



EMPLOYMENT AND EARNINGS

March 1983

U. S. Department of Labor
Bureau of Labor Statistics

In this issue:
1982 annual averages for all
national industry series





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

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

Employment and Earnings is prepared by the Division of Data Development and Users' Services and the Division of Monthly Industry Employment Statistics in collaboration with the Division of Special Publications. The data are collected by the Bureau of the Census (Department of Commerce), State Employment Security Agencies, and State Departments of Labor in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$39 domestic and \$48.75 foreign. Single copy \$6 domestic and \$7.50 foreign. Annual supplement \$7.50 domestic and \$9.40 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

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The Secretary of Labor has determined that publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through July 1, 1985. Second-class postage paid at Laurel, Md.

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ISSN 0013-6840

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	Jan., Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, poverty-nonpoverty area data, family relationship data, weekly earnings data	Jan., Apr., July, Oct.

Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees detail (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June ¹
Revised historical national data	Supplement ²
State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	June
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¹ Issue varies. Latest revised data introduced June 1982.

² Month of publication varies. The latest supplement was published in June 1982.

Employment and Earnings

Vo. 30 No. 3 March 1983

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Contents

	<i>Page</i>	
List of statistical tables	2	
Employment and unemployment developments, February 1983	4	
Comparison of nonagricultural employment estimates from two surveys	6	
 Statistical tables:		
Historical monthly and annual data for new series including the resident Armed Forces, by sex, 1950-82:		
Table 1. Not seasonally adjusted	10	
Table 2. Seasonally adjusted	21	
 Current data:		
Not seasonally adjusted—		
Household data	31	
Establishment data:		
Employment	66	
Hours and earnings	100	
State and area unemployment data	129	
 Seasonally adjusted—		
Household data	58	
Establishment data:		
Employment	82	
Hours and earnings	119	
Productivity	121	
 Revised seasonally adjusted real earnings series		135
Explanatory notes	136	

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1950 to date	29
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1972 to date	30
A- 3.	Employment status of the civilian noninstitutional population by age, sex, and race	31
A- 4.	Employment status of the black-and-other civilian noninstitutional population by sex and age	34
A- 5.	Employment status of the civilian noninstitutional population by race, sex, and age	35
A- 6.	Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race	36
A- 7.	Employment status of male Vietnam-era veterans and nonveterans by age	37
A- 8.	Full-and part-time status of the civilian labor force by sex, age, and race	38
A- 9.	Employment status of the civilian noninstitutional population by family relationship	39

Characteristics of the Unemployed

A-10.	Unemployed persons by marital status, race, age, and sex	40
A-11.	Unemployed persons by occupation and sex	41
A-12.	Unemployed persons by industry and sex	42
A-13.	Unemployed persons by reason for unemployment, sex, and race	43
A-14.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment	44
A-15.	Unemployed persons by duration of unemployment	44
A-16.	Unemployed persons by sex, age, marital status, and duration of unemployment	45
A-17.	Unemployed persons by occupation, industry, and duration of unemployment	46
A-18.	Unemployed jobseekers by sex, age, race, and jobsearch methods used	47
A-19.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used	48

Characteristics of the Employed

A-20.	Employed civilians in agriculture and nonagricultural industries by age and sex	49
A-21.	Employed civilians by occupation, sex, and age	50
A-22.	Employed civilians by occupation, race, and sex	51
A-23.	Employed civilians by age, sex, and class of worker	52
A-24.	Employed civilians by industry and occupation	53
A-25.	Employed civilians with a job but not at work by reason, sex, and pay status	53
A-26.	Persons at work by hours of work and type of industry	54
A-27.	Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status	54
A-28.	Persons at work in nonagricultural industries by class of worker and full- or part-time status	55
A-29.	Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status	56
A-30.	Persons at work in nonfarm occupations by sex and full- or part-time status	57

Seasonally Adjusted Employment and Unemployment Data

A-31.	Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted	58
A-32.	Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted	59
A-33.	Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally	60
A-34.	Employed civilians by selected social and economic categories, seasonally adjusted	61
A-35.	Employed civilians by sex and age, seasonally adjusted	62
A-36.	Unemployed persons by sex and age, seasonally adjusted	62
A-37.	Unemployment rates by sex and age, seasonally adjusted	63
A-38.	Selected unemployment indicators, seasonally adjusted	63
A-39.	Unemployed persons by duration of unemployment, seasonally adjusted	64
A-40.	Unemployed persons by reason for unemployment, seasonally adjusted	64

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1.	Employees on nonagricultural payrolls by industry division, 1932 to date	65
B- 2.	Employees on nonagricultural payrolls by industry	66
B- 3.	Women employees on nonagricultural payrolls by industry	75
B- 4.	Employees on nonagricultural payrolls by industry, seasonally adjusted	82
B- 5.	Women employees on nonagricultural payrolls by industry, seasonally adjusted	83
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	84
B- 7.	Indexes of diffusion: Percent of industries in which employment increased	85

Employment—State and Area

B- 8.	Employees on nonagricultural payrolls for States and selected areas by industry division	86
-------	--	----

Hours and Earnings—National

C- 1.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry division, 1962 to date	99
C- 2.	Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by industry	100
C- 3.	Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry	116
C- 4.	Gross average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and constant (1977) dollars	116
C- 5.	Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls	117
C- 6.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	119
C- 7.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	120
C- 8.	Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	121
C- 9.	Hours of wage and salary workers in nonagricultural establishments by industry division	121
C-10.	Indexes of output and compensation per hour, unit costs, and prices, business sector, seasonally adjusted	122
C-11.	Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, business sector, seasonally adjusted at annual rate	123

Hours and Earnings—State and Area

C-12.	Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas	124
-------	--	-----

MONTHLY STATE AND AREA UNEMPLOYMENT DATA

D- 1.	Labor force and unemployment by State and selected metropolitan areas	129
-------	---	-----

Employment and Unemployment Developments, February 1983

Unemployment was unchanged from January to February. The Nation's overall unemployment rate—which includes the resident Armed Forces in the labor force—remained at 10.2 percent in February. The unemployment rate for all civilian workers was 10.4 percent, also the same as in January.

Total employment was about unchanged in February at 100.7 million. Civilian employment—as measured by the monthly survey of households—held steady at 99.1 million, about the same level that has prevailed since last October.

Nonfarm payroll employment—as measured by the monthly survey of establishments—declined by 180,000 in February, following a substantial increase in January. The number of payroll jobs was 150,000 above the December level.

Unemployment

Both the number of unemployed persons and the unemployment rate held steady in February. After seasonal adjustment, 11.5 million persons were jobless and the civilian worker unemployment rate was 10.4 percent. Although still well above the July 1981 pre-recession low, the February rate remained 0.4 percentage point below its December 1982 high. (See table A-32.)

There was little over-the-month change in unemployment among the major labor force groups; an exception was an increase of 0.3 percentage point in the rate for adult men to 9.9 percent. Their rate had declined by 0.5 point in January and thus was slightly below the December 1982 level. Jobless rates for adult women (8.9 percent), teenagers (22.2 percent), whites (9.2 percent), and Hispanics (15.8 percent) were essentially unchanged, while the rate for blacks showed some improvement—from 20.8 to 19.7 percent. (See tables A-32 and A-33.)

The number of persons unemployed for 6 months or more, which had been rising steadily during the second half of 1982, was unchanged in February at 2.7 million. The median duration of unemployment declined to 9.6 weeks, while mean duration edged down to 19.0 weeks. (See table A-39.)

The number of unemployed persons who lost their last jobs, after declining sharply in January, was about

unchanged in February; the number on layoff decreased, but there was an increase among those who had permanently lost their jobs. (See table A-40.)

The number of workers employed on part-time schedules for economic reasons returned to close to the December 1982 level, after rising sharply in January. Three-fourths of this decline occurred among persons who could only find part-time jobs. (See table A-34.)

Civilian employment and the labor force

Both civilian employment and the labor force were unchanged in February. At 99.1 million, seasonally adjusted, civilian employment was about the same level for the fifth consecutive month. The civilian labor force, which had fallen by nearly 600,000 in January, remained at 110.6 million. Since February 1982, the civilian labor force has grown by 1.3 million. The adult labor force rose by 1.8 million over this period, as the teenage work force declined by half a million. (See table A-32.)

Industry payroll employment

Total nonagricultural payroll employment declined by 180,000 to 88.7 million in February, seasonally adjusted, following an increase of 330,000 in January. February declines were concentrated in construction and retail trade, the same industries in which the large January increases had occurred.

Manufacturing employment held about steady in February, following a small increase in January. Prior to January, factory employment had declined every month since July 1981 for a total loss of nearly 2.2 million jobs. The number of workers in transportation equipment manufacturing increased for the third consecutive month. There were also small employment gains in the rubber and electrical equipment industries. Machinery manufacturing continued to lose jobs, though at a slower pace.

Elsewhere, the number of jobs in finance, insurance, and real estate increased, while employment in services, government, and transportation and public utilities was unchanged from January. Services employment has shown little growth in recent months, although it has risen by 560,000 since the onset of the recession. (See table B-4.)

Hours of work

Data on the average workweek were marked by large movements for January and February. The average workweek of production or nonsupervisory workers on private nonfarm payrolls declined by 0.7 hour in February to 34.4 hours, seasonally adjusted, after rising 0.3 hour in the previous month. Unusual weather patterns over the past two winters affected these movements.

The manufacturing workweek completely reversed its January increase by declining 0.9 hour, but factory overtime edged up a tenth of an hour over the month. Within manufacturing, weekly hours decreased substantially in several industries which had increased markedly in January. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, which rose in January, was down 2.3 percent, seasonally adjusted, in February to 101.8 (1977 = 100). The manufacturing index, at 83.8, decreased 1.8 percent over the month but was up 0.8 percent from December. (See table C-7.)

Hourly and weekly earnings.

Average hourly earnings, at \$7.88, seasonally adjusted, were up 0.3 percent in February, but, as a result of the shorter workweek, average weekly earnings dropped by 1.7 percent. Before adjustment for seasonality, average hourly earnings of \$7.90 were the same as in January and 36 cents above a year earlier. Average weekly earnings fell \$3.16 over the month to \$270.18 but were \$7.79 higher than in February 1982. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 152.9 (1977 = 100) in February, seasonally adjusted, 0.1 percent higher than in January. For the 12 months ended in February, the increase (before seasonal adjustment) was 5.5 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.8 percent during the 12-month period ended in January. (See table C-8.)

New series including the resident Armed Forces

Effective with the publication of national household survey data for January 1983, BLS introduced several new series that include persons in the Armed Forces stationed in the United States. All of these series are available back to 1950. Historical monthly and annual data by sex are presented in tables 1 and 2 beginning on page 10.

Comparison of Nonagricultural Employment Estimates From Two Surveys

*John F. Stinson, Jr.

Each month, the Bureau of Labor Statistics analyzes and publishes two independently derived estimates of nonagricultural employment, based on data 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 about 60,000 households and measure the *work status of individuals*, whereas data from the establishment survey are derived from payroll records of approximately 180,000 establishments and are essentially a count of *occupied jobs*.

The levels of the employment estimates from the two surveys differ significantly, but their long-term movements have tended to be very similar. Differences do occur with respect to the magnitude and direction of month-to-month changes and to the behavior of the series, both over the course of business cycles and over short-run periods. Some of these differences arise for conceptual reasons—the series measure somewhat different phenomena (employed individuals versus occupied jobs); other differences stem from measurement or procedural variations; and still others from scope and coverage. Although conceptual differences between the series can be reconciled or explained in part and a number of the differences in the scope of the surveys can be understood, discrepancies which result from differences in sampling techniques, collection, and estimation methodology cannot be readily quantified in terms of their effect on the level or movements of the two series.

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.¹

Concepts and coverage

The household survey, although based on a smaller sample, is more comprehensive than the establishment

survey in that it covers all wage and salary workers 16 years and over, including private household workers, as well as self-employed and unpaid family workers. The household survey also includes persons who were "with a job but not at work" during the reference week for the survey, as a result of such factors as bad weather, illness, vacation, industrial disputes, or various personal reasons, whether or not they were paid for their time off.

In contrast, the establishment survey covers only *paid* wage and salary employees, excludes private household workers, but has no age limitation. Furthermore, employees who appear on more than one payroll are counted separately for each appearance. Such persons are counted only once in the household survey, in the job at which they worked the greatest number of hours.

Quantifiable differences

Table 1 reconciles, to the extent possible, the annual average levels of nonagricultural employment from the two surveys for 1980-82. The reconciliation technique involves a number of adjustments to the household survey estimate of total nonagricultural employment to bring it into as close agreement as possible with the concept of nonagricultural employment in the establishment survey. Thus, estimates for the following groups are *subtracted* from the household series—self-employed workers, unpaid family workers, private household workers, and workers on unpaid absences from their jobs during the reference week. Similarly, estimates of the number of employed 14- and 15-year-

¹ Prior analyses of the quantifiable differences between the two series have appeared in the March issues of this publication since 1978. For discussions of the conceptual and definitional differences between the two surveys, as well as long-term trends in their movements, see Gloria P. Green, "Comparing Employment Estimates From Household and Payroll Surveys," *Monthly Labor Review*, December 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 Joseph R. Antos, Anthony J. Barkume, J. Wilson Mixon, and Jack R. Triplett, "Why Employment Estimates Differ: A Study of Discrepancies Between BLS Household and Payroll Estimates," BLS Working Paper No. 65, October 1976; and Alexander Korns, "Cyclical Fluctuations in the Difference Between the Payroll and Household Measures of Employment," and "The Difference Between the Payroll and Household Measures 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.

* John F. Stinson, Jr., is an economist in the Division of Data Development and Users' Services, Bureau of Labor Statistics.

Table 1. Reconciliation of nonagricultural employment estimates from the household and establishment surveys, annual averages, 1980-82

(In thousands)

Item	1980	1981	1982	Change 1981-82
Payroll series, as published	<u>90,406</u>	<u>91,105</u>	<u>89,630</u>	<u>-1,475</u>
Household series, as published	<u>95,938</u>	<u>97,030</u>	<u>96,125</u>	<u>-905</u>
Less:				
Self-employed workers	7,000	7,097	7,262	165
Unpaid family workers	413	390	401	11
Private household workers	1,192	1,208	1,207	-1
Unpaid absentees	2,233	2,141	2,071	-70
Equals:				
Nonagricultural wage and salary workers less private household workers and unpaid absentees	85,100	86,194	85,184	-1,010
Plus:				
14- and 15-year-olds	611	535	443	-92
Agricultural service workers	380	385	411	26
Equals:				
Household series adjusted by above factors	<u>86,091</u>	<u>87,114</u>	<u>86,038</u>	<u>-1,076</u>
Difference:				
Payroll series less adjusted household series ¹	4,315	3,991	3,592	-399

¹ As discussed more fully in the text, several factors account for the remaining difference. One of the largest stems from multiple jobholding in the payroll series. Some idea of the size of this factor can be obtained from supplements to the household survey that used to be conducted

each May. The estimated number of persons holding a second nonagricultural wage and salary job was 3.0 million in May 1980, the last date for which these data are available.

olds in nonagricultural wage and salary jobs (excluding private households) and workers in agricultural services² are added to the household series.

After these adjustments were made to take account of the measurable differences in concepts and coverage, the establishment survey estimates exceeded those of the household survey by 4.3 million in 1980, 4.0 million in 1981, and 3.6 million in 1982. The remaining differences stem primarily from multiple counting in the payroll survey, undercounting of the population in both the decennial census and the household survey itself, and a number of other factors which cannot be quantified with any degree of certainty. Both surveys are also affected by sampling errors of various kinds.

Sources of unquantifiable differences

Workers in the establishment survey may be counted more than once because they may hold two or more jobs at the same time, or they may leave one job and obtain another one during the same reference period and thus appear on the payroll records of more than one employer. Additionally, multiple counting may result when a worker is continued on one firm's payroll, for example, while being compensated for earned vacation time, even though he or she has left the job and found another.

² Agricultural service workers are classified in agricultural industries in the household survey while, in the establishment survey, they are a subcategory 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 any persons under 14 who may be employed in nonagricultural industries are not collected in the household survey.

It is virtually impossible to determine the extent of multiple jobholding in the establishment survey without an independent verification such as the matching of payroll records and social security numbers. The multiple jobholding phenomenon has been measured to some degree in the household survey through special supplementary surveys that were conducted annually until 1980.³ In May 1980, the last time these data were collected, the number of persons 16 years and over who held second jobs as nonagricultural wage and salary workers totaled 3.0 million. Eliminating this and other types of dual counting, would, of course, substantially reduce the differential between the two series.

Several groups of workers who are outside the scope of the household survey but are counted on establishment payrolls also tend to increase the differences. These include institutionalized individuals working on payroll jobs in or outside the institution and foreign workers (such as residents of Canada or Mexico) who commute to jobs in the United States. Adjustments for these types of differences would further reduce the differences between the two series.

Another factor contributing to the gap between the series is population undercount in the decennial population censuses. These censuses provide the basis for the projection of current estimates of the population, which, in turn, serve as monthly population controls for the household survey sample. From January 1972 through December 1981, the household survey had used population controls based on the 1970 census, in which

³ As a result of budget cutbacks, the May supplementary surveys have been discontinued.

there was an estimated 2.5-percent undercount. Thus, the household survey employment estimates were understated and this contributed significantly to the gap between the two series. In the 1980 census, 5.5 million more persons were enumerated than had been expected, based on an updating of the population from the 1970 census date. As a consequence, when the 1980 census population controls were introduced into the household survey estimation procedures in January 1982, nonagricultural employment estimates were increased significantly. Differences between the payroll series and the household series (as adjusted to the payroll survey concept) were reduced by 1.8 million or about 30 percent in 1981. Household survey data were revised back to 1970 in order to maintain the historical comparability and continuity of the various series.⁴

Although the 1980 census appears to have achieved a greater coverage of the population than previous censuses, some undercounting has still undoubtedly occurred. While the extent of undercount in the 1980 census has not been estimated at this time,⁵ this factor should contribute less to the gap between the two surveys during the 1980's than it did in the previous decade. Establishment surveys, on the other hand, are presumed not to have an undercount, but they may have one as well, particularly associated with the so-called underground economy.

Sampling variability

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 differences arising from sampling can be expressed in terms of standard error. 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 from the results of a complete census by no more than 1.6 times the standard error. At this 90-percent level of confidence—the limits used by 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 460,000. (On an annual basis, the error is about 310,000.) As in any sample survey, the results are also

subject to errors of nonsampling, response, reporting, processing, and coverage.

In the establishment survey, sampling and response errors 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. Employment estimates are currently projected from March 1981 benchmark levels, which were introduced in the June 1982 issue of this publication.⁶ Approximations of the standard errors for the household survey data and measures of the reliability of the establishment survey data, including the actual amounts of revisions due to benchmark adjustments, are provided in the Explanatory Notes of this publication.

Cyclical variations

The shrinkage in the difference between the payroll and adjusted household series that occurred in both 1981 and 1982 was not unexpected, given the differences in cyclical behavior exhibited by the two series.⁷ In general, the payroll employment series tends to be more cyclically sensitive than the household series, declining more sharply in recessions and increasing more rapidly during periods of economic expansion. Consequently, the difference between the two series generally tends to lessen during labor market contractions, such as the one that began in mid-1981 and continued throughout 1982, and to increase during periods of labor market recovery and employment growth.

Reasons for the greater cyclical sensitivity of the payroll series are believed to include cyclical variations in multiple jobholding and in job changing. In recessions, some jobs normally held by dual jobholders are eliminated. To the extent that the workers previously holding such jobs continue to hold at least one job, there would not be any decline in employment as measured by the household survey. This same relationship exists with cyclical variations in job changing; that is, persons in the process of changing jobs would, in some cases, be counted at both the old and new jobs in

⁴ For a more complete discussion of the new population controls and their effect on reducing the payroll-household survey employment gap, see the version of this article that appeared in the March 1982 issue of *Employment and Earnings*.

⁵ For a discussion of issues concerning the undercount in the 1980 census, see Jeffrey S. Passel, Jacob S. Siegel, and J. Gregory Robinson, "Coverage of the National Population in the 1980 Census, by Age, Sex, and Race: Preliminary Estimates by Demographic Analysis," *Current Population Reports*, Series P-23, No. 115 (Bureau of the Census, February 1982).

⁶ See John B. Farrell, "BLS Establishment Estimates Revised to March 1981 Benchmarks," *Employment and Earnings*, June 1982, pp. 7-22.

⁷ For a comprehensive discussion of the differences in the cyclical behavior of the employment estimates from the two surveys, see Korns, "Cyclical Fluctuations in the Difference Between the Payroll and Household Measures of Employment."

the payroll survey. As labor markets tighten during recessions, the incidence of job changing is curtailed. This would lead to an apparent decline in the payroll survey employment total while having no effect on the household survey figure. Both of these phenomena contribute to the reduction of the gap between the two series observed during recessions, and both would be reversed during labor market expansions, leading to a widening once again of the difference between the series.

Another explanation of the two series' cyclical divergence is that some workers displaced from jobs with large employers during recessions may temporarily switch to wage and salary jobs with very marginal employers who are not well represented in the establish-

ment survey. Thus, while continuing to be counted in the household survey, these persons may not show up in the payroll figures. When the labor market improves and firms begin to rehire these workers, their rehiring would add to the payroll survey count but would not change household survey totals.

A somewhat more speculative explanation advanced for the cyclical variations between the two series is related to the population undercount discussed above. The reasoning is that cyclical employment changes in the household survey are dampened because the relative population undercount is greatest for those groups (males, especially minority males) that typically experience the largest cyclical swings in employment.

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Noninstitutional population, both sexes													
1950	105,730	105,820	106,088	106,006	108,059	106,137	106,228	106,323	106,341	106,376	106,444	106,436	106,164
1951	106,492	106,449	106,627	106,635	106,657	106,713	106,805	106,836	106,901	108,958	106,971	107,134	106,764
1952	107,206	107,257	107,320	107,391	107,459	107,569	107,641	107,730	107,817	107,898	108,003	108,093	107,617
1953	108,884	108,928	108,964	109,086	109,165	109,282	109,301	109,352	109,471	109,566	109,667	109,782	109,287
1954	109,915	109,977	110,077	110,190	110,288	110,362	110,449	110,580	110,721	110,887	110,997	111,105	110,463
1955	111,220	111,231	111,363	111,488	111,610	111,718	111,789	111,891	111,891	112,020	112,117	112,328	111,747
1956	112,413	112,465	112,547	112,617	112,778	112,846	112,952	112,050	113,182	113,297	113,405	113,473	112,919
1957	113,588	113,654	113,764	113,882	113,960	114,134	114,288	114,420	114,552	114,628	114,790	114,900	114,213
1958	114,996	115,055	115,180	115,274	115,388	115,495	115,562	115,661	115,847	115,980	116,145	116,291	115,574
1959	116,432	116,542	116,657	118,793	116,908	117,052	117,197	117,323	117,438	117,548	117,691	117,844	117,117
1960	118,473	118,551	118,694	118,781	118,877	119,021	119,120	119,280	119,394	119,510	119,712	119,881	119,106
1961	120,043	120,136	120,202	120,358	120,480	120,617	120,739	120,875	120,992	121,111	121,204	121,291	120,671
1962	121,416	121,491	121,589	121,819	121,889	122,039	122,222	122,413	122,661	122,836	122,989	123,200	122,214
1963	123,465	123,605	123,828	123,984	124,159	124,343	124,511	124,689	124,839	125,034	125,217	125,327	124,422
1964	125,590	125,710	125,862	126,030	126,248	126,393	126,567	126,758	126,950	127,123	127,301	127,508	126,503
1965	127,664	127,803	127,920	128,117	128,274	128,422	128,494	128,685	128,796	128,975	129,096	129,271	128,459
1966	129,410	129,526	129,652	129,799	129,955	130,080	130,258	130,387	130,585	130,713	130,874	130,940	130,180
1967	131,150	131,253	131,423	131,558	131,728	131,911	132,111	132,397	132,583	132,815	132,999	133,172	132,092
1968	133,331	133,513	133,635	133,783	133,959	134,135	134,339	134,542	134,744	134,891	135,145	135,343	134,281
1969	135,535	135,658	135,842	136,055	136,270	136,437	136,653	136,837	137,054	137,292	137,487	137,747	136,573
1970	137,964	138,160	138,371	138,587	138,802	139,028	139,284	139,542	139,787	140,038	140,302	140,579	139,203
1971	140,842	141,037	141,280	141,559	141,807	142,072	142,305	142,562	142,825	143,066	143,328	143,584	142,189
1972	144,638	144,869	145,079	145,302	145,548	145,806	146,058	146,303	146,563	146,791	147,034	147,274	145,939
1973	147,550	147,739	148,036	148,245	148,491	148,741	148,991	149,235	149,487	149,737	149,973	150,229	148,870
1974	150,494	150,723	150,964	151,214	151,471	151,718	151,954	152,209	152,483	152,721	152,968	153,201	151,841
1975	153,445	153,687	153,910	154,120	154,368	154,642	154,987	155,266	155,524	155,753	156,004	156,256	154,831
1976	156,505	156,726	156,971	157,193	157,429	157,689	157,945	158,199	158,458	158,671	158,916	159,108	157,818
1977	159,348	159,574	159,788	160,024	160,307	160,575	160,839	161,089	161,332	161,576	161,787	162,028	160,889
1978	162,253	162,472	162,676	162,894	163,143	163,410	163,662	163,891	164,138	164,419	164,650	164,893	163,541
1979	165,125	165,333	165,627	165,755	166,048	166,307	166,568	166,801	167,031	167,412	167,646	167,888	166,480
1980	168,115	168,337	168,564	168,775	168,998	169,236	169,536	169,722	169,924	170,133	170,330	170,520	169,349
1981	170,736	170,912	171,089	171,274	171,456	171,871	171,894	172,063	172,254	172,483	172,655	172,831	171,775
1982	172,991	173,153	173,338	173,512	173,691	173,854	174,038	174,200	174,380	174,549	174,718	174,864	173,939
Noninstitutional population, men													
1950	51,721	51,765	51,981	51,852	51,868	51,901	51,938	51,953	51,914	51,886	51,886	51,839	51,875
1951	51,847	51,761	51,878	51,841	51,816	51,823	51,861	51,836	51,847	51,846	51,802	51,909	51,839
1952	51,928	51,927	51,941	51,985	51,982	52,034	52,050	52,086	52,115	52,139	52,188	52,225	52,048
1953	52,810	52,805	52,800	52,882	52,911	52,956	52,944	52,944	53,003	53,041	53,089	53,159	52,945
1954	53,230	53,246	53,297	53,360	53,403	53,453	53,478	53,553	53,640	53,727	53,799	53,854	53,503
1955	53,921	53,906	53,961	54,042	54,093	54,140	54,147	54,191	54,264	54,309	54,335	54,403	54,142
1956	54,449	54,453	54,485	54,519	54,595	54,621	54,670	54,717	54,787	54,840	54,890	54,904	54,859
1957	54,963	54,980	55,024	55,078	55,097	55,190	55,272	55,336	55,405	55,412	55,513	55,566	55,236
1958	55,610	55,615	55,658	55,719	55,774	55,820	55,838	55,874	55,986	56,035	56,122	56,193	55,853
1959	56,261	56,303	56,349	58,413	56,452	56,524	56,591	56,647	56,690	56,730	56,806	56,889	56,554
1960	57,234	57,249	57,321	57,336	57,390	57,463	57,490	57,580	57,625	57,669	57,760	57,831	57,495
1961	57,907	57,939	57,944	58,023	58,076	58,141	58,190	58,255	58,303	58,349	58,373	58,395	58,158
1962	58,461	58,487	58,497	58,725	58,735	58,822	58,882	58,985	59,101	59,167	59,212	59,313	58,862
1963	59,478	59,522	59,636	59,700	59,784	59,865	59,931	60,020	60,081	60,175	60,264	60,352	59,900
1964	60,445	60,475	60,539	60,814	60,730	60,780	60,857	60,952	61,046	61,120	61,200	61,311	60,838
1965	61,382	61,430	61,452	61,563	61,629	61,681	61,729	61,821	61,835	61,918	61,951	62,033	61,702
1966	62,088	62,119	62,152	62,213	62,273	62,310	62,401	62,426	62,509	62,556	62,621	62,593	62,355
1967	62,707	62,721	62,795	62,837	62,907	62,982	63,071	63,229	63,305	63,433	63,518	63,591	63,091
1968	63,658	63,745	63,780	63,840	63,915	63,986	64,083	64,178	64,273	64,321	64,467	64,558	64,066
1969	64,650	64,690	64,767	64,876	64,967	65,032	65,120	65,198	65,311	65,429	65,517	65,668	65,102
1970	65,788	65,876	65,980	66,087	66,177	66,295	66,420	66,547	66,663	66,786	66,923	67,071	66,385
1971	67,208	67,293	67,406	67,559	67,682	67,824	67,931	68,067	68,198	68,308	68,448	68,578	67,875
1972	68,973	69,081	69,181	69,304	69,423	69,554	69,673	69,788	69,916	70,020	70,133	70,242	69,607
1973	70,390	70,461	70,626	70,714	70,830	70,953	71,069	71,188	71,312	71,430	71,540	71,694	71,017
1974	71,826	71,929	72,049	72,187	72,285	72,400	72,505	72,633	72,775	72,898	73,011	73,116	72,466
1975	73,236	73,344	73,445	73,543	73,658	73,791	73,946	74,091	74,240	74,349	74,469	74,588	73,891
1976	74,708	74,809	74,927	75,035	75,145	75,272	75,394	75,517	75,644	75,759	75,874	76,007	75,341
1977	76,119	76,224	76,323	76,435	76,570	76,700	76,826	76,946	77,068	77,185	77,284	77,395	76,756
1978	77,495	77,594	77,692	77,793	77,907	78,042	78,159	78,271	78,390	78,543	78,649	78,762	78,107
1979	78,871	78,967	79,108	79,171	79,307	79,430	79,559	79,675	79,783	79,969	80,076	80,192	79,509
1980	80,289	80,387	80,501	80,595	80,708	80,821	80,966	81,057	81,153	81,257	81,350	81,436	80,877
1981	81,531	81,613	81,698	81,781	81,868	81,974	82,080	82,160	82,249	82,352	82,446	82,528	82,023
1982	82,599	82,673	82,763	82,844	82,929	83,006	83,097	83,173	83,231	83,323	83,402	83,581	83,052

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Noninstitutional population, women													
1950	54,009	54,055	54,107	54,154	54,191	54,236	54,288	54,370	54,427	54,490	54,548	54,597	54,289
1951	54,645	54,688	54,749	54,794	54,841	54,890	54,946	55,000	55,054	55,112	55,169	55,225	54,926
1952	55,278	55,330	55,379	55,426	55,477	55,535	55,591	55,644	55,702	55,759	55,815	55,868	55,567
1953	56,075	56,123	56,164	56,204	56,254	56,308	56,357	56,410	56,468	56,525	56,578	56,623	56,341
1954	56,685	56,731	56,780	56,830	56,885	56,929	56,971	57,027	57,081	57,140	57,198	57,251	56,958
1955	57,299	57,325	57,402	57,446	57,517	57,578	57,641	57,700	57,756	57,808	57,863	57,925	57,605
1956	57,964	58,012	58,062	58,098	58,183	58,225	58,282	58,333	58,395	58,457	58,515	58,569	58,256
1957	58,625	58,674	58,740	58,806	58,863	58,944	59,016	59,084	59,147	59,216	59,277	59,334	58,978
1958	59,386	59,440	59,502	59,555	59,614	59,675	59,724	59,787	59,861	59,945	60,023	60,098	59,717
1959	60,171	60,239	60,308	60,380	60,456	60,528	60,606	60,676	60,748	60,818	60,885	60,955	60,561
1960	61,240	61,302	61,373	61,426	61,488	61,558	61,630	61,700	61,769	61,841	61,952	62,049	61,610
1961	62,135	62,197	62,258	62,334	62,405	62,476	62,548	62,620	62,689	62,762	62,831	62,896	62,513
1962	62,955	63,024	63,092	63,094	63,153	63,217	63,340	63,448	63,560	63,669	63,777	63,887	63,500
1963	63,987	64,084	64,192	64,284	64,375	64,478	64,580	64,688	64,758	64,859	64,953	65,046	64,521
1964	65,145	65,235	65,323	65,415	65,517	65,613	65,710	65,806	65,904	66,003	66,101	66,197	65,664
1965	66,282	66,373	66,468	66,554	66,645	66,741	66,765	66,864	66,960	67,057	67,145	67,239	67,255
1966	67,322	67,407	67,499	67,586	67,681	67,770	67,858	67,960	68,056	68,157	68,253	68,347	67,828
1967	68,443	68,531	68,628	68,721	68,821	68,929	69,040	69,168	69,278	69,381	69,482	69,581	69,000
1968	69,873	69,768	69,855	69,943	70,045	70,149	70,256	70,364	70,470	70,570	70,679	70,785	70,213
1969	70,885	70,966	71,074	71,180	71,303	71,405	71,534	71,639	71,743	71,863	71,970	72,079	71,470
1970	72,176	72,284	72,391	72,500	72,625	72,733	72,864	72,996	73,123	73,252	73,380	73,508	72,819
1971	73,634	73,743	73,873	73,999	74,125	74,249	74,374	74,494	74,626	74,757	74,880	75,006	74,313
1972	75,663	75,787	75,897	75,998	76,123	76,252	76,385	76,515	76,647	76,771	76,901	77,032	76,331
1973	77,160	77,278	77,410	77,529	77,662	77,787	77,922	78,048	78,175	78,306	78,433	78,533	77,853
1974	78,669	78,793	78,915	79,048	79,187	79,317	79,450	79,576	79,688	79,823	79,956	80,085	79,375
1975	80,209	80,343	80,464	80,577	80,710	80,850	81,041	81,174	81,283	81,405	81,536	81,671	80,938
1976	81,797	81,916	82,043	82,157	82,284	82,416	82,551	82,682	82,814	82,912	83,043	83,102	82,476
1977	83,228	83,349	83,465	83,589	83,735	83,875	84,013	84,143	84,264	84,391	84,505	84,633	83,932
1978	84,759	84,878	84,984	85,101	85,235	85,366	85,503	85,621	85,747	85,877	86,001	86,131	85,434
1979	86,253	86,367	86,518	86,584	86,740	86,876	87,009	87,126	87,248	87,443	87,571	87,696	86,951
1980	87,826	87,950	88,062	88,179	88,289	88,416	88,568	88,665	88,771	88,877	88,980	89,084	88,472
1981	89,204	89,298	89,391	89,493	89,588	89,697	89,814	89,903	90,005	90,111	90,209	90,303	89,751
1982	90,392	90,480	90,576	90,668	90,762	90,848	90,941	91,027	91,129	91,226	91,318	91,283	90,887
Labor force, both sexes													
1950	61,948	62,071	62,290	62,540	63,027	64,581	64,187	64,602	63,807	64,043	64,134	63,325	63,377
1951	62,463	62,485	63,687	63,238	64,155	64,730	65,341	65,234	64,607	64,928	64,685	64,372	64,160
1952	63,486	63,563	63,374	63,553	64,495	65,471	65,255	65,174	65,271	64,779	65,285	64,574	64,524
1953	64,556	64,485	64,922	64,781	64,852	66,182	66,183	66,003	65,386	65,662	65,482	64,589	65,246
1954	64,358	65,139	65,246	65,493	65,782	66,293	66,307	66,468	66,560	66,338	66,215	65,212	65,785
1955	65,184	65,058	65,256	68,134	66,536	67,499	68,156	68,421	68,057	68,454	68,397	67,901	67,087
1956	67,138	66,852	67,232	67,679	68,812	69,829	69,857	69,503	69,064	69,127	68,882	68,226	68,517
1957	67,142	67,540	67,896	68,088	68,777	70,220	70,540	69,534	69,270	69,495	69,172	68,817	68,877
1958	67,830	68,202	68,545	69,039	69,784	70,723	70,743	70,451	69,694	70,072	69,537	69,196	69,486
1959	68,580	68,543	69,197	69,606	70,127	71,469	71,566	71,012	70,379	70,872	70,288	70,252	70,157
1960	69,373	69,606	69,638	70,908	71,566	73,314	72,962	72,564	72,080	71,967	72,244	71,637	71,489
1961	71,020	71,409	71,967	71,697	72,344	74,314	73,722	73,337	71,955	72,558	72,340	71,649	72,359
1962	70,952	71,484	71,857	71,937	72,734	74,167	73,772	74,028	73,084	73,064	72,716	72,309	72,675
1963	71,797	72,361	72,775	73,231	73,930	75,389	75,355	74,829	74,055	74,378	74,354	73,616	73,839
1964	73,016	73,661	73,925	74,789	75,522	78,908	76,514	76,254	75,141	75,360	75,220	74,992	75,109
1965	74,194	74,855	75,019	75,674	76,466	78,258	78,443	77,789	76,140	76,753	76,637	76,582	76,401
1966	75,628	75,812	76,106	76,851	77,488	79,726	79,861	79,633	77,957	78,428	78,821	78,465	77,892
1967	77,561	77,910	77,747	78,323	78,309	81,210	81,662	81,322	79,718	80,365	80,366	80,293	79,565
1968	78,565	79,837	79,669	79,864	80,482	83,151	83,251	82,494	80,844	81,149	81,428	81,340	80,990
1969	80,443	81,294	81,470	81,853	81,808	84,581	85,036	84,756	83,264	83,791	83,675	83,674	82,972
1970	82,970	83,486	83,881	84,131	83,874	86,187	86,945	86,278	84,711	85,338	85,516	85,351	84,889
1971	84,865	84,901	84,861	85,109	85,325	87,210	88,258	87,950	86,412	86,894	87,309	87,173	86,355
1972	86,840	87,032	87,644	87,578	87,816	90,313	90,900	90,675	89,044	89,544	89,371	89,421	88,847
1973	88,157	89,099	89,767	89,913	90,010	92,884	93,413	92,652	91,538	92,304	92,444	92,270	91,203
1974	91,665	92,014	92,225	92,102	92,551	95,187	95,944	95,162	94,159	94,621	94,350	94,075	93,670
1975	93,890	93,669	94,157	94,138	94,552	96,840	97,731	97,211	95,699	96,181	95,707	95,684	95,453
1976	95,590	95,735	96,065	96,446	98,589	99,161	100,274	99,807	98,109	98,677	98,797	98,674	97,826
1977	97,857	98,498	98,934	99,005	99,405	102,389	102,614	102,403	101,025	101,805	102,180	101,864	100,665
1978	101,300	101,282	101,804	102,241	102,717	105,625	106,140	105,578	104,384	105,110	105,219	105,186	103,882
1979	104,411	104,792	105,206	104,791	105,065	107,796	108,694	108,092	107,110	107,683	107,466	107,628	106,559
1980	106,915	106,990	107,090	107,170	107,824	109,904	110,872	110,023	108,616	109,303	109,167	108,646	108,544
1981	108,517	108,647	109,270	109,539	110,213	111,533	112,390	111,763	109,934	110,898	110,838	110,239	110,315
1982	109,670	109,988	110,432	110,482	111,579	113,233	114,200	113,576	112,216	112,435	112,515	112,142	111,872

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Labor force, men													
1950	44,366	44,378	44,626	44,637	44,764	45,519	45,816	45,927	45,229	44,936	44,898	44,551	44,969
1951	44,186	44,222	44,858	44,756	45,045	45,638	45,929	46,058	45,349	45,254	45,080	44,989	45,113
1952	44,712	44,755	44,789	44,903	45,166	45,924	48,112	45,910	45,267	45,012	45,016	45,038	45,217
1953	45,332	45,365	45,566	45,629	45,691	46,445	46,670	46,603	45,737	45,603	45,816	45,482	45,828
1954	45,480	45,742	45,651	45,931	45,961	46,542	46,839	46,925	46,291	45,971	45,943	45,573	46,073
1955	45,676	45,555	45,795	46,116	46,290	46,994	47,429	47,353	46,733	46,778	46,818	46,566	46,508
1956	46,479	46,344	46,531	46,679	47,063	47,961	48,009	47,856	47,015	46,899	46,914	46,579	47,027
1957	46,230	46,331	46,606	46,792	47,044	48,232	48,347	47,877	47,183	47,031	46,943	46,764	47,118
1958	46,514	46,613	46,807	47,034	47,368	48,206	48,455	48,166	47,361	47,398	47,150	46,995	47,341
1959	46,802	46,823	47,059	47,314	47,456	48,514	48,661	48,495	47,733	47,670	47,472	47,562	47,647
1960	47,369	47,372	47,344	47,696	48,075	49,306	49,285	49,174	48,300	48,196	48,302	48,036	48,221
1961	47,954	47,941	48,069	48,102	48,366	49,736	49,678	49,524	48,300	48,290	48,295	48,023	48,525
1962	47,654	47,963	48,117	48,212	48,668	49,811	49,711	48,697	48,545	48,315	48,168	48,631	48,831
1963	48,050	48,226	48,434	48,667	48,939	50,261	50,510	50,228	49,184	49,023	49,032	48,724	49,108
1964	48,543	48,696	48,820	49,270	49,734	50,924	51,148	50,847	49,760	49,576	49,429	49,285	49,870
1965	49,045	49,358	49,356	49,817	50,335	51,486	51,946	51,520	49,888	49,948	49,991	49,699	50,175
1966	49,355	49,445	49,659	50,091	50,317	52,062	52,409	52,113	50,390	50,360	50,355	50,196	50,564
1967	50,000	50,138	50,170	50,450	50,618	52,827	53,052	52,851	51,078	51,147	51,018	50,922	51,173
1968	50,362	50,835	50,858	51,134	51,363	53,367	53,726	53,415	51,590	51,493	51,407	51,473	51,752
1969	51,102	51,394	51,538	51,786	51,866	53,708	54,226	54,021	52,539	52,412	52,281	52,225	52,425
1970	52,093	52,346	52,818	52,803	52,898	54,605	55,118	54,630	53,148	53,090	53,143	53,212	53,309
1971	53,041	53,004	53,057	53,457	53,663	55,242	56,064	55,679	54,007	54,005	54,093	54,048	54,113
1972	54,005	54,095	54,499	54,550	54,685	56,723	57,177	56,953	55,379	55,380	55,222	55,268	55,327
1973	54,692	55,029	55,555	55,612	55,850	57,726	58,325	57,663	56,354	56,598	56,487	56,491	56,349
1974	56,458	56,449	56,493	56,518	56,856	58,743	59,091	58,718	57,460	57,560	57,306	57,113	57,397
1975	56,976	56,955	57,143	57,222	57,496	59,172	59,884	59,342	57,846	57,790	57,537	57,431	57,899
1976	57,479	57,486	57,633	58,066	58,180	59,923	60,701	60,284	58,750	58,917	58,830	58,828	58,756
1977	58,492	58,778	58,845	58,962	59,303	61,398	61,772	61,438	59,751	60,288	60,275	60,208	59,959
1978	59,892	59,802	60,021	60,231	60,587	62,560	63,009	62,595	61,036	61,350	61,366	61,346	61,151
1979	61,145	61,178	61,316	61,289	61,533	63,508	64,154	63,528	62,333	62,346	62,119	62,154	62,215
1980	61,904	61,959	62,108	62,133	62,871	64,237	64,920	64,190	62,738	62,967	62,799	62,564	62,932
1981	62,587	62,511	62,910	63,045	63,495	64,544	65,178	64,705	63,188	63,329	63,216	63,148	63,486
1982	62,937	62,980	63,270	63,302	63,962	65,099	65,633	65,135	63,822	63,899	63,883	63,617	63,979
Labor force, women													
1950	17,582	17,693	17,664	17,903	18,263	19,062	18,371	18,875	18,578	19,107	19,236	16,774	18,408
1951	18,277	18,263	18,829	18,482	19,110	19,092	19,414	19,176	19,258	19,674	19,605	19,383	19,047
1952	18,774	18,908	18,585	18,650	19,329	19,547	19,143	19,264	20,004	19,767	20,269	19,538	19,307
1953	19,224	19,120	19,356	19,152	19,181	19,737	19,493	19,400	19,829	19,957	19,666	19,107	19,418
1954	18,878	19,397	19,595	19,562	19,801	19,751	19,468	19,543	20,289	20,367	20,272	19,639	19,711
1955	19,506	19,503	19,461	20,018	20,246	20,505	20,726	21,066	21,324	21,676	21,579	21,335	20,579
1956	20,659	20,508	20,701	21,000	21,749	21,868	21,848	21,647	22,049	22,226	21,968	21,647	21,469
1957	20,912	21,209	21,288	21,296	21,733	21,988	22,193	21,657	22,087	22,464	22,229	22,053	21,759
1958	21,316	21,589	21,738	22,005	22,416	22,517	22,288	22,265	22,333	22,674	22,367	22,201	22,145
1959	21,776	21,720	22,136	22,292	22,671	22,955	22,705	22,517	22,646	23,202	22,616	22,690	22,510
1960	22,005	22,234	22,294	23,013	23,492	24,008	23,677	23,390	23,760	23,771	23,942	23,600	23,266
1961	23,065	23,488	23,698	23,596	23,959	24,578	24,043	23,813	23,655	24,268	24,045	23,828	23,835
1962	23,298	23,521	23,740	23,725	24,085	24,358	24,061	24,311	24,387	24,519	24,401	24,141	24,043
1963	23,747	24,138	24,341	24,564	24,991	25,108	24,645	24,800	24,871	25,355	25,322	24,893	24,731
1964	24,473	24,965	25,105	25,518	25,789	25,984	25,366	25,407	25,381	25,764	25,791	25,707	25,439
1965	25,149	25,497	25,661	25,857	26,131	26,770	26,497	26,289	26,253	26,807	26,948	26,864	26,227
1966	26,273	26,367	26,446	26,760	27,170	27,644	27,453	27,519	27,567	28,066	28,466	28,269	27,329
1967	27,561	27,773	27,577	27,873	27,891	28,563	28,610	28,471	28,640	29,217	29,349	29,371	28,362
1968	26,203	26,802	26,811	26,730	29,120	29,764	29,525	29,079	29,253	29,658	30,020	29,867	29,238
1969	29,341	29,900	29,932	30,068	29,942	30,873	30,811	30,735	30,725	31,379	31,394	31,449	30,547
1970	30,877	31,138	31,263	31,328	30,977	31,583	31,829	31,648	31,562	32,247	32,374	32,138	31,580
1971	31,824	31,897	31,804	31,852	31,862	31,969	32,194	32,270	32,408	32,887	33,215	33,126	32,241
1972	32,835	32,937	33,145	33,028	33,130	33,591	33,723	33,722	33,866	34,164	34,149	34,155	33,520
1973	33,466	34,070	34,212	34,300	34,361	35,158	35,088	34,989	35,185	35,708	35,956	35,778	34,653
1974	35,207	35,564	35,731	35,588	35,693	36,444	36,853	36,444	36,699	37,061	37,044	36,962	36,274
1975	36,912	36,715	37,015	36,914	37,056	37,869	37,846	37,869	37,852	38,390	38,170	38,233	37,553
1976	36,110	36,249	36,431	36,380	36,409	39,236	39,573	39,523	39,359	39,759	39,967	39,847	39,069
1977	39,365	39,720	40,089	40,042	40,103	40,991	40,842	40,985	41,272	41,517	41,905	41,658	40,705
1978	41,418	41,479	41,784	42,009	42,130	43,048	43,131	42,983	43,347	43,761	43,833	43,840	42,731
1979	43,268	43,618	43,890	43,502	43,532	44,288	44,540	44,586	44,777	45,336	45,347	45,475	44,343
1980	45,011	45,031	44,982	45,037	45,153	45,667	45,952	45,834	45,878	46,336	46,368	46,082	45,611
1981	45,930	46,138	46,360	46,494	46,718	46,989	47,214	47,058	46,765	47,569	47,621	47,093	46,829
1982	46,733	47,008	47,182	47,180	47,617	48,133	48,567	48,440	46,394	46,536	46,832	46,325	47,894

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Labor force participation rate, both sexes													
1950	58.6	58.7	58.7	59.0	59.4	60.8	60.4	60.8	60.0	60.2	60.3	59.5	59.7
1951	58.7	58.7	59.7	59.3	60.2	60.7	61.2	61.1	60.4	60.7	60.5	60.1	60.1
1952	59.2	59.3	59.1	59.2	60.0	60.9	60.8	60.5	60.5	60.0	60.4	59.7	60.0
1953	59.3	59.2	59.6	59.4	59.4	60.8	60.5	60.4	59.7	59.8	59.7	58.8	59.7
1954	58.6	59.2	59.3	59.4	59.6	60.1	60.0	60.1	60.1	59.8	59.7	58.7	59.8
1955	58.6	58.5	58.6	59.3	59.6	60.4	61.0	61.1	60.8	61.1	61.0	60.4	60.0
1956	59.7	59.4	59.7	60.1	61.0	61.9	61.8	62.0	61.0	61.0	60.7	60.1	60.7
1957	59.1	59.4	59.7	59.8	60.4	61.5	61.7	60.8	60.5	60.8	60.3	59.9	60.3
1958	59.0	59.3	59.5	59.9	60.5	61.2	61.2	60.9	60.2	60.4	59.9	59.5	60.1
1959	58.9	58.8	59.3	59.6	60.0	61.1	61.1	60.5	59.9	60.3	59.7	59.6	59.9
1960	58.6	58.7	58.7	59.7	60.2	61.6	61.3	60.8	60.4	60.2	60.3	59.8	60.0
1961	59.2	59.4	59.9	59.6	60.0	61.6	61.1	60.7	59.5	59.9	59.7	59.1	60.0
1962	58.4	58.8	59.1	59.1	59.7	60.8	60.4	60.5	59.6	59.5	59.1	56.7	59.5
1963	58.2	58.5	58.8	59.1	59.5	60.6	60.5	60.0	59.3	59.5	59.4	58.7	59.3
1964	58.1	58.6	58.7	59.3	59.8	60.8	60.5	60.2	59.2	59.3	59.1	58.8	59.4
1965	58.1	58.6	58.6	59.1	59.8	60.9	61.0	60.4	59.1	59.5	59.4	59.2	59.5
1966	58.4	58.5	58.7	59.2	59.6	61.3	61.3	61.1	59.7	60.0	60.2	59.9	59.6
1967	59.1	59.4	59.2	59.5	59.4	61.8	61.8	61.4	60.1	60.5	60.4	60.3	60.2
1968	58.9	59.8	59.6	59.7	60.1	62.0	62.0	61.3	60.0	60.2	60.3	60.1	60.3
1969	59.4	59.9	60.0	60.2	60.0	62.0	62.2	61.9	60.8	61.0	60.9	60.7	60.8
1970	60.1	60.4	60.6	60.7	60.4	62.0	62.4	61.8	60.6	60.9	61.0	60.7	61.0
1971	60.3	60.2	60.1	60.1	60.2	61.4	62.0	61.7	60.5	60.7	60.9	60.7	60.7
1972	60.0	60.1	60.4	60.3	60.3	61.9	62.2	62.0	60.8	61.0	60.8	60.7	60.9
1973	59.7	60.3	60.6	60.7	60.6	62.4	62.7	62.1	61.2	61.6	61.6	61.4	61.3
1974	60.9	61.0	61.1	60.9	61.1	62.7	63.1	62.5	61.8	62.0	61.7	61.4	61.7
1975	61.2	60.9	61.2	61.1	61.3	62.6	63.1	62.6	61.5	61.8	61.3	61.2	61.6
1976	61.1	61.1	61.2	61.4	61.4	62.9	63.5	63.1	61.9	62.2	62.2	62.0	62.0
1977	61.4	61.7	61.9	61.9	62.0	63.8	63.8	63.6	62.6	63.0	63.2	62.9	62.6
1978	62.4	62.3	62.6	62.8	63.0	64.6	64.9	64.4	63.6	63.9	63.9	63.6	63.5
1979	63.2	63.4	63.5	63.2	63.3	64.8	65.3	64.8	64.1	64.3	64.1	64.1	64.0
1980	63.6	63.6	63.5	63.5	63.8	64.9	65.4	64.8	63.9	64.2	64.1	63.7	64.1
1981	63.8	63.8	63.9	64.0	64.3	65.0	65.4	65.0	63.8	64.3	64.2	63.8	64.2
1982	63.4	63.5	63.7	63.7	64.2	65.1	65.6	65.2	64.4	64.4	64.4	64.1	64.3
Labor force participation rate, men													
1950	65.8	65.7	65.9	66.1	66.3	67.7	68.2	68.4	67.1	66.6	66.5	65.9	66.7
1951	65.2	65.4	66.5	66.3	66.9	68.1	68.8	68.9	67.5	67.3	67.0	66.7	67.0
1952	66.1	66.2	66.2	66.4	66.9	68.3	68.6	68.1	66.9	66.3	66.3	66.2	66.9
1953	65.6	65.9	66.3	66.3	66.4	67.7	68.1	68.0	66.3	66.0	66.3	65.6	66.6
1954	65.4	65.9	65.7	66.1	66.1	67.1	67.6	67.6	66.3	65.6	65.4	64.6	66.1
1955	64.7	64.5	64.9	65.3	65.6	66.8	67.6	67.4	66.1	66.1	66.2	65.6	65.9
1956	65.4	65.1	65.4	65.6	66.2	67.8	67.8	67.5	65.8	65.5	65.5	64.8	66.0
1957	64.1	64.3	64.7	65.0	65.4	67.4	67.5	66.5	65.2	64.9	64.6	64.2	65.3
1958	63.8	63.8	64.1	64.4	64.9	66.4	66.8	66.2	64.8	64.6	64.0	63.6	64.8
1959	63.2	63.2	63.5	63.9	64.1	65.8	66.3	65.6	64.2	64.0	63.6	63.6	64.3
1960	62.8	62.7	62.6	63.5	63.8	65.8	65.7	65.4	63.8	63.6	63.6	63.1	63.9
1961	62.8	62.7	63.0	62.9	63.3	65.5	65.4	65.0	62.8	62.8	62.7	62.2	63.4
1962	61.5	62.0	62.3	62.1	62.9	64.7	64.4	64.3	62.4	62.0	61.6	61.2	62.6
1963	60.8	61.0	61.2	61.5	61.9	64.0	64.3	63.7	61.9	61.5	61.4	60.7	62.0
1964	60.3	60.5	60.6	61.3	61.9	63.8	64.0	63.4	61.5	61.1	60.8	60.4	61.6
1965	79.9	80.3	80.3	80.9	81.7	83.5	84.2	83.3	80.7	80.7	80.2	80.1	81.3
1966	79.5	79.8	79.9	80.5	80.8	83.6	84.0	83.5	80.6	80.5	80.4	80.2	81.1
1967	79.7	79.9	79.9	80.3	80.5	83.8	84.1	83.6	80.7	80.6	80.3	80.1	81.1
1968	79.1	79.7	79.7	80.1	80.4	83.4	83.8	83.2	80.3	80.1	79.7	79.7	80.8
1969	79.0	79.4	79.6	79.8	79.8	82.8	83.3	82.9	80.4	80.1	79.8	79.5	80.5
1970	79.2	79.5	79.7	79.9	79.9	82.4	83.0	82.1	79.7	79.5	79.4	79.3	80.3
1971	78.9	78.8	78.7	79.1	79.3	81.4	82.5	81.8	79.2	79.1	79.0	78.8	79.7
1972	78.3	78.3	78.8	78.7	78.8	81.8	82.1	81.6	79.2	79.1	78.7	78.7	79.5
1973	77.7	78.1	78.7	78.8	78.8	81.4	82.1	81.0	79.0	79.2	79.0	78.8	79.3
1974	78.6	78.5	78.4	78.3	78.7	81.1	81.5	80.8	79.0	79.0	78.5	78.1	79.2
1975	77.8	77.7	77.8	77.8	78.1	80.2	81.0	80.1	77.9	77.7	77.3	77.0	78.4
1976	76.9	76.8	76.9	77.4	77.4	79.6	80.5	79.8	77.7	77.8	77.5	77.4	78.0
1977	76.8	77.1	77.1	77.1	77.4	80.1	80.4	79.8	77.5	78.1	78.0	77.8	78.1
1978	77.3	77.1	77.3	77.4	77.8	80.2	80.6	80.0	77.9	78.1	78.0	77.9	78.3
1979	77.5	77.5	77.5	77.4	77.6	80.0	80.8	79.7	78.1	78.0	77.6	77.5	78.2
1980	77.1	77.1	77.2	77.1	77.7	79.5	80.2	79.2	77.3	77.5	77.2	76.8	77.8
1981	76.8	76.8	77.0	77.1	77.8	78.7	79.4	78.8	76.8	76.9	76.7	76.5	77.4
1982	76.2	76.2	76.4	76.4	77.1	78.4	79.0	78.3	76.7	76.7	76.8	76.4	77.0

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Labor force participation rate, women													
1950	32.6	32.7	32.6	33.1	33.7	35.1	33.6	34.3	34.1	35.1	35.3	34.4	33.9
1951	33.4	33.4	34.4	33.7	34.8	34.8	35.3	34.9	35.0	35.5	35.5	35.1	34.7
1952	34.0	34.0	33.6	33.6	34.8	35.2	34.4	34.8	35.9	35.5	36.3	35.0	34.7
1953	34.3	34.1	34.5	34.1	34.1	35.1	34.6	34.4	34.8	35.3	34.8	33.7	34.5
1954	33.3	34.2	34.5	34.4	34.6	34.7	34.2	34.3	35.5	35.6	35.4	34.3	34.6
1955	34.0	34.0	33.9	34.8	35.2	35.6	36.0	36.5	36.9	37.5	37.3	36.8	35.7
1956	35.6	35.4	35.7	36.1	37.4	37.6	37.5	37.1	37.8	38.0	37.5	37.0	36.9
1957	35.7	36.1	36.2	36.2	36.9	37.3	37.6	36.7	37.3	37.9	37.5	37.2	36.9
1958	35.9	36.3	38.5	36.9	37.6	37.7	37.3	37.2	37.3	37.8	37.3	36.9	37.1
1959	36.2	36.1	38.7	36.9	37.5	37.9	37.5	37.1	37.3	38.1	37.5	37.2	37.2
1960	35.9	36.3	36.3	37.5	38.2	39.0	38.4	37.9	38.5	38.4	38.6	38.0	37.8
1961	37.1	37.7	38.4	37.9	38.4	39.3	38.4	38.0	37.7	38.7	38.3	37.6	38.1
1962	37.0	37.3	37.6	37.6	38.1	38.5	38.0	38.3	38.4	38.5	38.3	37.8	38.0
1963	37.1	37.7	37.9	38.2	38.8	38.9	38.5	38.0	38.4	39.1	39.0	38.3	38.3
1964	37.6	38.3	38.4	39.0	39.4	39.6	38.8	38.6	38.5	39.1	39.0	38.8	38.7
1965	37.9	38.4	38.8	38.9	39.2	40.1	39.7	39.3	39.2	40.0	40.1	40.0	39.3
1966	39.0	39.1	39.2	39.6	40.1	40.8	40.5	40.5	40.5	41.2	41.7	41.4	40.3
1967	40.3	40.5	40.2	40.6	40.2	41.5	41.4	41.2	41.3	42.1	42.2	42.2	41.1
1968	40.5	41.3	41.2	41.1	41.6	42.5	42.0	41.3	41.5	42.0	42.5	42.2	41.6
1969	41.4	42.1	42.1	42.2	42.0	43.2	43.1	42.9	42.8	43.7	43.6	43.6	42.7
1970	42.8	43.1	43.2	43.2	42.7	43.4	43.7	43.4	43.2	44.0	44.1	43.7	43.4
1971	43.2	43.3	43.1	42.8	42.7	43.1	43.3	43.3	43.4	44.0	44.4	44.2	43.4
1972	43.4	43.5	43.7	43.5	43.5	44.1	44.1	44.1	43.9	44.5	44.4	44.3	43.9
1973	43.4	44.1	44.2	44.2	44.2	45.2	45.0	44.8	45.0	45.6	45.6	45.6	44.8
1974	44.8	45.1	45.3	45.0	45.1	45.9	46.4	45.8	46.1	46.4	46.3	46.2	45.7
1975	46.0	45.7	46.0	45.8	45.9	46.6	46.7	46.7	46.6	47.2	46.8	46.8	46.4
1976	46.6	46.7	46.8	46.7	46.7	47.6	47.9	47.6	47.5	48.0	48.1	47.9	47.4
1977	47.3	47.7	48.0	47.9	47.9	48.9	48.6	48.7	49.0	49.2	49.6	49.2	48.5
1978	48.9	48.9	49.2	49.4	49.4	50.4	50.4	50.2	50.6	51.0	51.0	50.9	50.0
1979	50.2	50.5	50.7	50.2	50.2	51.0	51.2	51.2	51.3	51.8	51.8	51.9	51.0
1980	51.3	51.2	51.1	51.1	51.1	51.7	51.9	51.7	51.7	52.1	52.1	51.7	51.6
1981	51.5	51.7	51.9	52.0	52.1	52.4	52.6	52.3	52.0	52.8	52.8	52.1	52.2
1982	51.7	52.0	52.1	52.0	52.5	53.0	53.4	53.2	53.1	53.2	53.3	52.9	52.7
Total employment, both sexes													
1950	57,300	57,280	57,977	58,875	59,764	61,030	60,871	61,989	61,317	61,988	61,778	60,916	60,087
1951	59,814	59,947	61,364	61,300	62,385	62,598	63,289	63,428	62,721	63,174	62,695	62,576	62,104
1952	61,228	61,223	61,372	61,717	62,713	63,439	63,170	63,256	63,543	63,299	63,691	63,029	62,636
1953	62,424	62,521	63,094	63,017	63,316	64,450	64,453	64,491	63,747	63,986	63,465	61,955	63,410
1954	60,797	61,156	61,209	61,647	62,124	62,612	62,628	62,998	63,127	63,409	63,100	62,203	62,251
1955	61,515	61,489	61,959	62,972	63,846	64,606	65,494	65,885	65,719	66,170	65,861	65,300	64,234
1956	64,072	63,760	64,137	64,969	66,013	66,650	66,873	67,036	66,791	67,036	66,283	65,566	65,764
1957	63,936	64,455	65,074	65,461	66,142	67,089	67,697	67,008	66,767	67,030	66,045	65,485	66,019
1958	63,366	63,086	63,390	63,975	64,952	65,500	65,645	65,644	65,636	66,322	65,752	65,128	64,883
1959	63,902	63,645	64,699	66,048	66,800	67,689	67,961	67,665	67,184	67,641	66,652	66,731	66,416
1960	65,254	65,720	65,474	67,301	68,166	69,142	69,078	68,853	68,765	68,430	68,277	67,167	67,639
1961	65,685	65,755	66,544	66,810	67,673	69,001	66,761	68,697	67,921	68,695	68,399	67,608	67,646
1962	66,331	67,003	67,534	68,074	69,142	69,948	69,943	70,186	69,629	69,830	68,990	68,549	68,783
1963	67,170	67,491	68,333	69,238	69,991	70,835	71,215	71,074	70,585	70,984	70,498	69,828	69,768
1964	68,498	69,200	69,700	70,958	71,994	72,455	72,839	72,703	71,879	72,162	71,902	71,583	71,323
1965	70,252	70,683	71,320	72,182	73,252	74,201	75,014	74,624	73,298	74,044	73,749	73,796	73,034
1966	72,364	72,703	73,116	74,121	74,695	75,134	78,811	76,812	75,454	75,963	76,242	75,810	75,017
1967	74,402	74,728	74,793	75,859	75,851	77,582	78,413	78,380	76,823	77,413	77,463	77,573	78,590
1968	75,491	76,350	76,740	77,373	78,178	79,536	80,034	79,722	78,237	78,839	78,850	78,922	78,173
1969	77,568	78,371	78,723	79,311	79,508	81,182	81,854	81,886	80,306	80,951	80,964	81,047	80,140
1970	79,564	79,692	80,149	80,579	80,490	81,516	82,431	82,052	80,411	81,069	80,896	80,701	80,796
1971	79,438	79,443	79,670	80,397	80,910	81,699	82,904	82,883	81,545	82,295	82,462	82,445	81,340
1972	81,359	81,566	82,394	82,846	83,434	84,846	85,684	85,774	84,339	85,026	85,054	85,252	83,968
1973	83,428	84,201	85,203	85,688	86,155	87,977	88,800	88,380	87,308	88,474	88,316	88,140	88,838
1974	86,584	88,802	87,398	87,730	88,332	89,728	90,603	90,195	88,672	89,491	88,575	87,876	88,515
1975	85,618	85,270	85,711	86,228	86,837	88,173	89,420	89,412	88,075	88,831	88,366	88,358	87,524
1976	87,304	87,592	88,434	89,450	90,174	91,389	92,577	92,364	90,960	91,719	91,573	91,520	90,420
1977	89,677	90,262	91,254	92,313	93,125	94,800	95,533	95,505	94,446	95,440	95,885	95,834	93,673
1978	94,252	94,396	95,183	96,414	97,111	99,145	99,545	99,487	98,426	99,487	99,421	99,290	97,679
1979	97,610	98,143	98,862	99,071	99,646	101,366	102,412	101,777	101,133	101,719	101,502	101,601	100,421
1980	99,682	99,813	100,107	100,147	100,323	101,423	102,269	101,821	100,961	101,629	101,485	101,216	100,907
1981	99,771	100,033	101,000	101,978	102,482	103,048	104,260	103,816	102,050	102,682	102,161	101,227	102,042
1982	99,487	99,810	100,142	100,526	101,622	102,347	103,164	102,866	101,521	101,493	101,039	100,514	101,194

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Total employment, men													
1950	41,006	40,889	41,487	41,917	42,506	43,240	43,629	44,213	43,673	43,875	43,535	42,985	42,728
1951	42,441	42,568	43,471	43,612	44,039	44,414	44,697	44,994	44,335	44,270	43,972	43,907	43,892
1952	43,232	43,199	43,439	43,715	44,118	44,670	44,784	44,724	44,197	44,188	44,102	44,020	44,030
1953	43,828	44,003	44,366	44,427	44,857	45,343	45,550	45,659	44,782	44,653	44,542	43,701	44,825
1954	43,118	42,982	42,883	43,325	43,568	44,179	44,397	44,855	44,127	44,063	43,985	43,466	43,727
1955	43,124	43,024	43,429	43,891	44,561	45,174	45,743	45,845	45,415	45,442	45,332	44,875	44,854
1958	44,416	44,191	44,480	44,956	45,356	46,083	46,310	46,418	45,715	45,693	45,371	44,810	45,315
1957	44,108	44,265	44,700	45,023	45,434	46,323	46,630	46,349	45,647	45,468	44,942	44,404	45,278
1958	43,394	43,024	43,096	43,584	44,149	44,820	45,096	45,171	44,788	44,991	44,676	44,128	44,243
1959	43,556	43,515	44,138	45,051	45,413	46,252	46,647	46,409	45,735	45,891	45,124	45,193	45,227
1960	44,571	44,736	44,486	45,504	45,947	46,770	46,874	48,828	46,268	46,020	45,852	44,998	45,737
1961	44,281	44,097	44,416	44,888	45,419	46,595	48,687	46,777	45,939	46,037	45,910	45,291	45,528
1962	44,662	44,990	45,263	45,742	46,445	47,265	47,439	47,451	46,738	48,702	46,109	45,689	46,208
1963	45,001	44,970	45,470	46,121	46,584	47,705	48,117	48,071	47,314	47,181	46,822	46,287	46,836
1964	45,895	45,923	46,197	46,994	47,740	48,443	49,069	48,863	47,988	47,855	47,610	47,192	47,485
1965	48,597	48,831	47,107	47,768	48,480	49,327	50,013	49,785	48,414	48,525	48,224	48,045	48,260
1966	47,435	47,574	47,845	48,591	48,880	50,256	50,798	50,696	49,167	49,204	49,042	48,659	49,012
1967	48,297	48,401	48,536	49,018	49,326	50,812	51,443	51,410	49,864	49,823	49,600	49,451	49,665
1968	48,658	49,027	49,239	49,845	50,228	51,592	52,178	52,106	50,435	50,315	50,178	50,190	50,333
1969	49,534	49,855	50,077	50,533	50,752	52,128	52,618	52,728	51,218	51,103	50,952	50,763	51,022
1970	50,158	50,170	50,537	50,822	51,054	52,072	52,639	52,419	51,001	50,847	50,702	50,429	51,071
1971	49,780	49,759	50,040	50,805	51,198	52,257	53,144	52,997	51,567	51,599	51,495	51,243	51,323
1972	50,744	50,782	51,402	51,862	52,273	53,872	54,493	54,491	53,114	53,126	52,954	52,906	52,668
1973	52,056	52,285	52,993	53,295	53,565	55,248	56,002	55,612	54,418	54,741	54,420	54,257	54,074
1974	53,650	53,508	53,818	54,075	54,667	55,941	56,408	56,230	54,961	54,990	54,336	53,613	54,682
1975	52,278	52,035	52,202	52,599	53,151	54,320	55,247	55,181	53,842	53,893	53,487	53,256	53,457
1976	52,722	52,812	53,254	54,098	54,608	55,716	56,619	56,567	55,213	55,354	54,929	54,746	54,720
1977	53,985	54,031	54,556	55,342	55,930	57,523	58,132	58,039	56,732	57,166	57,068	56,996	56,291
1978	58,065	55,929	56,334	57,150	57,804	59,490	58,869	59,755	58,357	58,617	58,540	58,220	58,010
1979	57,595	57,571	57,886	58,284	58,848	60,414	60,981	60,541	59,526	59,485	59,069	58,953	59,096
1980	57,857	57,930	58,105	58,091	58,413	59,490	60,077	59,707	58,583	58,846	58,537	58,345	58,665
1981	57,495	57,438	58,082	58,782	59,239	59,963	60,917	60,532	59,181	59,050	58,427	57,801	58,909
1982	56,620	56,796	57,065	57,453	58,294	58,888	59,460	59,195	57,861	57,727	57,223	56,809	57,800
Total employment, women													
1950	16,292	16,391	16,490	16,958	17,258	17,790	17,242	17,776	17,644	18,313	18,243	17,921	17,359
1951	17,373	17,379	17,893	17,688	18,346	18,184	18,574	18,434	18,388	18,904	18,723	18,669	18,212
1952	17,996	18,024	17,933	18,002	18,597	18,769	18,386	18,532	19,348	19,111	19,589	19,009	18,606
1953	18,596	18,518	18,728	18,590	18,659	19,107	18,903	18,832	18,965	19,335	18,923	18,254	18,785
1954	17,679	18,174	18,326	18,322	18,556	18,433	18,231	18,343	19,000	19,346	19,135	18,737	18,523
1955	18,391	18,465	18,530	19,081	19,285	19,432	19,750	20,040	20,304	20,728	20,529	20,425	19,582
1956	19,656	19,569	19,857	20,013	20,657	20,567	20,563	20,620	21,076	21,343	20,912	20,756	20,447
1957	19,828	20,190	20,374	20,438	20,708	20,766	21,067	20,659	21,120	21,562	21,103	21,081	20,741
1958	19,972	20,062	20,294	20,391	20,803	20,680	20,549	20,673	20,848	21,331	21,076	21,002	20,640
1959	20,346	20,330	20,763	20,997	21,387	21,437	21,314	21,256	21,449	21,950	21,528	21,538	21,191
1960	20,684	20,984	21,008	21,798	22,240	22,372	22,204	22,025	22,497	22,410	22,425	22,168	21,902
1961	21,403	21,658	22,126	21,925	22,255	22,406	22,073	22,120	21,982	22,658	22,489	22,317	22,119
1962	21,669	22,013	22,271	22,332	22,696	22,683	22,504	22,735	22,891	23,128	22,881	22,860	22,554
1963	22,169	22,522	22,863	23,117	23,397	23,130	23,098	23,002	23,271	23,803	23,674	23,542	23,132
1964	22,803	23,277	23,503	23,963	24,255	24,012	23,770	23,840	23,891	24,307	24,292	24,391	23,658
1965	23,655	23,852	24,213	24,414	24,772	24,874	25,001	24,839	24,883	25,519	25,525	25,752	24,775
1966	24,949	25,129	25,270	25,530	25,814	25,878	26,014	26,115	26,287	26,759	27,200	27,151	26,006
1967	26,105	26,324	26,257	26,641	26,525	26,770	26,970	26,970	26,959	27,589	27,864	28,122	28,925
1968	26,833	27,323	27,501	27,528	27,951	27,944	27,856	27,616	27,801	28,324	28,673	28,732	27,841
1969	28,034	28,516	28,646	28,779	28,756	29,054	29,237	29,158	29,088	29,848	30,012	30,284	29,118
1970	29,406	29,522	29,612	29,757	29,436	29,445	29,792	29,632	29,408	30,222	30,196	30,272	29,725
1971	29,656	29,684	29,630	29,593	29,713	29,442	29,760	29,865	29,978	30,695	30,968	31,202	30,015
1972	30,614	30,804	30,992	30,984	31,160	30,975	31,190	31,283	31,226	31,900	32,100	32,346	31,298
1973	31,372	31,916	32,209	32,390	32,591	32,728	32,799	32,767	32,891	33,733	33,896	33,881	32,764
1974	32,934	33,293	33,580	33,656	33,665	33,787	34,195	33,965	33,911	34,501	34,239	34,263	33,832
1975	33,339	33,234	33,509	33,629	33,686	33,853	34,173	34,230	34,232	34,938	34,880	35,102	34,067
1976	34,581	34,781	35,178	35,352	35,567	35,672	35,958	35,797	35,747	36,365	36,643	36,775	35,701
1977	35,892	36,232	36,696	36,971	37,195	37,277	37,400	37,467	37,713	38,274	38,619	38,838	37,381
1978	38,186	38,467	38,849	39,263	39,307	39,656	39,675	39,732	40,068	40,870	40,862	41,071	39,689
1979	40,213	40,572	40,995	40,777	40,799	40,972	41,431	41,236	41,605	42,232	42,433	42,649	41,325
1980	41,824	41,882	42,001	42,056	41,910	41,933	42,192	42,115	42,379	42,781	42,948	42,870	42,241
1981	42,276	42,595	42,917	43,196	43,243	43,085	43,343	43,283	42,869	43,631	43,735	43,426	43,133
1982	42,667	42,814	43,078	43,073	43,329	43,458	43,704	43,671	43,660	43,766	43,816	43,706	43,395

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Total employment-population ratio, both sexes													
1950	54.2	54.1	54.6	55.5	56.3	57.5	57.3	58.3	57.7	58.3	58.0	57.2	56.6
1951	56.2	56.3	57.6	57.5	56.5	58.7	59.2	59.4	58.7	59.1	58.6	58.4	58.2
1952	57.1	57.1	57.2	57.5	58.4	59.0	58.7	58.7	58.9	58.7	59.0	58.3	58.2
1953	57.3	57.4	57.9	57.8	58.0	59.0	59.0	59.0	58.2	58.4	57.9	58.4	58.0
1954	55.3	55.6	55.6	55.9	56.3	56.7	56.7	57.0	57.0	57.2	56.8	56.0	56.4
1955	55.3	55.3	55.6	56.5	57.2	57.8	58.6	58.9	58.7	59.0	58.7	58.1	57.5
1956	57.0	56.7	57.0	57.7	58.5	59.1	59.2	59.8	59.0	59.2	58.4	57.8	58.2
1957	56.3	56.7	57.2	57.5	58.0	58.8	59.2	58.6	58.3	58.5	57.5	57.0	57.8
1958	55.1	54.8	55.0	55.5	56.3	56.7	58.8	56.9	56.7	57.2	56.6	56.0	56.1
1959	54.9	54.8	55.6	56.6	57.1	57.8	58.0	57.7	57.2	57.5	56.6	56.6	56.7
1960	55.1	55.4	55.2	56.7	57.4	58.1	58.0	57.7	57.6	57.3	57.0	56.0	56.8
1961	54.7	54.7	55.4	55.5	56.2	57.2	57.0	57.0	56.1	56.7	56.4	55.7	56.1
1962	54.6	55.2	55.5	55.9	56.7	57.3	57.2	57.3	56.8	56.8	56.1	55.6	56.3
1963	54.4	54.6	55.2	55.8	56.4	57.0	57.2	57.0	56.5	56.8	56.3	55.7	56.1
1964	54.5	55.0	55.4	56.3	57.0	57.3	57.5	57.4	56.6	56.8	56.5	56.1	56.4
1965	55.0	55.3	55.8	56.3	57.1	57.8	58.4	58.0	56.9	57.4	57.1	57.1	56.9
1966	55.9	56.1	56.4	57.1	57.5	58.5	59.0	58.9	57.8	58.1	58.3	57.9	57.6
1967	56.7	56.9	56.9	57.5	57.6	58.8	59.4	59.2	57.9	58.3	58.2	58.3	58.0
1968	56.6	57.2	57.4	57.8	58.4	59.3	59.6	59.3	58.1	58.3	58.3	58.3	58.2
1969	57.2	57.8	58.0	58.3	58.3	59.5	59.9	59.8	58.6	59.0	58.9	58.8	58.7
1970	57.7	57.7	57.9	58.1	58.0	58.6	59.2	58.8	57.5	57.9	57.7	57.4	58.0
1971	58.4	58.3	58.4	56.8	57.1	57.5	58.3	58.1	57.1	57.5	57.5	57.4	57.2
1972	56.3	56.3	56.8	57.0	57.3	58.2	58.7	58.6	57.5	57.9	57.8	57.9	57.5
1973	56.5	57.0	57.6	57.8	58.0	59.1	59.6	59.2	58.4	59.1	58.9	58.7	58.3
1974	57.5	57.6	57.9	58.0	58.3	59.1	59.6	59.3	58.3	58.6	57.9	57.4	58.3
1975	55.6	55.5	55.7	55.9	56.3	57.0	57.7	57.6	56.6	57.0	56.6	56.5	56.5
1976	55.8	55.9	56.3	56.9	57.3	58.0	58.6	58.4	57.4	57.8	57.6	57.5	57.3
1977	56.4	56.8	57.1	57.7	58.1	59.0	59.4	59.3	58.5	59.1	59.1	59.1	58.3
1978	58.1	58.1	58.5	59.2	59.5	60.7	60.8	60.7	60.0	60.5	60.4	60.2	59.7
1979	59.2	59.4	59.7	59.8	60.0	61.0	61.5	61.0	60.5	60.8	60.5	60.5	60.3
1980	59.3	59.3	59.4	59.3	59.4	59.9	60.3	60.0	59.4	59.7	59.6	59.4	59.6
1981	58.4	58.5	59.0	59.5	59.8	60.0	60.7	60.3	59.2	59.5	59.2	58.6	59.4
1982	57.5	57.5	57.8	57.9	58.5	58.9	59.3	59.1	58.2	58.1	57.8	57.5	58.2
Total employment-population ratio, men													
1950	79.3	79.0	79.8	80.8	82.0	83.3	84.0	85.1	84.1	84.2	83.9	82.9	82.4
1951	81.9	82.2	83.8	84.1	85.0	85.7	86.2	86.8	85.5	85.4	84.9	84.6	84.7
1952	83.3	83.2	83.6	84.1	84.9	85.8	86.0	85.9	84.8	84.8	84.5	84.3	84.6
1953	83.0	83.3	84.0	84.0	84.4	85.6	86.0	86.2	84.5	84.2	83.9	82.2	84.3
1954	81.0	80.7	80.5	81.2	81.6	82.7	83.0	83.4	82.3	82.0	81.7	80.7	81.7
1955	80.0	79.8	80.5	81.2	82.4	83.4	84.5	84.6	83.7	83.7	83.4	82.5	82.5
1956	81.6	81.2	81.6	82.5	83.1	84.4	84.7	84.8	83.4	83.3	82.7	81.6	82.9
1957	80.3	80.5	81.2	81.7	82.5	83.9	84.4	83.8	82.4	82.1	81.0	79.9	82.0
1958	78.0	77.4	77.4	78.2	79.2	80.3	80.8	80.8	80.0	80.3	79.6	78.5	79.2
1959	77.4	77.3	78.3	79.9	80.4	81.8	82.4	81.9	80.7	80.5	79.4	79.4	80.0
1960	77.9	78.1	77.6	79.4	80.1	81.4	81.5	81.3	80.3	79.8	79.4	77.8	79.5
1961	76.5	76.1	76.7	77.4	78.2	80.1	80.2	80.3	78.8	78.9	78.6	77.6	78.3
1962	76.4	76.9	77.4	77.9	79.1	80.4	80.8	80.5	79.1	78.9	77.9	77.0	78.5
1963	75.7	75.6	76.2	77.3	77.9	79.7	80.3	80.1	78.8	78.4	77.7	76.7	77.9
1964	75.6	75.9	76.3	77.5	78.6	79.7	80.6	80.2	78.6	78.3	77.8	77.0	78.0
1965	75.9	76.2	76.7	77.6	78.7	80.0	81.0	80.5	78.3	78.4	77.8	77.5	78.2
1966	76.4	76.6	77.0	78.1	78.5	80.7	81.4	81.2	78.7	78.7	78.3	77.7	78.6
1967	77.0	77.2	77.3	78.0	78.4	80.7	81.6	81.3	78.8	78.5	78.1	77.8	78.7
1968	76.4	76.9	77.2	78.1	78.6	80.6	81.4	81.2	78.5	78.2	77.8	77.7	78.6
1969	76.6	77.1	77.3	77.9	78.1	80.2	80.8	80.9	78.4	78.1	77.8	77.3	78.4
1970	76.2	76.2	76.8	76.9	77.1	78.5	79.3	78.8	76.5	76.1	75.8	75.2	76.9
1971	74.1	73.9	74.2	75.2	75.6	77.0	78.2	77.9	75.6	75.5	75.2	74.7	75.6
1972	73.6	73.5	74.3	74.8	75.3	77.5	78.2	78.1	76.0	75.9	75.5	75.3	75.7
1973	74.0	74.2	75.0	75.4	75.8	77.9	78.8	78.1	76.3	76.6	76.1	75.7	76.1
1974	74.7	74.4	74.7	74.9	75.6	77.3	77.8	77.4	75.5	75.4	74.4	73.3	75.5
1975	71.4	70.9	71.1	71.5	72.2	73.6	74.7	74.5	72.5	72.5	71.8	71.4	72.3
1976	70.6	70.6	71.1	72.1	72.7	74.0	75.1	74.9	73.0	73.1	72.4	72.0	72.6
1977	70.9	70.9	71.5	72.4	73.0	75.0	75.7	75.4	73.6	74.1	73.8	73.6	73.3
1978	72.3	72.1	72.5	73.5	74.2	76.2	76.6	76.3	74.4	74.6	74.4	73.9	74.3
1979	73.0	72.9	73.2	73.6	74.2	76.1	76.6	76.0	74.6	74.4	73.8	73.5	74.3
1980	72.1	72.1	72.2	72.1	72.4	73.6	74.2	73.7	72.2	72.4	72.0	71.6	72.5
1981	70.5	70.4	71.1	71.9	72.4	73.1	74.2	73.7	72.0	71.7	70.9	70.0	71.8
1982	68.8	68.7	68.9	69.4	70.3	70.9	71.6	71.2	69.5	69.3	68.6	68.0	69.6

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Total employment-population ratio, women													
1950	30.2	30.3	30.5	31.3	31.8	32.8	31.8	32.7	32.4	33.6	33.4	32.8	32.0
1951	31.8	31.8	32.7	32.3	33.5	33.1	33.8	33.5	33.4	34.3	33.9	33.8	33.2
1952	32.6	32.6	32.4	32.5	33.5	33.8	33.1	33.3	34.7	34.3	35.1	34.0	33.5
1953	33.2	33.0	33.3	33.1	33.2	33.9	33.5	33.4	33.6	34.2	33.4	32.2	33.3
1954	31.2	32.0	32.3	32.2	32.6	32.4	32.0	32.2	33.3	33.9	33.5	32.7	32.5
1955	32.1	32.2	32.3	33.2	33.5	33.7	34.3	34.7	35.2	35.9	35.5	35.3	34.0
1956	33.9	33.7	33.9	34.4	35.5	35.3	35.3	35.3	36.1	36.5	35.7	35.4	35.1
1957	33.8	34.4	34.7	34.8	35.2	35.2	35.7	35.0	35.7	36.4	35.6	35.5	35.2
1958	33.6	33.8	34.1	34.2	34.9	34.7	34.4	34.6	34.8	35.6	35.1	34.9	34.6
1959	33.8	33.7	34.4	34.8	35.4	35.4	35.2	35.0	35.3	36.1	35.4	35.3	35.0
1960	33.8	34.2	34.2	35.5	36.2	36.3	36.0	35.7	36.4	36.2	36.2	35.7	35.5
1961	34.4	34.8	35.5	35.2	35.7	35.9	35.3	35.3	35.1	36.1	35.8	35.5	35.4
1962	34.4	34.9	35.3	35.4	35.9	35.9	35.5	35.8	36.0	36.3	35.9	35.8	35.6
1963	34.6	35.1	35.6	36.0	36.3	35.9	35.8	35.6	35.9	36.7	36.4	36.2	35.9
1964	35.0	35.7	36.0	36.6	37.0	36.6	36.2	36.2	36.3	36.8	36.7	36.8	36.3
1965	35.7	35.9	36.4	36.7	37.2	37.3	37.4	37.1	37.2	38.1	38.0	38.3	37.1
1966	37.1	37.3	37.4	37.8	38.1	38.2	38.3	38.4	38.6	39.3	39.9	39.7	38.3
1967	38.1	38.4	38.3	38.8	38.5	38.8	39.1	39.0	38.9	39.8	40.1	40.4	39.0
1968	38.5	39.2	39.4	39.4	39.9	39.8	39.6	39.2	39.5	40.1	40.6	40.6	39.7
1969	39.5	40.2	40.3	40.4	40.3	40.7	40.9	40.7	40.5	41.5	41.7	42.0	40.7
1970	40.7	40.8	40.9	41.0	40.5	40.5	40.9	40.6	40.2	41.3	41.2	41.2	40.8
1971	40.3	40.3	40.1	40.0	40.1	39.7	40.0	40.1	40.2	41.1	41.4	41.6	40.4
1972	40.5	40.6	40.8	40.8	40.9	40.6	40.8	40.9	40.7	41.6	41.7	42.0	41.0
1973	40.7	41.3	41.6	41.8	42.0	42.1	42.1	42.0	42.1	43.1	43.2	43.1	42.1
1974	41.9	42.3	42.6	42.6	42.5	42.6	43.0	42.7	42.6	43.2	42.8	42.8	42.6
1975	41.6	41.4	41.6	41.7	41.7	41.9	42.2	42.2	42.1	42.9	42.8	43.0	42.1
1976	42.3	42.5	42.9	43.0	43.2	43.3	43.6	43.3	43.2	43.9	44.1	44.3	43.3
1977	43.1	43.5	44.0	44.2	44.4	44.4	44.5	44.5	44.8	45.4	45.7	45.9	44.5
1978	45.1	45.3	45.7	46.1	46.1	46.5	46.4	46.4	46.7	47.6	47.5	47.7	46.4
1979	46.6	47.0	47.4	47.1	47.0	47.2	47.6	47.3	47.7	48.3	48.5	48.6	47.5
1980	47.6	47.6	47.7	47.7	47.5	47.4	47.6	47.5	47.7	48.1	48.3	48.1	47.7
1981	47.4	47.7	48.0	48.3	48.3	48.0	48.3	48.1	47.6	48.4	48.5	48.1	48.1
1982	47.2	47.3	47.6	47.5	47.7	47.8	48.1	48.0	47.9	48.0	48.0	47.9	47.7
Resident Armed Forces, both sexes													
1950	1,111	1,083	1,244	1,063	1,045	1,033	1,032	1,041	1,072	1,280	1,465	1,564	1,169
1951	1,648	1,845	1,998	2,094	2,166	2,225	2,301	2,300	2,313	2,268	2,231	2,324	2,143
1952	2,344	2,389	2,460	2,485	2,463	2,451	2,395	2,384	2,381	2,307	2,297	2,281	2,386
1953	2,290	2,250	2,220	2,260	2,255	2,284	2,267	2,220	2,218	2,183	2,163	2,159	2,231
1954	2,152	2,097	2,090	2,110	2,104	2,115	2,105	2,140	2,175	2,199	2,199	2,213	2,142
1955	2,161	2,153	2,109	2,111	2,066	2,038	1,997	2,009	2,043	2,032	2,021	2,032	2,064
1956	2,023	1,987	1,965	1,967	1,968	1,943	1,933	1,951	1,960	1,962	1,973	1,947	1,965
1957	1,962	1,943	1,940	1,949	1,929	1,962	1,971	1,999	1,998	1,918	1,916	1,887	1,948
1958	1,858	1,821	1,823	1,859	1,854	1,848	1,835	1,826	1,870	1,842	1,862	1,862	1,847
1959	1,850	1,830	1,808	1,807	1,764	1,765	1,768	1,768	1,770	1,750	1,775	1,804	1,788
1960	1,879	1,849	1,867	1,851	1,844	1,854	1,839	1,849	1,873	1,867	1,883	1,880	1,861
1961	1,888	1,886	1,844	1,853	1,842	1,850	1,850	1,869	1,885	1,909	2,051	2,077	1,900
1962	2,116	2,131	2,113	2,117	2,076	2,096	2,094	2,090	2,008	1,980	1,944	1,964	2,061
1963	2,002	1,972	2,004	1,998	1,997	1,991	1,990	2,022	2,018	2,020	2,025	2,037	2,006
1964	2,030	2,003	2,005	2,011	2,042	2,007	2,000	2,027	2,030	2,015	2,010	2,040	2,018
1965	2,017	1,993	1,935	1,962	1,954	1,923	1,921	1,929	1,890	1,932	1,925	1,977	1,946
1966	2,016	2,012	2,026	2,055	2,076	2,097	2,156	2,147	2,206	2,219	2,247	2,210	2,122
1967	2,241	2,221	2,233	2,214	2,213	2,189	2,193	2,210	2,191	2,233	2,245	2,236	2,218
1968	2,219	2,236	2,223	2,230	2,247	2,263	2,286	2,291	2,298	2,274	2,242	2,223	2,253
1969	2,211	2,191	2,203	2,234	2,243	2,224	2,239	2,240	2,280	2,280	2,248	2,258	2,238
1970	2,251	2,203	2,192	2,171	2,116	2,100	2,068	2,087	2,070	2,050	2,038	2,050	2,118
1971	2,047	2,016	1,995	1,993	1,981	1,982	1,962	1,966	1,956	1,920	1,935	1,918	1,973
1972	1,900	1,852	1,816	1,819	1,788	1,773	1,773	1,781	1,802	1,803	1,823	1,828	1,813
1973	1,830	1,796	1,806	1,786	1,772	1,760	1,758	1,764	1,756	1,757	1,754	1,750	1,774
1974	1,741	1,741	1,739	1,736	1,721	1,706	1,706	1,716	1,710	1,712	1,712	1,707	1,721
1975	1,690	1,697	1,693	1,677	1,664	1,666	1,678	1,686	1,676	1,671	1,666	1,669	1,678
1976	1,652	1,660	1,665	1,664	1,664	1,662	1,669	1,674	1,679	1,678	1,681	1,670	1,668
1977	1,660	1,661	1,657	1,653	1,650	1,646	1,654	1,659	1,658	1,661	1,658	1,651	1,656
1978	1,636	1,641	1,638	1,631	1,625	1,615	1,628	1,632	1,636	1,636	1,633	1,621	1,631
1979	1,609	1,607	1,600	1,593	1,589	1,586	1,598	1,603	1,600	1,599	1,595	1,588	1,597
1980	1,571	1,578	1,580	1,578	1,591	1,593	1,604	1,619	1,627	1,630	1,635	1,637	1,604
1981	1,632	1,632	1,636	1,633	1,627	1,629	1,648	1,664	1,661	1,654	1,659	1,665	1,645
1982	1,656	1,664	1,671	1,668	1,665	1,664	1,674	1,669	1,670	1,668	1,660	1,665	1,668

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Resident Armed Forces, men													
1950	1,091	1,064	1,222	1,044	1,027	1,015	1,014	1,025	1,056	1,261	1,443	1,541	1,150
1951	1,823	1,817	1,968	2,063	2,134	2,192	2,269	2,268	2,281	2,236	2,200	2,291	2,112
1952	2,306	2,351	2,421	2,445	2,424	2,412	2,356	2,346	2,343	2,270	2,260	2,245	2,348
1953	2,253	2,214	2,184	2,224	2,219	2,248	2,230	2,184	2,183	2,148	2,128	2,124	2,195
1954	2,118	2,063	2,057	2,076	2,070	2,081	2,073	2,108	2,142	2,166	2,166	2,180	2,108
1955	2,129	2,121	2,077	2,079	2,035	2,007	1,967	1,979	2,012	2,002	1,991	2,002	2,033
1956	1,993	1,957	1,936	1,937	1,938	1,914	1,905	1,924	1,933	1,935	1,945	1,920	1,936
1957	1,935	1,916	1,913	1,922	1,902	1,935	1,944	1,971	1,970	1,891	1,889	1,861	1,921
1958	1,632	1,796	1,797	1,833	1,828	1,822	1,808	1,799	1,842	1,814	1,834	1,834	1,820
1959	1,822	1,803	1,781	1,780	1,738	1,739	1,741	1,741	1,743	1,724	1,748	1,777	1,761
1960	1,852	1,821	1,839	1,824	1,817	1,826	1,811	1,821	1,845	1,839	1,855	1,851	1,833
1961	1,859	1,858	1,816	1,826	1,815	1,822	1,821	1,841	1,857	1,880	2,020	2,046	1,872
1962	2,084	2,099	2,081	2,085	2,044	2,065	2,066	2,062	1,981	1,953	1,918	1,937	2,031
1963	1,975	1,946	1,977	1,971	1,970	1,964	1,963	1,994	1,991	1,993	1,998	2,010	1,979
1964	2,003	1,976	1,978	1,983	2,015	1,980	1,974	2,000	2,003	1,968	1,983	2,012	1,991
1965	1,990	1,966	1,909	1,936	1,928	1,897	1,894	1,902	1,863	1,905	1,898	1,950	1,920
1966	1,988	1,984	1,997	2,026	2,046	2,068	2,128	2,116	2,175	2,188	2,216	2,179	2,093
1967	2,210	2,189	2,202	2,183	2,182	2,158	2,162	2,177	2,158	2,199	2,212	2,202	2,186
1968	2,186	2,202	2,190	2,197	2,214	2,229	2,252	2,257	2,263	2,240	2,209	2,190	2,219
1969	2,178	2,158	2,170	2,201	2,209	2,191	2,206	2,206	2,246	2,246	2,214	2,224	2,204
1970	2,217	2,170	2,159	2,136	2,080	2,065	2,053	2,045	2,028	2,009	1,998	2,009	2,081
1971	2,006	1,976	1,955	1,953	1,941	1,943	1,923	1,926	1,917	1,881	1,896	1,860	1,933
1972	1,861	1,812	1,777	1,779	1,747	1,734	1,732	1,740	1,761	1,762	1,780	1,785	1,772
1973	1,787	1,751	1,761	1,739	1,725	1,712	1,708	1,713	1,705	1,704	1,700	1,695	1,725
1974	1,685	1,683	1,682	1,677	1,660	1,645	1,643	1,650	1,644	1,644	1,642	1,637	1,658
1975	1,619	1,821	1,617	1,602	1,589	1,591	1,596	1,605	1,595	1,590	1,585	1,587	1,600
1976	1,570	1,577	1,581	1,579	1,578	1,575	1,581	1,585	1,590	1,590	1,592	1,582	1,582
1977	1,571	1,571	1,567	1,563	1,558	1,554	1,559	1,564	1,563	1,566	1,564	1,557	1,563
1978	1,543	1,545	1,542	1,534	1,525	1,516	1,525	1,530	1,533	1,535	1,529	1,518	1,531
1979	1,506	1,504	1,496	1,489	1,482	1,479	1,487	1,492	1,489	1,487	1,481	1,475	1,489
1980	1,456	1,459	1,461	1,455	1,467	1,468	1,478	1,492	1,499	1,502	1,506	1,508	1,479
1981	1,502	1,501	1,505	1,501	1,497	1,499	1,511	1,527	1,525	1,521	1,525	1,529	1,512
1982	1,520	1,527	1,532	1,529	1,527	1,526	1,537	1,551	1,526	1,524	1,516	1,529	1,529
Resident Armed Forces, women													
1950	20	19	22	19	18	18	18	16	16	19	22	23	19
1951	25	26	30	31	32	33	34	32	32	32	31	33	31
1952	38	38	39	40	39	39	39	38	38	37	37	36	38
1953	37	36	36	36	36	36	37	36	35	35	35	35	36
1954	34	34	33	34	34	34	32	32	33	33	33	33	33
1955	32	32	32	32	31	31	29	30	31	30	30	30	31
1956	30	30	29	30	30	29	28	27	27	27	27	28	27
1957	27	27	27	27	27	27	27	28	28	27	27	26	27
1958	26	25	26	28	26	26	27	27	28	28	28	28	27
1959	28	27	27	27	26	26	27	27	27	26	27	27	27
1960	28	28	28	28	28	28	28	28	28	28	28	28	28
1961	28	28	28	28	28	28	28	28	28	29	31	31	29
1962	32	32	32	32	31	31	28	28	27	27	26	27	29
1963	27	27	27	27	27	27	27	27	27	27	27	28	27
1964	27	27	27	27	28	27	26	27	27	27	27	28	27
1965	27	27	26	26	26	26	27	27	26	27	27	28	27
1966	28	28	28	29	29	29	29	30	31	31	31	31	30
1967	31	31	31	31	31	31	31	33	33	33	34	34	32
1968	33	34	33	33	34	34	34	34	34	34	34	33	34
1969	33	33	33	34	34	33	34	34	34	34	34	34	34
1970	34	33	33	35	36	36	35	42	41	41	41	41	37
1971	41	40	40	40	40	40	39	39	39	38	39	38	39
1972	39	40	39	40	40	40	41	41	41	41	43	43	41
1973	44	45	45	46	48	48	50	51	52	53	54	54	49
1974	56	57	57	60	61	61	63	66	66	68	70	70	63
1975	71	76	76	75	75	75	80	81	80	81	82	82	78
1976	82	83	83	85	87	86	88	89	89	88	89	89	86
1977	89	90	89	90	92	92	94	95	94	95	95	94	92
1978	93	96	96	97	100	99	103	102	102	102	104	103	100
1979	103	104	104	104	107	107	111	111	111	111	114	114	108
1980	115	119	119	123	124	125	126	127	128	128	129	129	124
1981	130	131	131	132	130	130	137	137	136	133	134	136	133
1982	136	137	139	139	138	138	137	138	144	144	144	136	139

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Unemployment rate, both sexes													
1950	7.5	7.7	6.9	5.9	5.2	5.5	5.2	4.0	3.9	3.2	3.7	3.8	5.2
1951	4.2	4.1	3.6	3.1	2.8	3.3	3.2	2.8	2.9	2.7	3.1	2.8	3.2
1952	3.6	3.7	3.2	2.9	2.8	3.1	3.2	2.9	2.6	2.3	2.4	2.4	2.9
1953	3.3	3.0	2.8	2.7	2.4	2.6	2.6	2.3	2.5	2.4	3.1	4.1	2.8
1954	5.5	6.1	8.2	5.9	5.6	5.6	5.5	5.2	5.2	4.4	4.7	4.6	5.4
1955	5.6	5.5	5.1	4.8	4.0	4.3	3.9	3.7	3.4	3.3	3.7	3.8	4.3
1956	4.6	4.6	4.6	4.0	4.1	4.6	4.3	3.5	3.3	3.0	3.8	3.9	4.0
1957	4.8	4.6	4.2	3.9	3.8	4.5	4.0	3.6	3.6	3.5	4.5	4.8	4.2
1958	6.6	7.5	7.5	7.3	6.9	7.4	7.2	6.5	5.8	5.4	5.4	5.9	6.6
1959	6.8	6.9	6.2	5.1	4.7	5.3	5.0	4.7	4.5	4.6	5.2	5.0	5.3
1960	5.9	5.6	6.0	5.1	4.7	5.7	5.3	5.1	4.6	4.9	5.5	6.2	5.4
1961	7.5	7.9	7.5	6.8	6.5	7.1	6.7	6.1	5.6	5.3	5.4	5.6	6.5
1962	6.5	6.3	6.0	5.4	4.9	5.7	5.2	5.2	4.7	4.4	5.1	5.2	5.4
1963	8.4	6.7	6.1	5.5	5.3	8.0	5.5	5.0	4.7	4.6	5.2	5.1	5.5
1964	6.2	6.1	5.7	5.1	4.7	5.8	4.8	4.7	4.3	4.2	4.4	4.5	5.0
1965	5.3	5.6	4.9	4.6	4.2	5.2	4.4	4.1	3.7	3.5	3.8	3.6	4.4
1966	4.3	4.1	3.9	3.6	3.6	4.5	3.8	3.5	3.2	3.1	3.3	3.4	3.7
1967	4.1	4.1	3.8	3.4	3.1	4.5	4.0	3.6	3.6	3.7	3.6	3.4	3.7
1968	3.9	4.1	3.7	3.1	2.9	4.3	3.9	3.4	3.2	3.1	3.2	3.0	3.5
1969	3.6	3.6	3.4	3.1	2.8	4.0	3.7	3.4	3.6	3.4	3.2	3.1	3.4
1970	4.1	4.5	4.4	4.2	4.0	5.4	5.2	4.9	5.1	5.0	5.4	5.4	4.8
1971	6.4	6.4	6.1	5.5	5.2	6.3	6.1	5.8	5.6	5.3	5.6	5.4	5.8
1972	6.3	6.3	6.0	5.4	5.0	6.1	5.7	5.4	5.3	5.0	4.8	4.7	5.5
1973	5.4	5.5	5.1	4.7	4.3	5.3	4.9	4.6	4.6	4.1	4.5	4.5	4.8
1974	5.5	5.7	5.2	4.7	4.6	5.7	5.6	5.2	5.6	5.4	6.1	6.6	5.5
1975	8.8	9.0	9.0	8.4	8.2	8.9	8.5	8.0	8.0	7.6	7.7	7.8	8.3
1976	8.7	8.5	7.9	7.3	6.6	7.8	7.7	7.5	7.3	7.1	7.3	7.3	7.6
1977	8.2	8.4	7.8	6.8	6.3	7.4	6.9	6.7	6.5	6.3	6.4	5.9	6.9
1978	7.0	6.8	6.5	5.7	5.5	6.1	6.2	5.8	5.7	5.4	5.5	5.6	6.0
1979	6.3	6.3	6.0	5.5	5.2	5.9	5.8	5.8	5.6	5.5	5.5	5.6	5.8
1980	6.8	6.7	6.5	6.6	7.0	7.7	7.8	7.5	7.0	7.0	7.0	6.8	7.0
1981	8.1	7.9	7.6	6.9	7.0	7.6	7.2	7.1	7.2	7.4	7.8	8.2	7.5
1982	9.3	9.4	9.3	9.0	8.9	9.6	9.7	9.4	9.5	9.7	10.2	10.4	9.5
Unemployment rate, men													
1950	7.6	7.9	7.0	6.1	5.0	5.0	4.8	3.7	3.4	2.8	3.0	3.5	5.0
1951	3.9	3.7	3.1	2.6	2.2	2.7	2.7	2.3	2.2	2.2	2.5	2.4	2.7
1952	3.3	3.5	3.0	2.6	2.3	2.7	2.9	2.6	2.4	1.8	2.0	2.3	2.6
1953	3.3	3.0	2.6	2.6	2.3	2.4	2.4	2.0	2.1	2.1	2.8	3.9	2.6
1954	5.2	6.0	6.1	5.7	5.2	5.1	5.2	4.8	4.7	4.2	4.3	4.6	5.1
1955	5.6	5.6	5.2	4.8	3.7	3.9	3.6	3.2	2.8	2.9	3.2	3.6	4.0
1956	4.4	4.6	4.4	3.7	3.6	3.9	3.5	3.0	2.8	2.6	3.3	3.8	3.6
1957	4.6	4.5	4.1	3.8	3.4	4.0	3.6	3.2	3.3	3.3	4.3	5.0	3.9
1958	6.7	7.7	7.9	7.3	6.8	7.0	6.9	6.3	5.4	5.1	5.2	6.1	6.5
1959	6.9	7.1	6.2	4.8	4.3	4.7	4.5	4.3	4.2	4.2	4.9	5.0	5.1
1960	5.9	5.6	6.1	5.0	4.4	5.1	4.9	4.8	4.2	4.5	5.1	6.3	5.2
1961	7.7	8.0	7.6	6.7	6.1	6.3	6.0	5.5	4.9	4.7	4.9	5.7	6.2
1962	6.3	6.2	5.9	5.1	4.6	5.1	4.6	4.6	4.0	3.8	4.6	5.1	5.0
1963	6.3	6.8	6.1	5.2	4.8	5.1	4.7	4.3	3.8	3.8	4.5	5.0	5.0
1964	5.9	5.7	5.4	4.6	4.0	4.9	4.1	3.9	3.6	3.5	3.7	4.2	4.4
1965	5.0	5.1	4.6	4.1	3.7	4.2	3.7	3.4	3.0	2.8	3.0	3.3	3.8
1966	3.9	3.8	3.7	3.0	2.9	3.5	3.1	2.7	2.4	2.3	2.6	3.1	3.1
1967	3.4	3.5	3.3	2.8	2.6	3.4	3.0	2.7	2.4	2.6	2.8	2.9	2.9
1968	3.4	3.6	3.2	2.5	2.2	3.3	2.9	2.5	2.2	2.3	2.4	2.5	2.7
1969	3.1	3.0	2.8	2.4	2.1	2.9	3.0	2.4	2.5	2.5	2.5	2.8	2.7
1970	3.7	4.2	4.0	3.8	3.5	4.6	4.5	4.0	4.0	4.2	4.6	5.2	4.2
1971	6.1	6.1	5.7	5.0	4.6	5.4	5.2	4.8	4.5	4.5	4.8	5.2	5.2
1972	6.0	6.1	5.7	4.9	4.4	5.0	4.7	4.3	4.1	4.1	4.1	4.3	4.8
1973	4.8	5.0	4.6	4.2	3.7	4.3	4.0	3.6	3.4	3.3	3.7	4.0	4.0
1974	5.0	5.2	4.7	4.3	3.9	4.8	4.5	4.2	4.4	4.5	5.2	6.1	4.7
1975	8.2	8.6	8.6	8.1	7.6	8.2	7.7	7.0	6.9	6.7	7.0	7.3	7.7
1976	8.3	8.1	7.6	6.8	6.1	7.0	6.7	6.2	6.0	6.0	6.6	6.9	6.9
1977	7.7	8.1	7.3	6.1	5.7	6.3	5.9	5.5	5.1	5.2	5.3	5.3	6.1
1978	6.4	6.5	6.1	5.1	4.6	4.9	5.0	4.5	4.4	4.5	4.6	5.1	5.1
1979	5.8	5.9	5.6	4.9	4.4	4.9	4.9	4.7	4.5	4.6	4.9	5.2	5.0
1980	6.5	6.5	6.4	6.5	6.8	7.4	7.5	7.0	6.8	6.5	6.8	6.7	6.8
1981	8.1	8.1	7.7	6.8	8.7	7.1	6.5	6.4	6.3	6.8	7.6	8.5	7.2
1982	9.7	9.8	9.8	9.2	8.9	9.5	9.4	9.1	9.3	9.7	10.4	11.0	9.7

HOUSEHOLD DATA

Table 1. New series including the resident Armed Forces, by sex, 1950-82, not seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Unemployment rate, women													
1950	7.3	7.4	6.6	5.3	5.5	6.7	6.1	4.8	5.0	4.2	5.2	4.5	5.7
1951	4.9	4.8	5.0	4.3	4.0	4.8	4.3	3.9	4.5	3.9	4.5	3.7	4.4
1952	4.1	4.2	3.5	3.5	3.8	4.0	4.0	3.8	3.3	3.3	3.4	2.7	3.6
1953	3.3	3.1	3.2	2.9	2.6	3.2	3.0	2.9	3.4	3.1	3.8	4.5	3.3
1954	6.4	6.3	6.5	6.3	6.3	6.7	6.4	6.1	6.3	5.0	5.6	4.6	6.0
1955	5.7	5.3	4.8	4.7	4.7	5.2	4.7	4.9	4.8	4.4	4.9	4.3	4.8
1956	4.9	4.6	5.0	4.7	5.0	5.9	5.9	4.7	4.4	4.0	4.8	4.1	4.8
1957	5.2	4.8	4.3	4.0	4.7	5.6	5.1	4.6	4.4	4.0	5.1	4.4	4.7
1958	6.3	7.1	6.6	7.3	7.2	8.2	7.8	7.2	6.6	5.9	5.9	5.4	6.8
1959	6.6	6.4	6.2	5.8	5.7	6.6	6.1	5.6	5.3	5.4	5.6	5.1	5.9
1960	6.0	5.6	5.8	5.3	5.3	6.8	6.2	5.8	5.4	5.7	6.3	6.1	5.9
1961	7.2	7.7	7.4	7.1	7.1	8.8	8.2	7.1	7.1	6.6	6.5	5.5	7.2
1962	7.0	6.4	6.2	5.9	5.7	6.9	6.5	6.5	6.1	5.7	6.2	5.3	6.2
1963	6.8	6.7	6.1	5.9	6.4	7.9	7.0	8.5	6.4	6.1	6.5	5.4	6.5
1964	8.8	8.8	6.4	6.1	5.9	7.6	6.3	6.2	5.9	5.7	5.8	5.1	8.2
1965	5.9	6.5	5.6	5.6	5.2	7.1	5.6	5.4	5.2	4.8	5.3	4.2	5.5
1966	5.0	4.7	4.4	4.6	5.0	6.4	5.2	5.1	4.6	4.7	4.4	4.0	4.8
1967	5.3	5.2	4.8	4.4	4.2	6.3	5.7	5.3	5.9	5.6	5.1	4.3	5.2
1968	4.9	5.1	4.5	4.2	4.0	6.2	5.7	5.0	5.0	4.5	4.5	3.8	4.8
1969	4.5	4.6	4.3	4.3	4.0	5.9	5.1	5.1	5.3	4.9	4.4	3.7	4.7
1970	4.8	5.2	5.3	5.0	5.0	6.8	6.4	6.4	8.8	6.3	6.7	5.8	5.9
1971	6.8	8.9	6.8	6.5	6.2	7.9	7.6	7.5	7.5	6.7	6.8	5.8	6.9
1972	6.8	6.5	6.5	8.2	5.9	7.8	7.5	7.2	7.2	6.6	6.0	5.3	6.8
1973	6.3	6.3	5.9	5.6	5.2	6.9	6.5	6.3	6.5	5.5	5.7	5.3	6.0
1974	6.5	6.4	6.0	5.4	5.7	7.3	7.2	6.8	7.6	6.9	7.6	7.3	6.7
1975	9.7	9.5	9.5	8.9	9.1	10.1	9.7	9.6	9.6	9.0	8.6	8.2	9.3
1976	9.3	9.1	8.5	7.9	7.4	9.1	9.1	9.4	9.2	8.5	8.3	7.7	8.6
1977	8.8	8.8	8.5	7.7	7.3	9.1	8.4	8.5	8.6	7.8	7.8	6.8	8.2
1978	7.8	7.3	7.0	6.5	6.7	7.9	8.0	7.6	7.6	6.6	6.7	6.3	7.2
1979	7.1	7.0	6.6	6.3	6.3	7.5	7.0	7.5	7.1	6.8	6.4	6.2	6.8
1980	7.1	7.0	6.6	6.6	7.2	8.2	8.2	8.1	7.6	7.7	7.4	7.0	7.4
1981	8.0	7.7	7.4	7.1	7.4	8.3	8.2	8.0	8.3	8.3	8.2	7.8	7.9
1982	8.7	8.9	8.7	8.7	9.0	9.7	10.0	9.8	9.8	9.8	9.9	9.6	9.4

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Labor force, both sexes												
1950	82,772	82,770	82,848	83,221	83,128	83,452	83,153	83,837	83,421	83,708	83,751	83,632
1951	83,589	83,823	84,524	83,902	84,210	83,840	84,407	84,227	84,093	84,472	84,245	84,781
1952	84,776	84,808	84,181	84,205	84,521	84,554	84,357	84,261	84,838	84,278	84,788	84,902
1953	85,729	85,770	85,877	85,427	84,870	85,347	85,324	85,036	84,945	85,050	85,112	84,954
1954	85,253	86,091	85,883	86,044	85,779	85,458	85,407	85,847	86,384	86,135	85,958	85,525
1955	86,071	85,849	85,991	86,875	86,447	86,520	87,142	87,590	87,671	87,853	88,058	88,477
1956	88,442	88,111	88,140	88,231	88,890	88,645	88,885	88,624	88,674	88,508	88,630	88,647
1957	88,390	88,822	88,853	88,596	88,624	89,014	89,307	88,705	89,062	88,984	89,039	89,285
1958	88,953	89,022	89,046	89,506	89,749	89,522	89,659	89,863	89,872	89,887	89,520	89,602
1959	89,788	89,479	89,876	90,146	89,942	90,043	90,307	90,200	90,315	90,571	90,308	90,798
1960	90,841	90,798	90,266	91,430	91,470	91,788	91,584	91,690	92,024	91,751	92,322	92,275
1961	92,335	92,306	92,547	92,120	92,294	92,728	92,386	92,403	92,102	92,401	92,427	92,154
1962	92,305	92,540	92,527	92,395	92,627	92,610	92,396	92,071	93,161	92,897	92,815	92,818
1963	93,148	93,234	93,427	93,695	93,829	93,617	93,946	93,808	94,149	94,301	94,443	94,225
1964	94,388	94,688	94,718	95,285	95,437	95,039	95,007	95,145	95,320	95,323	95,296	95,505
1965	95,586	95,850	95,884	96,190	96,420	96,335	96,682	96,545	96,392	96,770	96,722	97,070
1966	97,202	96,966	97,101	97,393	97,523	97,744	97,892	98,193	98,262	98,418	98,857	98,851
1967	98,880	98,742	98,581	98,991	99,111	99,459	99,577	99,922	100,003	100,427	100,436	100,727
1968	99,797	100,466	100,479	100,500	101,084	101,383	101,256	101,102	101,156	101,187	101,451	101,686
1969	101,734	102,210	102,282	102,515	102,368	102,920	103,066	103,346	103,570	103,774	103,645	103,882
1970	104,232	104,354	104,690	104,898	104,599	104,584	104,989	104,967	105,024	105,326	105,586	105,720
1971	105,897	105,619	105,570	105,939	106,116	105,688	106,302	106,639	106,687	106,792	107,393	107,543
1972	107,878	107,888	108,427	108,433	108,597	108,779	108,916	109,298	109,194	109,294	109,415	109,771
1973	109,317	110,160	110,652	110,804	110,749	111,308	111,362	111,273	111,594	111,888	112,470	112,640
1974	112,940	113,226	113,192	113,023	113,317	113,574	113,918	113,775	114,198	114,230	114,478	114,487
1975	114,818	114,473	114,858	115,076	115,548	115,241	115,699	115,848	115,878	115,938	115,916	116,078
1976	116,588	116,858	116,880	117,410	117,511	117,547	118,252	118,415	118,232	118,382	118,935	119,018
1977	118,868	119,448	119,772	119,983	120,315	120,739	120,567	120,025	120,111	120,476	120,234	120,142
1978	122,509	122,478	122,730	123,205	123,521	123,986	124,027	124,143	124,431	124,716	125,195	125,430
1979	125,685	126,079	126,157	126,749	126,763	127,221	127,597	127,713	127,149	127,317	127,433	127,901
1980	128,117	128,215	127,974	128,130	128,483	128,425	128,773	128,735	128,775	129,068	129,231	129,083
1981	129,644	129,807	130,107	130,499	130,728	130,069	130,250	130,426	130,036	130,682	130,913	131,071
1982	131,690	131,028	131,149	131,408	132,043	131,811	132,090	132,303	132,528	132,420	132,702	132,794
Labor force, men												
1950	44,724	44,693	44,844	44,855	44,915	44,870	44,850	45,079	45,044	45,023	44,967	44,937
1951	44,816	44,925	45,341	45,029	45,185	45,050	45,055	45,147	45,108	45,274	45,106	45,382
1952	45,390	45,480	45,264	45,179	45,247	45,289	45,227	45,064	45,106	44,948	45,022	45,422
1953	48,007	46,147	46,094	45,937	45,737	45,780	45,799	45,699	45,569	45,602	45,917	45,915
1954	45,989	46,198	45,911	46,157	46,063	45,879	45,969	48,293	46,441	46,248	46,149	45,993
1955	48,169	46,044	48,173	46,366	46,318	46,225	46,490	46,545	46,721	46,820	46,916	47,030
1956	47,170	47,025	47,009	46,947	47,093	47,096	47,015	47,010	46,972	46,898	47,031	46,993
1957	46,909	47,028	47,138	47,086	47,044	47,320	47,321	47,036	47,198	47,086	47,155	47,235
1958	47,055	48,998	47,019	47,278	47,466	47,345	47,534	47,570	47,683	47,672	47,433	47,414
1959	47,428	47,322	47,486	47,608	47,470	47,479	47,785	47,686	47,840	47,816	47,742	48,036
1960	48,148	48,034	47,796	48,224	48,139	48,163	48,116	48,276	48,400	48,408	48,640	48,534
1961	48,599	48,364	48,432	48,375	48,519	48,605	48,516	48,617	48,465	48,516	48,635	48,526
1962	48,428	48,584	48,630	48,524	48,753	48,684	48,474	48,769	48,805	48,722	48,661	48,659
1963	48,795	48,739	48,904	49,008	49,026	49,008	49,195	49,193	49,293	49,278	49,403	49,269
1964	49,354	49,356	49,392	49,645	49,802	49,535	49,708	49,695	49,912	49,843	49,811	49,826
1965	49,917	50,048	49,974	50,215	50,407	50,024	50,279	50,220	50,048	50,262	50,122	50,298
1966	50,368	50,271	50,387	50,480	50,406	50,580	50,621	50,637	50,577	50,632	50,807	50,797
1967	50,925	50,839	50,784	50,881	50,952	51,191	51,252	51,413	51,288	51,493	51,494	51,567
1968	51,233	51,537	51,469	51,545	51,643	51,915	51,903	51,950	51,791	51,819	51,860	52,093
1969	52,049	52,190	52,190	52,216	52,128	52,287	52,392	52,553	52,746	52,715	52,701	52,773
1970	52,995	53,105	53,246	53,281	53,281	53,186	53,296	53,265	53,439	53,422	53,628	53,826
1971	53,761	53,629	53,589	53,949	54,104	53,863	54,261	54,352	54,287	54,277	54,572	54,636
1972	54,746	54,815	55,083	55,066	55,126	55,316	55,335	55,576	55,546	55,545	55,638	55,836
1973	55,572	55,904	56,254	56,174	56,069	56,298	56,451	56,303	56,414	56,631	56,875	57,063
1974	57,421	57,422	57,272	57,109	57,272	57,304	57,219	57,335	57,537	57,629	57,749	57,676
1975	57,661	57,570	57,676	57,767	58,030	57,790	58,080	58,078	58,121	58,017	58,046	57,967
1976	58,190	58,208	58,283	58,661	58,650	58,545	58,885	58,975	58,981	59,088	59,275	59,322
1977	59,208	59,489	59,495	59,579	59,758	60,002	59,933	60,124	59,946	60,412	60,655	60,682
1978	60,740	60,695	60,717	60,857	60,962	61,187	61,120	61,258	61,204	61,411	61,703	61,791
1979	62,036	62,159	62,020	61,922	61,853	62,145	62,292	62,243	62,508	62,423	62,446	62,613
1980	62,736	62,874	62,730	62,739	62,996	62,955	63,100	63,012	63,053	63,168	63,213	63,074
1981	63,336	63,326	63,459	63,638	63,731	63,252	63,351	63,511	63,428	63,542	63,639	63,671
1982	63,568	63,663	63,693	63,829	64,172	63,851	63,898	64,055	64,301	64,300	64,414	64,384

HOUSEHOLD DATA

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Labor force, women												
1950	18,048	18,077	18,004	18,366	18,213	18,582	18,303	18,558	18,377	18,685	18,784	18,895
1951	18,773	18,698	19,183	18,873	19,045	18,790	19,354	19,080	18,985	19,198	19,139	19,399
1952	19,386	19,328	18,917	19,026	19,274	19,265	19,130	19,197	19,732	19,330	19,766	19,480
1953	19,722	19,623	19,783	19,490	19,133	19,567	19,525	19,337	19,376	19,448	19,195	19,039
1954	19,264	19,893	19,972	19,887	19,716	19,579	19,438	19,554	19,943	19,887	19,809	19,532
1955	19,902	19,805	19,818	20,309	20,129	20,295	20,651	21,045	20,950	21,033	21,142	21,447
1956	21,272	21,086	21,131	21,284	21,597	21,549	21,670	21,614	21,702	21,610	21,599	21,854
1957	21,481	21,796	21,715	21,510	21,580	21,694	21,986	21,669	21,864	21,898	21,884	22,050
1958	21,898	22,024	22,027	22,228	22,283	22,177	22,125	22,293	22,189	22,215	22,087	22,188
1959	22,358	22,157	22,390	22,538	22,472	22,564	22,522	22,514	22,475	22,755	22,566	22,762
1960	22,694	22,764	22,470	23,207	23,332	23,625	23,468	23,414	23,624	23,343	23,882	23,740
1961	23,735	23,942	24,115	23,746	23,776	24,123	23,869	23,786	23,637	23,885	23,792	23,628
1962	23,879	23,956	23,897	23,871	23,873	23,946	23,922	24,302	24,356	24,175	24,154	24,159
1963	24,353	24,496	24,523	24,689	24,803	24,609	24,751	24,614	24,856	25,023	25,040	24,957
1964	25,032	25,330	25,326	25,639	25,636	25,504	25,299	25,450	25,408	25,480	25,485	25,679
1965	25,669	25,802	25,910	25,975	26,013	26,311	26,403	26,325	26,343	26,508	26,600	26,773
1966	26,834	26,695	26,733	26,913	27,116	27,164	27,272	27,555	27,685	27,786	28,050	28,054
1967	27,955	27,902	27,777	28,110	28,034	28,268	28,405	28,509	28,715	28,933	28,943	29,160
1968	28,564	28,929	29,010	28,955	29,452	29,468	29,353	29,152	29,364	29,368	29,592	29,593
1969	29,685	30,020	30,092	30,300	30,240	30,633	30,875	30,793	30,824	31,059	30,944	31,109
1970	31,237	31,249	31,444	31,617	31,318	31,399	31,693	31,702	31,584	31,904	31,959	31,894
1971	32,136	31,990	31,981	31,990	32,012	31,826	32,041	32,286	32,400	32,514	32,821	32,907
1972	33,132	33,073	33,344	33,367	33,470	33,464	33,581	33,722	33,648	33,749	33,777	33,935
1973	33,746	34,256	34,398	34,629	34,681	35,010	34,911	34,970	35,181	35,257	35,595	35,576
1974	35,519	35,803	35,920	35,915	36,045	36,270	36,699	36,440	36,661	36,601	36,729	36,811
1975	37,157	36,903	37,182	37,309	37,518	37,451	37,619	37,770	37,756	37,921	37,871	38,111
1976	38,396	38,450	38,596	38,749	38,862	39,001	39,367	39,440	39,251	39,294	39,660	39,697
1977	39,660	39,957	40,276	40,404	40,557	40,737	40,833	40,901	41,164	41,064	41,580	41,460
1978	41,769	41,783	42,013	42,348	42,559	42,799	42,907	42,885	43,226	43,306	43,492	43,639
1979	43,629	43,921	44,137	43,827	43,910	44,076	44,305	44,470	44,641	44,893	44,987	45,289
1980	45,381	45,341	45,244	45,391	45,487	45,470	45,673	45,723	45,722	45,900	46,018	46,009
1981	46,308	46,481	46,648	46,861	46,997	46,817	46,899	46,915	46,608	47,140	47,274	47,060
1982	47,122	47,345	47,456	47,579	47,871	47,960	48,192	48,248	48,227	48,120	48,288	48,410
Labor force participation rate, both sexes												
1950	59.4	59.3	59.2	59.6	59.5	59.8	59.5	59.9	59.6	59.9	59.9	59.8
1951	59.7	59.8	60.5	59.9	60.2	59.8	60.3	60.1	60.0	60.3	60.1	60.5
1952	60.4	60.4	59.8	59.8	60.0	60.0	59.8	59.7	60.1	59.6	60.0	60.0
1953	60.4	60.4	60.5	60.0	59.4	59.8	59.8	59.5	59.3	59.4	59.4	59.2
1954	59.4	60.1	59.9	59.9	59.6	59.3	59.2	59.5	60.0	59.7	59.4	59.0
1955	59.4	59.2	59.3	59.8	59.5	59.5	60.1	60.4	60.4	60.5	60.7	81.0
1956	60.9	60.6	60.5	60.6	60.9	60.8	60.8	61.2	60.7	60.5	60.5	60.5
1957	60.2	60.6	60.5	60.2	60.2	60.5	60.6	60.0	60.3	60.2	60.1	60.3
1958	60.0	60.0	60.0	60.3	60.4	60.2	60.3	60.4	60.3	60.3	59.9	59.9
1959	59.9	59.6	59.9	60.1	59.8	59.8	60.0	59.8	59.9	60.0	59.7	60.1
1960	59.8	59.7	59.2	60.1	60.1	60.3	60.1	60.1	60.3	60.0	60.4	60.3
1961	60.3	60.2	60.4	59.9	60.0	60.3	60.0	59.9	59.6	59.8	59.8	59.5
1962	59.6	59.7	59.6	59.4	59.6	59.5	59.2	59.7	59.6	59.3	59.2	59.1
1963	59.2	59.2	59.3	59.4	59.5	59.2	59.4	59.2	59.4	59.4	59.5	59.2
1964	59.2	59.4	59.4	59.7	59.8	59.4	59.3	59.3	59.3	59.3	59.1	59.2
1965	59.2	59.3	59.3	59.5	59.6	59.4	59.7	59.5	59.3	59.5	59.4	59.6
1966	59.7	59.4	59.5	59.6	59.7	59.8	59.8	60.0	59.9	60.0	60.3	60.2
1967	60.1	60.0	59.8	60.0	60.0	60.2	60.3	60.4	60.3	60.6	60.5	60.6
1968	59.8	60.3	60.2	60.2	60.5	60.7	60.5	60.3	60.2	60.2	60.3	60.4
1969	60.3	60.6	60.6	60.6	60.4	60.8	60.8	60.9	61.0	61.0	60.8	60.9
1970	61.1	61.1	61.2	61.3	60.9	60.8	61.0	60.9	60.8	60.9	61.0	61.0
1971	61.0	60.7	60.6	60.7	60.7	60.3	60.6	60.8	60.7	60.7	61.0	61.0
1972	60.8	60.7	61.0	60.9	60.9	60.9	60.9	61.0	60.9	60.8	60.8	61.0
1973	60.5	61.0	61.2	61.3	61.1	61.4	61.3	61.2	61.3	61.4	61.7	61.7
1974	61.8	61.9	61.7	61.5	61.6	61.7	61.8	61.6	61.8	61.7	61.8	61.7
1975	61.8	61.5	61.6	61.7	61.9	61.6	61.7	61.7	61.6	61.6	61.5	61.5
1976	61.7	61.7	61.7	62.0	61.9	61.9	62.2	62.2	62.0	62.0	62.3	62.2
1977	62.0	62.3	62.4	62.5	62.6	62.7	62.5	62.7	62.7	62.8	63.2	63.0
1978	63.2	63.1	63.2	63.4	63.5	63.6	63.6	63.5	63.6	63.7	63.9	63.9
1979	64.0	64.2	64.1	63.8	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.3
1980	64.3	64.3	64.1	64.1	64.2	64.1	64.2	64.1	64.0	64.1	64.1	64.0
1981	64.2	64.2	64.4	64.5	64.6	64.1	64.1	64.2	63.9	64.2	64.2	64.1
1982	64.0	64.1	64.1	64.2	64.5	64.3	64.4	64.5	64.5	64.4	64.5	64.5

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Labor force participation rate, men												
1950	86.5	86.3	86.3	86.5	86.6	86.5	86.4	86.8	86.8	86.8	86.6	86.7
1951	86.4	86.8	87.4	86.9	87.2	86.9	86.9	87.1	87.0	87.3	87.1	87.4
1952	87.4	87.6	87.1	86.9	87.0	87.0	86.9	86.5	86.6	86.2	86.3	87.0
1953	87.1	87.4	87.3	86.9	86.4	86.4	86.5	86.3	86.0	86.0	86.5	86.4
1954	86.4	86.8	86.1	86.5	86.3	85.8	86.0	86.4	86.6	86.1	85.8	85.4
1955	85.6	85.4	85.6	85.8	85.6	85.4	85.9	85.9	86.1	86.2	86.3	86.4
1956	86.6	86.4	86.3	86.1	86.3	86.2	86.0	85.9	85.7	85.5	85.7	85.6
1957	85.3	85.5	85.7	85.5	85.4	85.7	85.6	85.0	85.2	85.0	84.9	85.0
1958	84.6	84.5	84.5	84.9	85.1	84.8	85.1	85.1	85.2	85.1	84.5	84.4
1959	84.3	84.0	84.3	84.4	84.1	84.0	84.4	84.2	84.4	84.3	84.0	84.4
1960	84.1	83.9	83.4	84.1	83.9	83.8	83.7	83.8	84.0	83.9	84.2	83.9
1961	83.9	83.5	83.6	83.4	83.5	83.6	83.4	83.5	83.1	83.1	83.3	83.1
1962	82.8	83.1	83.1	82.6	83.0	82.7	82.3	82.7	82.6	82.3	82.2	82.0
1963	82.0	81.9	82.0	82.1	82.0	81.9	82.1	82.0	82.0	81.9	82.0	81.6
1964	81.7	81.6	81.6	81.9	82.0	81.5	81.7	81.5	81.8	81.5	81.4	81.3
1965	81.3	81.5	81.3	81.6	81.8	81.1	81.5	81.2	80.9	81.2	80.9	81.1
1966	81.1	80.9	81.0	81.1	80.9	81.2	81.1	81.1	80.9	80.9	81.1	81.2
1967	81.2	81.1	80.9	81.0	81.0	81.3	81.3	81.3	81.0	81.2	81.1	81.1
1968	80.5	80.8	80.7	80.7	80.8	81.1	81.0	80.9	80.6	80.8	80.4	80.7
1969	80.5	80.7	80.6	80.5	80.2	80.4	80.5	80.6	80.8	80.6	80.4	80.4
1970	80.6	80.6	80.7	80.6	80.5	80.2	80.2	80.0	80.2	80.0	80.1	80.3
1971	80.0	79.7	79.5	79.9	79.9	79.4	79.9	79.9	79.8	79.5	79.7	79.7
1972	79.4	79.3	79.8	79.5	79.4	79.5	79.4	79.6	79.4	79.3	79.3	79.5
1973	78.9	79.3	79.7	79.4	79.2	79.3	79.4	79.1	79.1	79.3	79.5	79.6
1974	79.9	79.8	79.5	79.1	79.2	79.1	78.9	78.9	79.1	79.1	79.1	78.9
1975	78.7	78.5	78.5	78.5	78.8	78.3	78.5	78.4	78.3	78.0	77.9	77.7
1976	77.9	77.8	77.8	78.2	78.0	77.8	78.1	78.1	78.0	78.0	78.1	78.0
1977	77.8	78.0	78.0	77.9	78.0	78.2	78.0	78.1	77.8	78.3	78.5	78.4
1978	78.4	78.2	78.2	78.2	78.2	78.4	78.2	78.3	78.1	78.2	78.5	78.5
1979	78.7	78.7	78.4	78.2	78.0	78.2	78.3	78.1	78.3	78.1	78.0	78.1
1980	78.1	78.2	77.9	77.8	78.1	77.9	77.9	77.7	77.7	77.7	77.7	77.5
1981	77.7	77.6	77.7	77.8	77.8	77.2	77.2	77.3	77.1	77.2	77.2	77.2
1982	77.0	77.0	77.0	77.0	77.4	76.9	76.9	77.0	77.3	77.2	77.2	77.0
Labor force participation rate, women												
1950	33.4	33.4	33.3	33.9	33.6	34.3	33.7	34.1	33.8	34.3	34.4	34.2
1951	34.4	34.2	35.0	34.4	34.7	34.2	35.2	34.7	34.5	34.8	34.7	35.1
1952	35.1	34.9	34.2	34.3	34.7	34.7	34.4	34.5	35.4	34.7	35.4	34.9
1953	35.2	35.0	35.2	34.7	34.0	34.8	34.6	34.3	34.3	34.4	33.9	33.6
1954	34.0	35.1	35.2	35.0	34.7	34.4	34.1	34.3	34.9	34.8	34.6	34.1
1955	34.7	34.5	34.5	35.4	35.0	35.2	35.8	38.5	36.3	36.4	38.5	37.0
1956	36.7	38.3	36.4	36.6	37.1	37.0	37.2	37.1	37.2	37.0	36.9	37.0
1957	36.6	37.1	37.0	36.6	36.7	36.8	37.3	36.7	37.0	37.0	36.9	37.2
1958	36.9	37.1	37.0	37.3	37.4	37.2	37.0	37.3	37.1	37.1	36.8	36.9
1959	37.2	36.8	37.1	37.3	37.2	37.3	37.2	37.1	37.0	37.4	37.1	37.3
1960	37.1	37.1	36.6	37.8	37.9	38.4	38.1	37.9	38.2	37.7	38.2	38.3
1961	38.2	38.5	38.7	38.1	38.1	38.6	38.2	38.0	37.7	38.1	37.9	37.6
1962	37.9	38.0	37.9	37.8	37.8	37.9	37.8	38.3	38.3	38.0	37.9	37.8
1963	38.1	38.2	38.2	38.4	38.5	38.2	38.3	38.1	38.4	38.6	38.6	38.4
1964	38.4	38.8	38.8	39.2	39.1	38.9	38.5	38.7	38.6	38.6	38.6	38.8
1965	38.7	38.9	39.0	39.0	39.0	39.4	39.5	39.4	39.3	39.5	39.6	39.8
1966	39.9	39.6	39.6	39.8	40.1	40.1	40.2	40.5	40.7	40.8	41.1	41.0
1967	40.8	40.7	40.5	40.9	40.7	41.0	41.1	41.2	41.4	41.7	41.7	41.9
1968	41.0	41.5	41.5	41.4	42.0	42.0	41.8	41.4	41.7	41.6	41.9	41.8
1969	41.9	42.3	42.3	42.6	42.4	42.9	42.9	43.0	43.0	43.2	43.0	43.2
1970	43.3	43.2	43.4	43.6	43.1	43.2	43.5	43.4	43.2	43.6	43.6	43.4
1971	43.6	43.4	43.3	43.2	43.2	42.9	43.1	43.3	43.4	43.5	43.8	43.9
1972	43.8	43.6	43.9	43.9	44.0	43.9	44.0	44.1	43.9	44.0	43.9	44.1
1973	43.7	44.3	44.4	44.7	44.7	45.0	44.8	44.8	45.0	45.0	45.4	45.3
1974	45.1	45.4	45.5	45.4	45.5	45.7	46.2	45.8	46.0	45.9	45.9	46.0
1975	46.3	45.9	46.2	46.3	46.5	46.3	48.4	46.5	46.4	46.6	46.4	46.7
1976	46.9	46.9	47.0	47.2	47.2	47.3	47.7	47.7	47.4	47.4	47.8	47.8
1977	47.7	47.9	48.3	48.3	48.4	48.6	48.4	48.6	48.9	48.7	49.2	49.0
1978	49.3	49.2	49.4	49.8	49.9	50.1	50.2	50.1	50.4	50.4	50.6	50.7
1979	50.6	50.9	51.0	50.6	50.6	50.7	50.9	51.0	51.2	51.3	51.4	51.6
1980	51.7	51.6	51.4	51.5	51.5	51.4	51.6	51.6	51.5	51.6	51.7	51.6
1981	51.9	52.1	52.2	52.4	52.5	52.2	52.2	52.2	51.8	52.3	52.4	52.1
1982	52.1	52.3	52.4	52.5	52.7	52.8	53.0	53.0	52.9	52.7	52.9	53.0

HOUSEHOLD DATA

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employment, both sexes												
1950	58,746	58,834	58,972	59,646	59,694	60,085	60,033	80,838	60,647	61,083	61,162	60,993
1951	61,284	61,506	62,399	61,983	62,354	61,845	62,457	62,294	62,026	62,278	62,067	62,821
1952	62,804	62,851	62,368	62,394	62,658	62,670	62,366	62,174	62,902	62,439	63,045	63,235
1953	63,890	64,134	64,230	63,704	63,274	63,740	63,664	63,371	63,124	63,076	62,901	62,136
1954	62,176	62,760	62,276	62,295	62,012	61,907	61,748	61,993	62,457	62,469	62,556	62,329
1955	62,914	62,880	63,073	63,626	63,700	63,819	64,510	64,806	64,993	65,023	65,278	65,716
1956	65,776	65,505	65,376	65,581	65,829	65,763	65,733	64,838	66,039	65,937	65,769	65,857
1957	65,594	66,200	66,344	65,996	65,914	66,158	66,511	65,958	66,119	65,964	65,585	65,809
1958	65,078	64,719	64,554	64,490	64,728	64,578	64,580	64,838	65,051	65,317	65,332	65,411
1959	65,718	65,514	66,075	66,575	66,463	66,614	68,779	66,612	66,540	66,661	66,305	67,145
1960	67,226	67,469	66,540	67,810	67,901	68,022	67,748	67,744	68,140	67,499	67,992	67,658
1961	67,664	67,474	67,694	67,227	67,291	67,843	67,458	67,721	67,426	67,828	68,132	67,977
1962	68,224	68,669	68,606	68,489	68,764	68,766	68,577	69,058	69,200	69,094	68,791	68,911
1963	69,074	68,996	69,355	69,640	69,612	69,640	69,895	69,930	70,192	70,314	70,292	70,250
1964	70,357	70,754	70,768	71,367	71,673	71,225	71,399	71,490	71,608	71,597	71,745	71,854
1965	72,014	72,120	72,374	72,595	72,988	72,948	73,381	73,291	73,176	73,627	73,649	74,039
1966	74,214	74,146	74,214	74,565	74,573	74,872	75,016	75,293	75,464	75,620	76,087	75,939
1967	75,912	75,827	75,672	76,096	76,057	76,467	76,713	76,977	77,045	77,284	77,370	77,709
1968	76,919	77,465	77,802	77,791	78,354	78,445	78,373	78,334	78,470	78,498	78,736	79,001
1969	79,016	79,518	79,570	79,757	79,655	80,104	80,198	80,490	80,530	80,725	80,789	80,998
1970	81,031	80,901	81,055	81,101	80,680	80,513	80,814	80,711	80,568	80,735	80,888	80,644
1971	80,911	80,716	80,583	80,980	81,120	80,739	81,267	81,505	81,645	81,838	82,232	82,389
1972	82,859	82,960	83,369	83,474	83,675	83,856	84,003	84,359	84,345	84,419	84,813	85,228
1973	84,991	85,708	86,258	86,345	86,420	86,945	87,057	86,968	87,244	87,744	88,074	88,151
1974	88,296	88,495	88,558	88,405	88,612	88,647	88,855	88,753	88,781	88,707	88,338	87,851
1975	87,317	86,953	86,880	86,866	87,115	87,021	87,572	87,920	87,955	88,041	88,122	88,334
1976	89,052	89,332	89,650	90,080	90,458	90,225	90,762	90,897	90,852	90,952	91,315	91,473
1977	91,588	92,003	92,465	92,924	93,404	93,605	93,738	94,100	94,360	94,713	95,419	95,756
1978	96,020	96,160	96,393	97,025	97,394	97,958	97,718	98,083	98,306	98,769	99,118	99,202
1979	99,553	99,906	100,053	99,687	99,902	100,271	100,611	100,400	100,966	101,019	101,185	101,540
1980	101,443	101,541	101,257	100,782	100,513	100,362	100,420	100,448	100,731	100,957	101,202	101,287
1981	101,596	101,775	102,140	102,639	102,595	102,022	102,396	102,373	101,765	102,009	101,888	101,342
1982	101,344	101,359	101,268	101,152	101,659	101,345	101,262	101,372	101,213	100,844	100,796	100,758
Total employment, men												
1950	41,948	41,986	42,164	42,272	42,538	42,636	42,761	43,173	43,202	43,295	43,355	43,278
1951	43,377	43,643	44,158	43,940	44,106	43,864	43,883	43,957	43,906	43,941	43,791	44,232
1952	44,164	44,263	44,109	44,040	44,137	44,087	43,945	43,713	43,823	43,844	43,942	44,355
1953	44,771	45,087	45,076	44,799	44,651	44,727	44,704	44,610	44,412	44,327	44,420	44,072
1954	44,051	44,035	43,582	43,684	43,541	43,537	43,525	43,650	43,792	43,728	43,846	43,819
1955	44,063	44,059	44,207	44,275	44,525	44,481	44,801	44,795	45,084	45,056	45,170	45,312
1956	45,462	45,322	45,313	45,310	45,317	45,311	45,287	45,348	45,339	45,331	45,218	45,214
1957	45,145	45,388	45,555	45,379	45,350	45,507	45,575	45,296	45,260	45,079	44,817	44,874
1958	44,481	44,151	43,973	43,942	44,061	43,984	44,064	44,148	44,420	44,595	44,565	44,566
1959	44,738	44,682	45,062	45,402	45,288	45,313	45,531	45,363	45,322	45,293	45,039	45,708
1960	45,823	45,926	45,377	45,889	45,843	45,750	45,645	45,687	45,853	45,641	45,841	45,578
1961	45,558	45,288	45,365	45,229	45,283	45,555	45,415	45,607	45,522	45,868	45,911	45,869
1962	45,944	46,188	46,202	46,094	46,322	46,216	46,111	46,299	46,378	46,396	46,162	46,254
1963	48,276	46,092	46,358	46,481	46,469	46,615	46,771	46,860	46,977	46,936	46,907	46,891
1964	46,971	47,079	47,103	47,370	47,648	47,290	47,604	47,548	47,727	47,669	47,766	47,758
1965	47,846	47,958	48,003	48,149	48,405	48,137	48,376	48,344	48,242	48,466	48,475	48,633
1966	48,721	48,694	48,752	48,955	48,877	49,032	49,063	49,098	49,082	49,186	49,321	49,237
1967	49,462	49,363	49,307	49,365	49,413	49,645	49,768	49,887	49,858	49,972	49,942	50,047
1968	49,772	50,005	49,997	50,185	50,299	50,413	50,483	50,546	50,433	50,463	50,514	50,769
1969	50,689	50,873	50,850	50,893	50,816	50,931	50,920	51,167	51,203	51,203	51,247	51,279
1970	51,329	51,259	51,356	51,216	51,155	50,892	50,960	50,895	50,956	50,864	50,948	50,942
1971	50,966	50,898	50,866	51,237	51,322	51,094	51,459	51,482	51,480	51,533	51,711	51,732
1972	51,939	51,986	52,272	52,339	52,425	52,680	52,761	52,948	52,959	52,958	53,144	53,393
1973	53,305	53,587	53,925	53,819	53,728	54,048	54,244	54,089	54,207	54,489	54,610	54,753
1974	54,997	54,911	54,839	54,630	54,825	54,729	54,633	54,673	54,716	54,689	54,513	54,074
1975	53,586	53,410	53,249	53,146	53,285	53,100	53,442	53,625	53,600	53,588	53,651	53,698
1976	54,048	54,247	54,352	54,650	54,722	54,497	54,835	55,006	54,989	55,061	55,078	55,161
1977	55,288	55,455	55,648	55,890	56,029	56,287	56,366	56,509	56,537	56,891	57,219	57,402
1978	57,403	57,380	57,398	57,696	57,895	58,240	58,076	58,250	58,167	58,348	58,669	58,607
1979	58,916	59,023	58,914	58,847	58,922	59,200	59,211	59,084	59,331	59,217	59,201	59,358
1980	59,188	59,352	59,108	58,639	58,453	58,317	58,285	58,266	58,358	58,585	58,895	58,796
1981	58,859	58,838	59,062	59,338	59,236	58,813	59,125	59,067	58,929	58,778	58,587	58,275
1982	58,187	58,187	58,031	57,973	58,251	57,775	57,664	57,710	57,598	57,456	57,408	57,338

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employment, women												
1950	16,798	16,848	16,808	17,374	17,156	17,449	17,272	17,665	17,445	17,788	17,807	17,717
1951	17,907	17,863	18,243	18,043	18,248	17,981	18,576	18,337	18,120	18,337	18,276	18,589
1952	18,640	18,588	18,259	18,354	18,521	18,583	18,421	18,461	19,079	18,595	19,103	18,880
1953	19,119	19,047	19,154	18,905	18,623	19,013	18,960	18,761	18,712	18,749	18,481	18,064
1954	18,125	18,725	18,694	18,611	18,471	18,370	18,223	18,343	18,665	18,741	18,710	18,510
1955	18,851	18,821	18,866	19,351	19,175	19,338	19,708	20,011	19,909	19,967	20,108	20,404
1956	20,314	20,183	20,063	20,271	20,512	20,452	20,446	20,575	20,700	20,606	20,551	20,643
1957	20,449	20,812	20,789	20,617	20,564	20,651	20,936	20,662	20,859	20,885	20,768	20,935
1958	20,597	20,568	20,581	20,548	20,667	20,594	20,516	20,690	20,631	20,722	20,767	20,825
1959	20,980	20,832	21,013	21,173	21,175	21,301	21,246	21,249	21,218	21,368	21,266	21,437
1960	21,404	21,543	21,163	21,922	22,059	22,272	22,103	22,057	22,287	21,858	22,151	22,079
1961	22,105	22,186	22,329	21,999	22,009	22,288	22,042	22,114	21,904	22,160	22,221	22,108
1962	22,280	22,481	22,404	22,395	22,441	22,550	22,466	22,759	22,822	22,698	22,629	22,657
1963	22,798	22,905	22,997	23,159	23,143	23,025	23,124	23,089	23,215	23,378	23,385	23,360
1964	23,386	23,675	23,665	23,996	24,026	23,935	23,795	23,942	23,881	23,928	23,979	24,096
1965	24,168	24,162	24,371	24,446	24,583	24,811	25,005	24,947	24,933	25,161	25,174	25,407
1966	25,493	25,452	25,461	25,610	25,695	25,840	25,954	26,194	26,382	26,434	26,766	26,702
1967	26,450	26,463	26,365	26,731	26,644	26,822	26,945	27,110	27,187	27,311	27,429	27,662
1968	27,147	27,460	27,605	27,606	28,056	28,032	27,890	27,788	28,036	28,035	28,223	28,232
1969	28,327	28,845	28,720	28,865	28,839	29,173	29,279	29,323	29,327	29,522	29,542	29,719
1970	29,702	29,642	29,699	29,885	29,525	29,622	29,854	29,816	29,611	29,871	29,741	29,702
1971	29,945	29,818	29,717	29,743	29,798	29,646	29,808	30,022	30,165	30,304	30,521	30,657
1972	30,920	30,974	31,117	31,135	31,249	31,177	31,242	31,411	31,386	31,461	31,689	31,835
1973	31,687	32,141	32,333	32,525	32,693	32,897	32,813	32,879	33,038	33,255	33,464	33,397
1974	33,309	33,583	33,719	33,776	33,787	33,918	34,222	34,080	34,045	34,018	33,825	33,777
1975	33,731	33,543	33,631	33,720	33,830	33,921	34,130	34,295	34,354	34,453	34,472	34,636
1976	35,004	35,085	35,297	35,430	35,737	35,727	35,927	35,891	35,863	35,891	36,237	36,313
1977	36,300	36,548	36,816	37,034	37,375	37,318	37,371	37,591	37,822	37,822	38,201	38,354
1978	38,617	38,800	38,995	39,329	39,499	39,718	39,642	39,813	40,138	40,422	40,449	40,595
1979	40,637	40,884	41,139	40,840	40,980	41,071	41,400	41,316	41,635	41,801	41,984	42,183
1980	42,255	42,189	42,149	42,143	42,060	42,045	42,135	42,182	42,373	42,372	42,507	42,491
1981	42,737	42,937	43,078	43,301	43,359	43,209	43,271	43,306	42,836	43,231	43,301	43,067
1982	43,157	43,162	43,237	43,179	43,408	43,570	43,598	43,662	43,615	43,388	43,388	43,420
Total employment-population ratio, both sexes												
1950	55.6	55.6	55.6	56.3	56.3	56.6	56.5	57.2	57.0	57.4	57.5	57.3
1951	57.5	57.8	58.5	58.1	58.5	58.0	58.5	58.3	58.0	58.2	58.0	58.6
1952	58.6	58.6	58.1	58.1	58.3	58.3	57.9	57.7	58.3	57.9	58.4	58.5
1953	58.7	58.9	58.9	58.4	58.0	58.3	58.2	58.0	57.7	57.6	57.4	56.6
1954	56.6	57.1	56.6	56.5	56.2	56.1	55.9	56.1	56.4	56.3	56.4	56.1
1955	56.6	56.5	56.6	57.1	57.1	57.1	57.7	57.9	58.0	58.0	58.2	58.5
1956	58.5	58.2	56.1	58.2	58.4	58.3	58.2	58.8	58.3	58.2	58.0	58.0
1957	57.7	58.2	58.3	58.0	57.8	58.0	58.2	57.8	57.7	57.5	57.1	57.3
1958	56.6	56.3	56.1	55.9	56.1	55.9	55.9	56.1	56.2	56.3	56.3	56.2
1959	56.4	56.2	56.6	57.0	56.9	56.9	57.0	56.8	56.7	56.7	56.3	57.0
1960	56.7	56.9	56.1	57.1	57.1	57.2	56.9	56.8	57.1	56.5	58.8	56.4
1961	56.4	56.2	58.3	55.9	55.9	58.2	55.9	56.0	55.7	56.0	56.2	56.0
1962	56.2	56.5	56.4	56.2	58.4	56.3	56.1	56.4	56.4	56.2	55.9	55.9
1963	55.9	55.8	56.0	58.2	56.1	56.0	58.1	56.1	56.2	56.2	56.1	56.0
1964	56.0	56.3	58.2	56.6	56.8	56.4	58.4	56.4	56.4	56.3	56.4	56.4
1965	56.4	56.4	56.6	56.7	56.9	56.8	57.1	57.0	56.8	57.1	57.0	57.3
1966	57.3	57.2	57.2	57.4	57.4	57.6	57.6	57.7	57.8	57.9	58.1	58.0
1967	57.9	57.8	57.6	57.8	57.7	58.0	58.1	58.1	58.1	58.2	58.2	58.4
1968	57.7	58.0	58.1	58.1	58.5	58.5	58.3	58.2	58.2	58.2	58.3	58.4
1969	58.3	58.6	58.6	58.6	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8
1970	58.7	58.6	58.6	58.5	58.1	57.9	58.0	57.8	57.6	57.7	57.5	57.4
1971	57.4	57.2	57.0	57.2	57.2	56.8	57.1	57.2	57.2	57.2	57.4	57.4
1972	57.3	57.3	57.5	57.4	57.5	57.5	57.5	57.7	57.5	57.5	57.7	57.9
1973	57.6	58.0	58.3	58.2	58.2	58.5	58.4	58.3	58.4	58.6	58.7	58.7
1974	58.7	58.7	58.7	58.5	58.5	58.4	58.5	58.3	58.2	58.1	57.7	57.3
1975	56.9	56.6	56.4	56.4	56.4	56.3	56.5	56.6	56.6	56.5	56.5	56.5
1976	56.9	57.0	57.1	57.3	57.5	57.2	57.5	57.5	57.3	57.3	57.5	57.5
1977	57.5	57.7	57.9	58.1	58.3	58.3	58.3	58.4	58.5	58.6	59.0	59.1
1978	59.2	59.2	59.3	59.6	59.7	59.9	59.7	59.8	59.9	60.1	60.2	60.2
1979	60.3	60.4	60.4	60.1	60.2	60.3	60.4	60.2	60.4	60.3	60.4	60.5
1980	80.3	60.3	60.1	59.7	59.5	59.3	59.2	59.2	59.3	59.3	59.4	59.4
1981	59.5	59.5	59.7	59.9	59.8	59.4	59.6	59.5	59.1	59.1	59.0	58.6
1982	58.6	58.5	58.4	58.3	58.5	58.3	58.2	58.2	58.0	57.8	57.7	57.6

HOUSEHOLD DATA

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employment-population ratio, men												
1950	81.1	81.1	81.1	81.5	82.0	82.1	82.3	83.1	83.2	83.4	83.5	83.5
1951	83.7	84.3	85.1	84.8	85.1	84.6	84.6	84.8	84.7	84.8	84.5	85.2
1952	85.0	85.2	84.9	84.7	84.9	84.7	84.4	83.9	84.1	84.1	84.2	84.9
1953	84.8	85.4	85.4	84.7	84.4	84.5	84.4	84.3	83.8	83.6	83.7	82.9
1954	82.8	82.7	81.8	81.9	81.5	81.4	81.4	81.5	81.8	81.4	81.5	81.4
1955	81.7	81.7	81.9	81.9	82.3	82.2	82.7	82.7	83.1	83.0	83.1	83.3
1956	83.5	83.2	83.2	83.1	83.0	83.0	82.8	82.9	82.8	82.7	82.4	82.4
1957	82.1	82.6	82.8	82.4	82.3	82.5	82.5	81.9	81.7	81.4	80.7	80.8
1958	80.0	79.4	79.0	78.9	79.0	78.8	78.9	79.0	79.3	79.8	79.4	79.3
1959	79.5	79.4	80.0	80.5	80.2	80.2	80.5	80.1	79.9	79.8	79.3	80.3
1960	80.1	80.2	79.2	80.0	79.9	79.6	79.4	79.3	79.6	79.1	79.4	78.8
1961	78.7	78.2	78.3	78.0	78.0	78.4	78.0	78.3	78.1	78.3	78.7	78.5
1962	78.6	79.0	79.0	78.5	78.9	78.6	78.3	78.5	78.5	78.4	78.0	78.0
1963	77.8	77.4	77.7	77.9	77.7	77.9	78.0	78.1	78.2	78.0	77.8	77.7
1964	77.7	77.8	77.8	78.2	78.5	77.8	78.2	78.0	78.2	78.0	78.0	77.9
1965	77.9	78.1	78.1	78.2	78.5	78.0	78.4	78.2	78.0	78.3	78.2	78.4
1966	78.5	78.4	78.4	78.7	78.5	78.7	78.6	78.6	78.5	78.6	78.8	78.7
1967	78.9	78.7	78.5	78.6	78.5	78.8	78.9	78.9	78.8	78.8	78.8	78.7
1968	78.2	78.4	78.4	78.6	78.7	78.8	78.8	78.8	78.5	78.5	78.4	78.6
1969	78.4	78.6	78.5	78.4	78.2	78.3	78.2	78.5	78.4	78.3	78.2	78.1
1970	78.0	77.8	77.8	77.5	77.3	76.8	76.7	76.5	76.4	76.2	76.1	76.0
1971	75.8	75.6	75.5	75.8	75.8	75.3	75.8	75.6	75.5	75.4	75.5	75.4
1972	75.3	75.3	75.6	75.5	75.5	75.7	75.7	75.9	75.7	75.6	75.8	76.0
1973	75.7	76.0	76.4	78.1	75.9	76.2	76.3	76.0	78.0	78.3	76.3	76.4
1974	78.6	76.3	76.1	75.7	75.8	75.6	75.4	75.3	75.2	75.0	74.7	74.0
1975	73.2	72.8	72.5	72.3	72.3	72.0	72.3	72.4	72.2	72.1	72.0	72.0
1976	72.3	72.5	72.5	72.8	72.8	72.4	72.7	72.8	72.7	72.7	72.6	72.6
1977	72.6	72.8	72.9	73.1	73.2	73.4	73.4	73.4	73.4	73.7	74.0	74.2
1978	74.1	73.9	73.9	74.2	74.3	74.6	74.3	74.4	74.2	74.3	74.6	74.4
1979	74.7	74.7	74.5	74.3	74.3	74.5	74.4	74.2	74.4	74.0	73.9	74.0
1980	73.7	73.8	73.4	72.8	72.4	72.2	72.0	71.9	71.9	72.1	72.2	72.2
1981	72.2	72.1	72.3	72.6	72.4	71.7	72.0	71.9	71.6	71.4	71.1	70.6
1982	70.4	70.4	70.1	70.0	70.2	69.6	69.4	69.4	69.2	69.0	88.8	68.6
Total employment-population ratio, women												
1950	31.1	31.2	31.1	32.1	31.7	32.2	31.8	32.5	32.1	32.6	32.6	32.5
1951	32.8	32.7	33.3	32.9	33.3	32.8	33.8	33.3	32.9	33.3	33.1	33.7
1952	33.7	33.6	33.0	33.1	33.4	33.5	33.1	33.2	34.3	33.3	34.2	33.8
1953	34.1	33.9	34.1	33.6	33.1	33.8	33.6	33.3	33.1	33.2	32.7	31.9
1954	32.0	33.0	32.9	32.7	32.5	32.3	32.0	32.2	32.7	32.8	32.7	32.3
1955	32.9	32.8	32.9	33.7	33.3	33.6	34.2	34.7	34.5	34.5	34.8	35.2
1956	35.0	34.8	34.6	34.9	35.3	35.1	35.1	35.3	35.4	35.2	35.1	35.2
1957	34.9	35.5	35.4	35.1	34.9	35.0	35.5	35.0	35.3	35.3	35.0	35.3
1958	34.7	34.6	34.6	34.5	34.7	34.5	34.4	34.6	34.5	34.6	34.6	34.7
1959	34.9	34.6	34.8	35.1	35.0	35.2	35.1	35.0	34.9	35.1	34.9	35.2
1960	35.0	35.1	34.5	35.7	35.9	36.2	35.9	35.7	36.1	35.3	35.8	35.6
1961	35.6	35.7	35.9	35.3	35.3	35.7	35.2	35.3	34.9	35.3	35.4	35.2
1962	35.4	35.7	35.5	35.5	35.5	35.7	35.5	35.9	35.9	35.6	35.5	35.5
1963	35.8	35.7	35.8	36.0	36.0	35.7	35.8	35.7	35.8	36.0	36.0	35.9
1964	35.9	36.3	36.2	36.7	38.7	36.5	36.2	36.4	36.2	36.3	36.3	36.4
1965	36.5	36.4	36.7	36.7	36.9	37.2	37.5	37.3	37.2	37.5	37.5	37.8
1966	37.9	37.8	37.7	37.9	38.0	38.1	38.2	38.5	38.8	38.8	39.2	39.1
1967	38.6	38.6	38.4	38.9	38.7	38.9	39.0	39.2	39.2	39.4	39.5	39.8
1968	39.0	39.4	39.5	39.5	40.1	40.0	39.7	39.5	39.8	39.7	39.9	39.9
1969	40.0	40.4	40.4	40.6	40.4	40.9	40.9	40.9	40.9	41.1	41.0	41.2
1970	41.2	41.0	41.0	41.2	40.7	40.7	41.0	40.8	40.5	40.8	40.5	40.4
1971	40.7	40.4	40.2	40.2	40.2	39.9	40.1	40.3	40.4	40.5	40.8	40.9
1972	40.9	40.9	41.0	41.0	41.1	40.9	40.9	41.1	40.9	41.0	41.2	41.3
1973	41.1	41.6	41.8	42.0	42.1	42.3	42.1	42.1	42.3	42.5	42.7	42.5
1974	42.3	42.6	42.7	42.7	42.7	42.8	43.1	42.8	42.7	42.6	42.3	42.2
1975	42.1	41.7	41.8	41.8	41.9	42.0	42.1	42.2	42.3	42.3	42.3	42.4
1976	42.8	42.8	43.0	43.1	43.4	43.3	43.5	43.4	43.3	43.3	43.6	43.7
1977	43.6	43.8	44.1	44.3	44.6	44.5	44.5	44.7	44.9	44.8	45.2	45.3
1978	45.6	45.7	45.9	46.2	46.3	46.5	46.4	46.5	46.8	47.1	47.0	47.1
1979	47.1	47.3	47.5	47.2	47.2	47.3	47.6	47.4	47.7	47.8	47.9	48.1
1980	48.1	48.0	47.9	47.8	47.6	47.6	47.6	47.6	47.7	47.7	47.8	47.7
1981	47.9	48.1	48.2	48.4	48.4	48.2	48.2	48.2	47.6	48.0	48.0	47.7
1982	47.7	47.7	47.7	47.6	47.8	48.0	47.9	48.0	47.9	47.6	47.5	47.6

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes												
1950	6.4	6.3	6.2	5.7	5.4	5.3	4.9	4.4	4.4	4.1	4.1	4.1
1951	3.6	3.3	3.3	3.0	2.9	3.1	3.0	3.0	3.2	3.4	3.4	3.0
1952	3.0	3.0	2.8	2.8	2.9	2.9	3.1	3.2	3.0	2.9	2.7	2.6
1953	2.8	2.5	2.5	2.6	2.5	2.5	2.5	2.6	2.8	3.0	3.4	4.3
1954	4.7	5.0	5.5	5.7	5.7	5.4	5.6	5.9	5.9	5.5	5.2	4.9
1955	4.8	4.5	4.4	4.6	4.1	4.1	3.9	4.1	4.0	4.2	4.1	4.0
1956	3.9	3.8	4.1	3.9	4.2	4.2	4.3	3.9	3.8	3.8	4.2	4.1
1957	4.1	3.8	3.6	3.8	3.9	4.1	4.0	4.0	4.3	4.4	5.0	5.0
1958	5.6	6.2	6.5	7.2	7.2	7.1	7.3	7.2	6.9	6.5	6.0	6.0
1959	5.8	5.7	5.4	5.1	5.0	4.9	5.0	5.1	5.4	5.5	5.7	5.2
1960	5.1	4.7	5.3	5.1	5.0	5.2	5.4	5.5	5.4	5.9	6.0	6.4
1961	6.5	6.7	6.7	6.8	6.9	6.7	6.8	6.5	6.5	6.3	5.9	5.8
1962	5.6	5.3	5.4	5.4	5.3	5.3	5.3	5.5	5.4	5.2	5.5	5.4
1963	5.6	5.8	5.5	5.5	5.7	5.4	5.5	5.3	5.3	5.4	5.6	5.4
1964	5.4	5.3	5.3	5.2	5.0	5.1	4.8	4.9	4.9	4.9	4.7	4.8
1965	4.7	4.9	4.6	4.7	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9
1966	3.9	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.7
1967	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.9	3.8	3.7
1968	3.6	3.7	3.6	3.4	3.4	3.6	3.5	3.4	3.3	3.3	3.3	3.3
1969	3.3	3.3	3.3	3.3	3.3	3.4	3.5	3.4	3.6	3.6	3.4	3.4
1970	3.8	4.1	4.3	4.5	4.6	4.8	4.9	5.0	5.2	5.4	5.7	5.9
1971	5.8	5.7	5.8	5.8	5.8	5.8	5.8	5.9	5.8	5.7	5.9	5.9
1972	5.7	5.6	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.5	5.1	5.1
1973	4.8	4.9	4.8	4.9	4.8	4.8	4.7	4.7	4.7	4.5	4.8	4.8
1974	5.0	5.1	5.0	5.0	5.0	5.3	5.4	5.4	5.8	5.9	6.5	7.0
1975	7.9	8.0	8.4	8.6	8.8	8.6	8.5	8.3	8.3	8.2	8.1	8.1
1976	7.8	7.6	7.5	7.5	7.2	7.5	7.6	7.6	7.5	7.6	7.7	7.6
1977	7.4	7.5	7.3	7.1	6.9	7.1	6.8	6.9	6.7	6.7	6.7	6.3
1978	6.3	6.2	6.2	6.0	5.9	5.8	6.1	5.8	5.9	5.7	5.8	5.9
1979	5.8	5.8	5.7	5.7	5.5	5.6	5.6	5.9	5.8	5.9	5.8	5.9
1980	6.2	6.2	6.2	6.8	7.3	7.4	7.7	7.6	7.4	7.4	7.4	7.1
1981	7.3	7.3	7.2	7.1	7.3	7.3	7.1	7.3	7.5	7.8	8.1	8.5
1982	8.4	8.7	8.9	9.2	9.3	9.4	9.7	9.7	10.1	10.3	10.6	10.7
Unemployment rate, men												
1950	6.2	6.1	6.0	5.8	5.3	5.0	4.7	4.2	4.1	3.8	3.6	3.7
1951	3.2	2.9	2.6	2.4	2.3	2.6	2.6	2.6	2.7	2.9	2.9	2.5
1952	2.7	2.7	2.6	2.5	2.5	2.7	2.8	3.0	2.8	2.5	2.4	2.3
1953	2.7	2.3	2.2	2.5	2.4	2.3	2.4	2.4	2.5	2.8	3.3	4.0
1954	4.2	4.7	5.1	5.4	5.5	5.1	5.3	5.7	5.7	5.4	5.0	4.7
1955	4.6	4.3	4.3	4.5	3.9	3.8	3.6	3.8	3.5	3.8	3.7	3.7
1956	3.6	3.6	3.6	3.5	3.8	3.8	3.7	3.5	3.5	3.3	3.9	3.8
1957	3.8	3.5	3.4	3.6	3.6	3.8	3.7	3.7	4.1	4.3	5.0	5.0
1958	5.5	6.1	6.5	7.1	7.2	7.1	7.3	7.2	6.8	6.5	6.0	6.0
1959	5.7	5.6	5.1	4.6	4.6	4.6	4.7	4.9	5.3	5.3	5.7	4.8
1960	4.8	4.4	5.1	4.8	4.8	5.0	5.1	5.4	5.3	5.7	5.8	6.1
1961	6.3	6.4	6.3	6.5	6.7	6.3	6.4	6.2	6.1	5.9	5.6	5.5
1962	5.1	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.0	4.8	5.1	4.9
1963	5.2	5.4	5.2	5.2	5.2	4.9	4.9	4.7	4.7	4.8	5.1	4.8
1964	4.8	4.6	4.6	4.6	4.3	4.5	4.2	4.3	4.4	4.4	4.1	4.2
1965	4.1	4.2	3.9	4.1	4.0	3.8	3.8	3.7	3.6	3.6	3.3	3.3
1966	3.3	3.1	3.2	3.0	3.0	3.1	3.1	3.0	3.0	2.9	2.9	3.1
1967	2.9	2.9	2.9	3.0	3.0	3.0	2.9	3.0	2.8	3.0	3.0	2.9
1968	2.9	3.0	2.9	2.6	2.6	2.9	2.7	2.7	2.6	2.6	2.6	2.5
1969	2.6	2.5	2.6	2.5	2.5	2.6	2.8	2.6	2.9	2.9	2.8	2.8
1970	3.1	3.5	3.5	3.9	4.0	4.3	4.4	4.4	4.6	4.8	5.0	5.4
1971	5.2	5.1	5.1	5.0	5.1	5.1	5.2	5.3	5.2	5.1	5.2	5.3
1972	5.1	5.2	5.1	5.0	4.9	4.8	4.7	4.7	4.7	4.7	4.5	4.4
1973	4.1	4.2	4.1	4.2	4.2	4.0	3.9	3.9	3.9	3.8	4.0	4.0
1974	4.2	4.4	4.2	4.3	4.3	4.5	4.5	4.6	4.9	5.1	5.6	6.2
1975	7.1	7.2	7.7	8.0	8.2	8.1	8.0	7.7	7.8	7.6	7.6	7.4
1976	7.1	6.8	6.7	6.8	6.7	6.9	6.9	6.7	6.8	6.8	7.1	7.0
1977	6.6	6.8	6.5	6.2	6.2	6.2	6.0	6.0	5.7	5.8	5.7	5.4
1978	5.5	5.5	5.5	5.2	5.0	4.8	5.0	4.9	5.0	5.0	4.9	5.2
1979	5.0	5.0	5.0	5.0	4.7	4.7	4.9	5.1	5.1	5.1	5.2	5.2
1980	5.7	5.6	5.8	6.5	7.2	7.4	7.6	7.5	7.4	7.3	7.1	6.8
1981	7.1	7.1	6.9	6.8	7.1	7.0	6.7	7.0	7.1	7.5	7.9	8.5
1982	8.5	8.6	8.9	9.2	9.2	9.5	9.8	9.9	10.4	10.6	10.9	10.9

HOUSEHOLD DATA

Table 2. New series including the resident Armed Forces, by sex, 1950-82, seasonally adjusted—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, women												
1950	6.9	6.8	6.6	5.4	5.8	6.1	5.6	4.8	5.1	4.8	5.2	5.2
1951	4.6	4.5	4.9	4.4	4.2	4.3	4.0	3.9	4.6	4.5	4.5	4.2
1952	3.8	3.8	3.5	3.5	3.9	3.5	3.7	3.8	3.3	3.8	3.4	3.1
1953	3.1	2.9	3.2	3.0	2.7	2.8	2.9	3.0	3.4	3.6	3.7	5.1
1954	5.9	5.9	6.4	6.4	6.3	8.2	6.3	6.2	6.4	5.8	5.5	5.2
1955	5.3	5.0	4.8	4.7	4.7	4.7	4.6	4.9	5.0	5.1	4.9	4.9
1956	4.5	4.3	5.1	4.8	5.0	5.1	5.6	4.8	4.6	4.6	4.9	4.7
1957	4.8	4.5	4.3	4.2	4.7	4.8	4.8	4.6	4.6	4.6	5.1	5.1
1958	5.9	6.6	6.6	7.6	7.3	7.1	7.3	7.2	7.0	6.7	6.0	6.1
1959	6.2	6.0	6.2	6.1	5.8	5.6	5.7	5.6	5.6	6.1	5.8	5.8
1960	5.7	5.4	5.8	5.5	5.5	5.7	5.8	5.8	5.7	6.4	6.5	7.0
1961	6.9	7.3	7.4	7.4	7.4	7.6	7.7	7.0	7.3	7.2	6.6	6.4
1962	6.7	6.2	6.2	6.2	6.0	5.8	6.1	6.3	6.3	6.1	6.3	6.2
1963	6.4	6.5	6.2	8.2	6.7	6.4	6.6	6.3	6.6	6.6	6.6	6.4
1964	6.6	6.5	6.6	6.4	6.3	6.2	5.9	5.9	6.0	6.1	5.9	6.2
1965	5.8	6.4	5.9	5.9	5.5	5.7	5.3	5.2	5.4	5.1	5.4	5.1
1966	5.0	4.7	4.8	4.8	5.2	4.9	4.8	4.9	4.7	4.9	4.6	4.8
1967	5.4	5.2	5.1	4.9	5.0	5.1	5.1	4.9	5.3	5.6	5.2	5.1
1968	5.0	5.1	4.8	4.7	4.7	4.9	5.0	4.7	4.5	4.5	4.6	4.6
1969	4.6	4.6	4.6	4.7	4.6	4.8	4.6	4.8	4.9	4.9	4.5	4.5
1970	4.9	5.1	5.5	5.5	5.7	5.7	5.8	5.9	6.2	6.4	6.9	6.9
1971	6.8	6.8	7.1	7.0	6.9	6.8	7.0	7.0	6.9	8.8	7.0	6.8
1972	8.7	6.3	6.7	6.7	6.6	6.8	7.0	6.9	6.7	6.8	6.2	6.2
1973	6.1	6.2	6.0	6.1	5.7	6.0	6.0	6.0	6.1	5.7	6.0	6.1
1974	6.2	6.2	6.1	6.0	8.3	6.5	6.7	6.5	7.1	7.1	7.9	8.2
1975	9.2	9.1	9.6	9.6	9.8	9.4	9.3	9.2	9.0	9.1	9.0	9.1
1976	8.8	8.8	8.5	8.6	8.0	8.4	8.7	9.0	8.8	6.7	8.6	8.5
1977	8.5	8.5	8.6	8.3	7.8	8.4	8.0	8.1	8.1	7.9	8.1	7.5
1978	7.5	7.1	7.2	7.1	7.2	7.2	7.6	7.2	7.1	6.7	7.0	7.0
1979	6.9	8.9	6.8	6.8	6.7	6.8	6.6	7.1	6.7	6.9	6.7	6.9
1980	6.9	7.0	6.8	7.2	7.5	7.5	7.7	7.7	7.3	7.7	7.6	7.6
1981	7.7	7.6	7.7	7.6	7.7	7.7	7.7	7.7	8.1	8.3	8.4	8.5
1982	8.4	8.8	8.9	9.2	9.3	9.2	9.5	9.5	9.6	9.8	10.1	10.3

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
Annual averages											
1950	106,164	63,377	59.7	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,767
1951	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093
1953 ¹	109,267	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041
1954	110,463	65,765	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678
1955	111,747	67,067	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,659	4.2	45,336
1958	115,574	69,466	60.1	64,863	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,871	72,359	60.0	67,648	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,667	63,076	4,070	5.5	50,583
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1966	130,160	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,802
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.8	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,889	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,879	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,384	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
Monthly data, seasonally adjusted²											
1982:											
February	173,153	111,028	64.1	101,359	1,664	99,695	3,367	96,328	9,669	8.7	62,125
March	173,338	111,149	64.1	101,268	1,671	99,597	3,367	96,230	9,881	8.9	62,189
April	173,512	111,408	64.2	101,152	1,668	99,484	3,356	96,128	10,256	9.2	62,104
May	173,691	112,043	64.5	101,659	1,665	99,994	3,446	96,548	10,384	9.3	61,648
June	173,854	111,811	64.3	101,345	1,664	99,681	3,371	96,310	10,488	9.4	62,043
July	174,038	112,090	64.4	101,262	1,674	99,588	3,445	96,143	10,826	9.7	61,948
August	174,200	112,303	64.5	101,372	1,689	99,683	3,429	98,254	10,931	9.7	61,897
September	174,360	112,526	64.5	101,213	1,670	99,543	3,363	96,180	11,315	10.1	61,832
October	174,549	112,420	64.4	100,844	1,668	99,178	3,413	95,763	11,576	10.3	62,129
November	174,716	112,702	64.5	100,796	1,660	99,138	3,466	95,670	11,906	10.8	62,016
December	174,864	112,794	64.5	100,756	1,665	99,093	3,411	95,682	12,036	10.7	62,070
1983:											
January	175,021	112,215	64.1	100,770	1,667	99,103	3,412	95,691	11,446	10.2	62,806
February	175,189	112,217	64.1	100,727	1,664	99,063	3,393	95,670	11,490	10.2	62,952

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

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

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1972 ¹	69,607	55,327	79.5	52,868	1,772	50,896	2,849	48,047	2,659	4.8	14,280	
1973 ¹	71,017	58,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667	
1974	72,486	57,397	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069	
1975	73,891	57,899	78.4	53,457	1,600	51,657	2,824	49,032	4,442	7.7	15,993	
1976	75,341	58,758	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	18,565	
1977	78,758	59,959	78.1	56,291	1,563	54,728	2,871	52,057	3,667	6.1	16,797	
1978 ¹	78,107	61,151	78.3	58,011	1,531	56,479	2,718	53,781	3,142	5.1	18,958	
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	60,877	62,932	77.8	58,685	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	83,486	77.4	58,908	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	83,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
Monthly data, seasonally adjusted²												
1982:												
February	82,673	83,683	77.0	56,197	1,527	56,870	2,895	53,975	5,488	6.8	18,990	
March	82,763	83,693	77.0	56,031	1,532	56,499	2,692	53,807	5,662	8.9	19,070	
April	82,844	83,829	77.0	57,973	1,529	58,444	2,705	53,739	5,856	9.2	19,015	
May	82,929	84,172	77.4	58,251	1,527	56,724	2,773	53,951	5,921	9.2	18,757	
June	83,006	83,851	78.9	57,775	1,526	56,249	2,729	53,520	6,078	9.5	19,155	
July	83,097	83,898	78.9	57,664	1,537	56,127	2,781	53,346	6,234	9.8	19,199	
August	83,173	84,055	77.0	57,710	1,551	56,159	2,771	53,368	6,345	9.9	19,116	
September	83,231	84,301	77.3	57,598	1,526	56,072	2,707	53,365	6,703	10.4	18,930	
October	83,323	84,300	77.2	57,458	1,524	55,932	2,764	53,168	6,844	10.8	19,023	
November	83,402	84,414	77.2	57,408	1,516	55,692	2,793	53,099	7,006	10.9	18,988	
December	83,581	84,364	77.0	57,338	1,529	55,809	2,710	53,099	7,046	10.9	19,197	
1983:												
January	83,652	83,916	78.4	57,283	1,531	55,752	2,728	53,024	6,633	10.4	19,736	
February	83,720	83,996	78.4	57,234	1,528	55,706	2,652	53,054	6,782	10.6	19,724	
Annual averages												
WOMEN												
1972 ¹	78,331	33,520	43.9	31,298	41	31,257	635	30,822	2,222	6.6	42,811	
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000	
1974	79,375	36,274	45.7	33,832	63	33,769	598	33,173	2,441	6.7	43,101	
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,386	
1976	82,478	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.8	43,406	
1977	83,832	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227	
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703	
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608	
1980	88,472	45,811	51.8	42,241	124	42,117	656	41,461	3,370	7.4	42,661	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,667	47,894	52.7	43,395	139	43,258	665	42,591	4,499	9.4	42,993	
Monthly data, seasonally adjusted²												
1982:												
February	90,480	47,345	52.3	43,162	137	43,025	672	42,353	4,183	6.8	43,135	
March	90,578	47,456	52.4	43,237	139	43,098	675	42,423	4,219	8.9	43,120	
April	90,668	47,579	52.5	43,179	139	43,040	651	42,389	4,400	9.2	43,089	
May	90,762	47,671	52.7	43,406	138	43,270	673	42,597	4,463	9.3	42,891	
June	90,848	47,960	52.8	43,570	138	43,432	642	42,790	4,390	9.2	42,868	
July	90,941	48,192	53.0	43,598	137	43,461	664	42,797	4,584	9.5	42,749	
August	91,027	48,248	53.0	43,662	138	43,524	658	42,866	4,586	9.5	42,779	
September	91,129	48,227	52.9	43,615	144	43,471	656	42,815	4,812	9.6	42,902	
October	91,226	48,120	52.7	43,388	144	43,244	649	42,595	4,732	9.8	43,106	
November	91,316	48,288	52.9	43,388	144	43,244	673	42,571	4,900	10.1	43,026	
December	91,283	48,410	53.0	43,420	138	43,284	701	42,583	4,990	10.3	42,873	
1983:												
January	91,369	48,299	52.9	43,486	136	43,350	684	42,666	4,813	10.0	43,070	
February	91,449	48,220	52.7	43,483	138	43,357	740	42,617	4,727	9.6	43,229	

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	February 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
18 years and over	173,505	108,847	63.2	97,285	12,382	11.3	63,858	32,017	10,402	2,485	18,954
18 to 19 years	15,478	7,345	47.5	5,539	1,805	24.8	8,133	526	7,019	25	563
18 to 17 years	7,498	2,817	34.9	1,937	680	26.0	4,881	117	4,562	7	185
18 to 19 years	7,979	4,728	59.3	3,603	1,125	23.8	3,251	409	2,457	18	368
20 to 24 years	20,840	15,835	76.0	13,036	2,799	17.7	5,005	1,988	2,317	49	653
25 to 54 years	89,513	71,487	79.9	64,659	6,828	9.6	18,026	13,531	1,031	799	2,664
25 to 34 years	38,876	31,502	81.0	27,823	3,679	11.7	7,376	5,507	748	198	924
25 to 29 years	20,374	18,577	81.4	14,339	2,237	13.5	3,797	2,726	516	79	479
30 to 34 years	18,504	14,925	80.7	13,483	1,442	9.7	3,579	2,782	232	120	445
35 to 44 years	28,452	23,235	81.7	21,304	1,931	8.3	5,218	4,068	212	225	714
35 to 39 years	15,734	12,865	81.8	11,760	1,105	8.6	2,869	2,267	135	95	354
40 to 44 years	12,718	10,370	81.5	9,544	826	6.0	2,347	1,781	77	130	380
45 to 54 years	22,182	18,749	75.5	15,532	1,217	7.3	5,433	3,959	72	377	1,026
45 to 49 years	11,034	8,829	78.2	7,972	857	7.6	2,405	1,814	50	145	397
50 to 54 years	11,149	8,121	72.8	7,560	581	6.9	3,028	2,145	22	232	629
55 to 64 years	21,977	12,020	54.7	11,198	822	6.8	9,957	5,641	28	662	3,625
55 to 59 years	11,408	7,250	63.6	6,706	544	7.5	4,157	2,645	19	344	1,149
60 to 64 years	10,570	4,770	45.1	4,492	278	5.8	5,800	2,996	10	318	2,476
65 years and over	25,897	2,960	11.5	2,832	128	4.3	22,737	10,333	7	948	11,449
65 to 69 years	6,854	1,755	19.8	1,689	86	4.9	7,100	3,240	5	238	3,816
70 years and over	16,842	1,206	7.2	1,163	43	3.6	15,637	7,092	3	709	7,832
Men											
18 years and over	82,182	61,943	75.4	54,311	7,632	12.3	20,248	407	5,292	1,431	13,119
18 to 19 years	7,758	3,860	49.8	2,805	1,055	27.3	3,897	12	3,541	12	332
18 to 17 years	3,807	1,383	36.3	996	387	28.0	2,424	7	2,311	4	102
18 to 19 years	3,950	2,477	62.7	1,809	668	27.0	1,473	5	1,230	9	230
20 to 24 years	10,153	8,434	83.1	6,709	1,725	20.5	1,719	20	1,259	34	407
25 to 54 years	43,530	40,746	93.6	38,511	4,235	10.4	2,784	111	479	554	1,839
25 to 34 years	19,004	17,891	94.1	15,560	2,331	13.0	1,113	49	392	136	533
25 to 29 years	9,973	9,354	93.8	7,919	1,434	15.3	619	25	266	46	283
30 to 34 years	9,031	6,537	94.5	7,840	897	10.5	494	25	128	93	250
35 to 44 years	13,831	13,118	94.8	11,988	1,130	8.6	713	35	53	173	453
35 to 39 years	7,851	7,305	95.5	6,665	640	8.6	348	23	25	70	228
40 to 44 years	6,160	5,813	94.1	5,323	489	8.4	367	12	28	103	225
45 to 54 years	10,895	9,737	91.0	8,963	775	8.0	957	27	34	243	653
45 to 49 years	5,343	4,976	93.1	4,564	412	6.3	367	11	23	89	244
50 to 54 years	5,352	4,762	89.0	4,399	363	7.6	590	18	11	154	409
55 to 64 years	10,250	7,118	69.4	6,594	523	7.4	3,132	57	8	441	2,827
55 to 59 years	5,388	4,303	80.2	3,960	343	8.0	1,065	34	3	212	616
60 to 64 years	4,882	2,815	57.7	2,834	180	6.4	2,067	23	5	229	1,811
65 years and over	10,502	1,785	17.0	1,892	93	5.2	8,718	207	5	390	6,114
65 to 69 years	3,943	1,030	26.1	872	58	5.6	2,913	47	5	125	2,736
70 years and over	6,558	756	11.5	721	35	4.8	5,603	159	-	264	5,379
Women											
18 years and over	91,313	47,704	52.2	42,953	4,751	10.0	43,809	31,810	5,110	1,054	5,835
18 to 19 years	7,720	3,484	45.1	2,734	750	21.5	4,235	514	3,477	13	231
18 to 17 years	3,891	1,234	33.4	840	283	23.6	2,457	110	2,251	4	93
18 to 19 years	4,029	2,251	55.9	1,794	457	20.3	1,776	404	1,227	9	138
20 to 24 years	10,687	7,401	69.3	6,327	1,074	14.5	3,286	1,966	1,058	16	246
25 to 54 years	45,983	30,741	66.9	28,148	2,591	6.4	15,242	13,420	552	245	1,025
25 to 34 years	19,874	13,811	69.5	12,283	1,348	9.9	6,283	5,457	366	60	390
25 to 29 years	10,401	7,223	69.4	6,420	803	11.1	3,178	2,701	250	33	196
30 to 34 years	9,473	6,388	67.4	5,843	545	8.5	3,085	2,757	108	27	195
35 to 44 years	14,621	10,118	69.2	9,316	802	7.9	4,503	4,031	159	52	261
35 to 39 years	8,063	5,560	68.8	5,095	465	8.4	2,523	2,262	110	25	128
40 to 44 years	8,538	4,557	53.3	4,221	337	7.4	1,980	1,789	49	27	135
45 to 54 years	11,488	7,012	61.0	6,570	442	8.3	4,476	3,932	37	133	373
45 to 49 years	5,891	3,853	65.4	3,408	245	8.7	2,038	1,803	27	58	153
50 to 54 years	5,797	3,359	57.9	3,161	198	5.9	2,438	2,129	11	78	220
55 to 64 years	11,727	4,903	41.8	4,604	299	6.1	8,825	5,584	20	222	999
55 to 59 years	6,039	2,947	48.8	2,746	202	6.8	3,082	2,811	16	132	333
60 to 64 years	5,688	1,955	34.4	1,858	97	5.0	3,733	2,973	4	90	665
65 years and over	15,195	1,175	7.7	1,139	35	3.0	14,021	10,128	2	558	3,335
65 to 69 years	4,911	725	14.8	697	28	3.8	4,187	3,193	-	113	882
70 years and over	10,284	450	4.4	442	8	1.8	9,834	6,933	3	445	2,453

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	February 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	150,187	95,368	63.5	65,619	9,749	10.2	54,619	28,333	8,134	2,024	16,326
16 to 19 years	12,619	6,544	51.0	5,082	1,462	22.3	6,275	408	5,450	16	399
18 to 17 years	6,202	2,407	38.8	1,816	591	24.6	3,795	97	3,540	5	154
18 to 19 years	6,617	4,137	62.5	3,266	870	21.0	2,480	311	1,911	14	245
20 to 24 years	17,499	13,603	77.7	11,480	2,123	15.6	3,897	1,568	1,649	36	441
25 to 54 years	77,054	61,775	80.2	56,403	5,371	8.7	15,279	11,787	806	639	2,046
25 to 34 years	33,091	26,894	81.3	24,092	2,802	10.4	6,197	4,773	586	161	677
25 to 29 years	17,298	14,136	81.7	12,448	1,688	11.9	3,160	2,350	411	60	340
30 to 34 years	15,794	12,757	80.8	11,643	1,114	8.7	3,036	2,424	175	101	337
35 to 44 years	24,619	20,204	82.1	18,669	1,535	7.6	4,415	3,532	168	177	538
35 to 39 years	13,624	11,195	82.2	10,320	875	10.8	2,429	1,994	105	75	259
40 to 44 years	10,998	9,009	81.9	8,349	660	7.3	1,987	1,550	64	102	280
45 to 54 years	19,345	14,678	75.9	13,643	1,035	7.0	4,667	3,483	51	301	831
45 to 49 years	9,550	7,505	78.6	6,969	536	7.1	2,045	1,596	36	119	301
50 to 54 years	9,795	7,173	73.2	6,675	499	7.5	2,622	1,909	16	182	530
55 to 64 years	19,593	10,767	55.0	10,080	687	6.4	8,826	5,092	25	533	3,176
55 to 59 years	10,141	6,492	64.0	6,033	459	7.1	3,649	2,387	18	272	972
60 to 64 years	8,452	4,275	45.2	4,048	227	5.3	5,177	2,705	7	260	2,204
65 years and over	23,221	2,879	11.5	2,573	106	4.0	20,542	9,477	3	796	10,266
65 to 69 years	7,993	1,582	19.8	1,506	76	4.8	6,411	2,962	4	204	3,243
70 years and over	15,228	1,098	7.2	1,067	30	2.7	14,131	8,515	-	592	7,023
Men											
16 years and over	71,622	54,565	78.2	48,413	6,152	11.3	17,056	334	4,184	1,179	11,380
16 to 19 years	6,449	3,428	53.2	2,571	856	25.0	3,021	7	2,764	11	239
18 to 17 years	3,180	1,276	40.4	943	332	26.1	1,885	4	1,794	4	83
18 to 19 years	3,268	2,152	65.4	1,628	524	24.4	1,136	3	970	7	156
20 to 24 years	8,594	7,241	84.3	5,898	1,343	18.5	1,353	19	1,039	28	267
25 to 54 years	37,894	35,803	94.5	32,364	3,438	9.6	2,092	81	352	455	1,203
25 to 34 years	18,373	15,559	85.0	13,700	1,858	11.9	815	35	296	111	373
25 to 29 years	8,566	8,116	94.7	6,992	1,124	13.8	451	20	208	35	189
30 to 34 years	7,806	7,442	95.3	6,708	734	9.9	363	16	88	76	184
35 to 44 years	12,120	11,607	95.8	10,898	909	7.8	513	28	35	139	313
35 to 39 years	6,716	6,475	96.4	5,956	519	8.0	241	18	13	55	155
40 to 44 years	5,405	5,132	95.0	4,742	390	7.6	273	8	22	64	159
45 to 54 years	9,401	8,838	94.0	7,966	671	7.8	764	20	21	205	518
45 to 49 years	4,664	4,382	94.0	4,037	346	7.9	281	8	15	78	180
50 to 54 years	4,738	4,255	89.8	3,930	326	7.7	483	12	6	127	338
55 to 64 years	9,200	6,463	70.2	6,025	438	6.8	2,737	46	5	362	2,324
55 to 59 years	4,816	3,926	81.5	3,631	295	7.5	890	28	2	174	688
60 to 64 years	4,384	2,537	57.9	2,394	143	5.6	1,847	21	3	187	1,636
65 years and over	9,484	1,631	17.2	1,554	77	4.7	7,853	180	4	323	7,347
65 to 69 years	3,578	944	26.4	892	52	5.5	2,634	40	4	111	2,480
70 years and over	5,906	687	11.6	662	24	3.5	5,219	140	-	212	4,867
Women											
16 years and over	78,565	40,803	51.9	37,208	3,597	8.8	37,763	27,999	3,970	845	4,948
16 to 19 years	6,370	3,118	48.9	2,511	805	19.4	3,254	401	2,686	7	160
18 to 17 years	3,041	1,131	37.2	872	259	22.9	1,910	93	1,745	1	71
18 to 19 years	3,329	1,985	59.6	1,638	348	17.4	1,344	308	940	6	89
20 to 24 years	8,905	6,382	71.4	5,582	780	12.3	2,543	1,549	810	10	174
25 to 54 years	39,160	25,972	66.3	24,039	1,933	7.4	13,187	11,708	454	184	843
25 to 34 years	16,718	11,335	67.8	10,391	944	8.3	5,383	4,738	290	50	304
25 to 29 years	8,730	8,020	92.0	5,456	564	9.4	2,709	2,330	203	25	151
30 to 34 years	7,988	5,315	66.5	4,935	380	7.1	2,673	2,408	87	25	153
35 to 44 years	12,499	8,597	68.8	7,971	626	7.3	3,902	3,506	134	38	225
35 to 39 years	8,908	4,720	53.0	4,364	358	7.6	2,188	1,972	92	20	104
40 to 44 years	5,591	3,877	69.3	3,607	270	7.0	1,714	1,534	42	18	121
45 to 54 years	9,943	6,041	60.7	5,677	383	6.0	3,903	3,462	31	96	314
45 to 49 years	4,886	3,123	63.9	2,932	190	6.1	1,764	1,580	21	41	121
50 to 54 years	5,057	2,918	57.7	2,745	173	5.9	2,139	1,882	10	55	192
55 to 64 years	10,393	4,304	41.4	4,056	248	5.8	6,089	5,046	20	171	852
55 to 59 years	5,326	2,566	48.2	2,402	164	6.4	2,780	2,362	16	98	284
60 to 64 years	5,088	1,738	34.3	1,654	84	4.9	3,330	2,684	4	73	568
65 years and over	13,737	1,048	7.6	1,019	30	2.8	12,889	9,297	-	473	2,919
65 to 69 years	4,415	638	14.4	614	24	3.7	3,777	2,922	-	93	763
70 years and over	9,322	411	4.4	405	6	1.5	8,912	6,375	-	380	2,156

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	February 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	18,796	11,366	60.5	9,076	2,280	20.1	7,430	2,965	1,774	411	2,281
18 to 19 years	2,248	656	29.2	349	306	46.7	1,592	105	1,330	7	150
16 to 17 years	1,111	187	15.0	93	74	44.4	944	20	883	3	37
18 to 19 years	1,137	489	43.0	258	232	47.5	648	85	447	4	113
20 to 24 years	2,715	1,861	68.5	1,256	605	32.5	854	342	319	10	164
25 to 54 years	9,754	7,818	78.1	6,385	1,250	16.4	2,138	1,321	121	140	557
25 to 34 years	4,551	3,871	80.7	2,902	770	21.0	880	532	95	31	222
25 to 29 years	2,443	1,960	80.2	1,478	482	24.6	482	284	60	17	122
30 to 34 years	2,106	1,712	81.2	1,424	288	18.8	388	249	35	14	99
35 to 44 years	2,947	2,323	78.8	1,984	339	14.6	623	405	14	42	183
35 to 39 years	1,609	1,276	78.3	1,079	197	15.4	334	212	12	16	93
40 to 44 years	1,337	1,047	78.3	905	142	13.6	290	193	3	25	70
45 to 54 years	2,256	1,621	71.9	1,479	142	8.8	635	364	12	87	172
45 to 49 years	1,163	879	75.6	766	92	10.5	286	167	7	21	91
50 to 54 years	1,082	742	67.9	693	50	6.7	349	218	4	47	82
55 to 64 years	1,958	1,003	51.2	895	108	10.8	955	439	1	123	392
55 to 59 years	1,046	618	59.1	548	70	11.3	428	201	1	68	158
60 to 64 years	912	385	42.2	348	39	10.1	527	238	-	55	234
65 years and over	2,121	230	10.9	211	19	8.3	1,890	758	3	131	998
65 to 69 years	735	143	19.5	133	10	7.0	592	241	2	33	317
70 years and over	1,385	87	6.3	78	9	10.3	1,299	518	2	98	681
Men											
16 years and over	8,386	5,773	68.8	4,494	1,278	22.1	2,814	81	845	219	1,487
18 to 19 years	1,098	353	32.1	177	175	49.7	745	5	657	1	82
16 to 17 years	552	85	15.4	42	43	50.9	467	3	448	-	17
18 to 19 years	546	268	49.0	136	132	49.3	278	2	210	1	68
20 to 24 years	1,240	982	79.2	643	338	34.4	258	2	132	5	119
25 to 54 years	4,349	3,801	87.4	3,118	682	18.0	548	21	54	84	389
25 to 34 years	2,040	1,821	89.3	1,413	408	22.4	219	7	45	24	143
25 to 29 years	1,097	977	89.1	707	270	27.6	119	1	26	10	83
30 to 34 years	943	844	89.5	706	138	16.4	99	7	19	14	60
35 to 44 years	1,310	1,140	87.1	945	195	17.1	189	8	3	29	130
35 to 39 years	716	626	87.5	521	106	16.9	90	4	2	12	72
40 to 44 years	593	514	86.7	424	90	17.4	79	4	1	16	58
45 to 54 years	999	839	84.0	780	79	9.4	160	8	6	31	116
45 to 49 years	517	447	86.4	401	48	10.3	71	2	3	7	59
50 to 54 years	482	392	81.4	360	33	8.3	89	4	3	25	58
55 to 64 years	858	513	60.0	444	89	13.5	343	9	1	73	260
55 to 59 years	457	302	66.1	261	41	13.7	155	7	1	34	112
60 to 64 years	399	211	52.9	183	28	13.2	188	2	-	38	148
65 years and over	844	124	14.7	111	13	10.7	720	24	1	56	637
65 to 69 years	309	68	22.1	62	6	(¹)	241	7	2	13	219
70 years and over	535	56	10.5	49	7	(¹)	479	18	-	43	419
Women											
16 years and over	10,409	5,593	53.7	4,582	1,012	18.1	4,816	2,903	928	193	792
18 to 19 years	1,150	303	26.3	172	131	43.3	647	100	673	6	88
16 to 17 years	559	82	14.7	51	31	37.8	477	17	437	3	20
18 to 19 years	591	221	37.4	121	100	45.3	370	83	237	3	47
20 to 24 years	1,475	879	59.6	612	267	30.4	596	340	187	5	65
25 to 54 years	5,405	3,815	70.6	3,247	568	14.9	1,590	1,300	67	56	168
25 to 34 years	2,511	1,851	73.7	1,489	361	18.5	861	525	50	7	79
25 to 29 years	1,346	983	73.0	771	212	21.5	383	283	34	7	39
30 to 34 years	1,165	868	74.5	718	150	17.3	297	242	16	-	39
35 to 44 years	1,637	1,183	72.2	1,039	144	12.2	454	397	11	13	33
35 to 39 years	893	650	72.7	558	91	14.1	244	208	10	4	21
40 to 44 years	744	533	71.7	481	52	9.8	211	189	2	9	12
45 to 54 years	1,257	782	62.2	719	63	8.1	475	378	6	36	56
45 to 49 years	646	432	66.8	385	48	10.7	215	165	4	14	32
50 to 54 years	810	350	57.4	333	17	4.8	260	214	1	22	24
55 to 64 years	1,102	490	44.4	451	39	8.0	613	430	-	50	132
55 to 59 years	589	316	53.6	288	28	8.9	273	194	-	34	46
60 to 64 years	513	174	33.9	163	11	6.3	339	238	-	17	86
65 years and over	1,277	108	8.3	100	6	5.4	1,171	734	2	75	361
65 to 69 years	426	75	17.6	71	4	5.3	351	234	-	20	98
70 years and over	850	31	3.8	29	2	(¹)	820	500	2	55	262

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	February 1983								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	23,318	14,279	61.2	11,646	256	11,390	2,633	18.4	9,038
16 to 19 years	2,659	601	30.1	458	13	445	344	42.9	1,656
16 to 17 years	1,297	210	16.2	121	5	116	89	42.3	1,087
18 to 19 years	1,363	591	43.4	337	8	328	255	43.1	771
20 to 24 years	3,341	2,232	66.8	1,556	22	1,534	676	30.3	1,108
25 to 54 years	12,457	9,712	78.0	8,254	176	8,080	1,458	15.0	2,746
25 to 34 years	5,788	4,609	79.6	3,731	90	3,641	877	19.0	1,179
25 to 29 years	3,078	2,441	79.3	1,891	42	1,849	549	22.5	637
30 to 34 years	2,710	1,167	43.1	1,840	48	1,793	326	28.1	542
35 to 44 years	3,833	3,032	79.1	2,635	48	2,587	397	13.1	801
35 to 39 years	2,111	1,671	79.2	1,440	14	1,426	231	13.8	440
40 to 44 years	1,721	1,362	79.1	1,195	35	1,161	167	12.3	361
45 to 54 years	2,838	2,071	73.0	1,889	37	1,852	182	8.8	767
45 to 49 years	1,483	1,123	75.7	1,003	18	986	120	10.7	360
50 to 54 years	1,354	948	70.0	885	19	867	82	6.5	407
55 to 64 years	2,384	1,253	52.6	1,116	33	1,085	135	10.8	1,131
55 to 59 years	1,266	758	59.9	673	18	656	85	11.2	508
60 to 64 years	1,118	495	44.3	445	16	429	50	10.2	823
65 years and over	2,478	281	11.4	259	13	246	22	7.9	2,195
65 to 69 years	862	173	20.1	183	5	158	9	5.2	689
70 years and over	1,614	108	6.7	95	8	87	17	15.7	1,506
Men									
16 years and over	10,570	7,378	69.8	5,898	222	5,677	1,480	20.1	3,192
16 to 19 years	1,309	433	33.1	234	10	225	199	45.9	876
16 to 17 years	647	108	16.6	53	2	51	55	50.9	539
18 to 19 years	682	325	49.1	181	7	174	144	44.2	337
20 to 24 years	1,559	1,193	76.5	811	18	793	382	32.1	388
25 to 54 years	5,634	4,943	87.7	4,145	152	3,994	797	16.1	692
25 to 34 years	2,631	2,333	88.7	1,859	78	1,782	473	20.3	298
25 to 29 years	1,406	1,238	88.1	927	40	887	310	25.1	166
30 to 34 years	1,225	1,095	89.4	932	38	895	163	14.9	130
35 to 44 years	1,710	1,511	88.3	1,280	43	1,247	221	14.6	200
35 to 39 years	835	830	88.8	708	11	697	122	14.6	105
40 to 44 years	775	881	87.8	581	32	550	100	14.8	95
45 to 54 years	1,293	1,100	85.0	997	31	966	103	9.4	194
45 to 49 years	679	593	87.3	527	16	512	66	11.1	86
50 to 54 years	614	507	82.5	469	16	454	37	7.3	106
55 to 64 years	1,050	655	62.3	570	30	539	65	13.0	395
55 to 59 years	553	377	68.3	330	17	313	46	12.6	175
60 to 64 years	497	278	55.8	240	14	227	37	13.5	220
65 years and over	1,017	155	15.2	138	13	126	16	10.6	863
65 to 69 years	365	66	23.5	80	5	75	5	6.4	279
70 years and over	652	69	10.6	58	8	50	11	(1)	583
Women									
16 years and over	12,748	6,901	54.1	5,747	34	5,713	1,154	16.7	5,846
16 to 19 years	1,350	368	27.3	223	3	220	145	39.4	981
16 to 17 years	650	102	15.7	68	2	66	34	33.3	547
18 to 19 years	700	268	38.0	155	1	154	111	41.7	434
20 to 24 years	1,782	1,040	58.3	748	4	741	294	26.3	742
25 to 54 years	6,823	4,789	89.9	4,109	24	4,086	659	13.8	2,054
25 to 34 years	3,157	2,276	72.1	1,872	12	1,859	404	17.8	881
25 to 29 years	1,672	1,203	71.9	964	2	962	239	19.9	469
30 to 34 years	1,485	1,073	72.3	908	10	898	165	15.4	412
35 to 44 years	2,122	1,521	71.7	1,348	6	1,340	176	11.5	601
35 to 39 years	1,176	841	71.5	732	3	729	109	12.9	335
40 to 44 years	946	881	71.9	814	3	811	67	9.8	266
45 to 54 years	1,544	971	82.9	892	6	887	79	8.1	573
45 to 49 years	804	530	65.9	476	2	474	54	10.2	274
50 to 54 years	740	441	59.6	418	3	413	25	5.7	299
55 to 64 years	1,334	598	44.9	548	3	545	50	8.4	736
55 to 59 years	713	381	53.4	344	1	343	37	9.8	333
60 to 64 years	621	217	35.0	205	2	202	13	5.9	403
65 years and over	1,459	128	8.7	120	-	120	6	4.6	1,332
65 to 69 years	497	87	17.6	83	-	83	4	4.6	410
70 years and over	962	39	4.1	37	-	37	2	(1)	923

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

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
TOTAL								
Civilian noninstitutional population	171,489	173,505	73,209	74,434	82,367	83,593	15,913	15,478
Civilian labor force	108,324	109,647	57,328	58,083	43,140	44,219	7,856	7,345
Percent of population	63.2	63.2	78.3	78.0	52.4	52.9	49.4	47.5
Employed	97,946	97,265	52,221	51,506	39,788	40,219	5,937	5,539
Agriculture	2,853	2,865	2,169	2,153	476	506	208	207
Nonagricultural industries	95,093	94,399	50,052	49,353	39,312	39,713	5,729	5,333
Unemployed	10,378	12,382	5,108	6,577	3,352	4,000	1,918	1,805
Unemployment rate	9.6	11.3	8.9	11.3	7.8	9.0	24.4	24.6
Not in labor force	63,165	63,858	15,881	16,351	39,227	39,374	8,057	8,133
White								
Civilian noninstitutional population	148,855	150,187	64,303	65,173	71,337	72,195	13,215	12,819
Civilian labor force	94,616	95,368	50,692	51,138	36,984	37,887	6,940	6,544
Percent of population	63.6	63.5	78.8	78.5	51.8	52.2	52.5	51.0
Employed	86,492	85,619	46,624	45,842	34,461	34,695	5,407	5,082
Agriculture	2,583	2,609	1,927	1,941	454	475	202	194
Nonagricultural industries	83,909	83,009	44,697	43,901	34,007	34,220	5,206	4,888
Unemployed	8,124	9,749	4,088	5,296	2,523	2,991	1,533	1,462
Unemployment rate	8.8	10.2	8.0	10.4	6.8	7.9	22.1	22.3
Not in labor force	54,239	54,819	13,611	14,035	34,353	34,509	6,275	6,275
Black								
Civilian noninstitutional population	18,450	18,796	7,124	7,288	9,085	9,260	2,261	2,246
Civilian labor force	11,036	11,366	5,278	5,420	5,019	5,290	739	656
Percent of population	59.8	60.5	74.1	74.4	55.4	57.1	32.7	29.2
Employed	9,060	9,076	4,343	4,317	4,308	4,410	409	349
Agriculture	205	192	192	161	8	20	5	10
Nonagricultural industries	8,855	8,884	4,151	4,155	4,301	4,390	404	339
Unemployed	1,977	2,290	935	1,103	711	880	331	306
Unemployment rate	17.9	20.1	17.7	20.4	14.2	16.6	44.7	48.7
Not in labor force	7,413	7,430	1,846	1,868	4,046	3,970	1,522	1,592

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and major activity	February 1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	23,824	11,717	11,907	19,820	9,773	9,847	3,345	1,604	1,741
Civilian labor force	13,117	6,885	6,252	11,485	5,994	5,491	1,355	714	641
Percent of population	55.5	58.6	52.5	58.5	81.3	55.8	40.5	44.5	36.8
Employed	10,149	5,117	5,033	9,161	4,811	4,549	779	395	384
Agriculture	338	275	63	318	259	59	16	13	3
Nonagricultural industries	9,812	4,841	4,970	6,843	4,353	4,490	763	382	381
Unemployed	2,968	1,749	1,219	2,324	1,362	942	576	319	258
Looking for full-time work	2,023	1,244	779	1,519	952	566	456	257	198
Looking for part-time work	945	505	441	605	431	374	121	62	59
Percent of labor force	22.6	25.5	19.5	20.2	23.1	17.1	42.5	44.7	40.2
Not in labor force	10,507	4,851	5,655	8,135	3,779	4,356	1,990	890	1,100
Major activity: Going to school									
Civilian noninstitutional population	12,786	6,495	6,291	10,514	5,381	5,134	1,851	892	959
Civilian labor force	4,323	2,208	2,116	3,885	1,998	1,887	340	157	183
Percent of population	33.8	34.0	33.6	37.0	37.1	36.8	18.4	17.6	19.1
Employed	3,379	1,656	1,723	3,110	1,543	1,587	200	81	119
Agriculture	65	69	16	84	69	15	1	-	1
Nonagricultural industries	3,294	1,587	1,707	3,027	1,474	1,553	199	81	118
Unemployed	945	551	393	775	455	320	141	76	64
Looking for full-time work	130	92	37	93	69	24	32	20	12
Looking for part-time work	815	459	356	682	386	296	109	56	52
Percent of labor force	21.8	25.0	18.6	19.9	22.8	17.0	41.3	46.4	35.0
Not in labor force	8,462	4,287	4,175	6,629	3,383	3,246	1,511	736	775
Major activity: Other									
Civilian noninstitutional population	10,638	5,222	5,616	9,106	4,382	4,713	1,494	711	783
Civilian labor force	8,794	4,658	4,136	7,599	3,996	3,604	1,015	557	458
Percent of population	81.1	89.2	73.6	83.5	91.0	76.5	67.9	78.3	58.5
Employed	6,771	3,460	3,310	6,050	3,068	2,982	579	315	265
Agriculture	253	206	47	234	189	45	15	13	2
Nonagricultural industries	8,518	3,254	3,263	5,816	2,879	2,937	565	303	262
Unemployed	2,023	1,197	826	1,549	927	622	436	242	194
Looking for full-time work	1,893	1,152	741	1,427	863	544	424	237	187
Looking for part-time work	131	46	65	123	45	76	12	5	7
Percent of labor force	23.0	25.7	20.0	20.4	23.2	17.2	42.9	43.4	42.2
Not in labor force	2,044	564	1,480	1,506	397	1,110	479	154	325

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Feb. 1982	Feb. 1983	Total		Employed		Unemployed			
			Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Number		Percent of labor force	
							Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
VETERANS										
Total, 25 years and over	8,660	8,270	8,181	7,758	7,462	6,868	719	890	8.8	11.5
25 to 39 years	7,236	6,542	6,933	6,230	6,270	5,485	663	765	9.8	12.3
25 to 29 years	1,326	941	1,215	890	1,043	703	172	187	14.2	21.0
30 to 34 years	3,094	2,504	2,976	2,370	2,699	2,058	279	312	9.4	13.2
35 to 39 years	2,816	3,097	2,740	2,970	2,528	2,704	212	266	7.7	9.0
40 years and over	1,424	1,728	1,248	1,528	1,192	1,403	56	125	4.5	8.2
NONVETERANS										
Total, 25 to 39 years	17,832	19,297	18,694	18,203	15,373	18,129	1,521	2,074	9.0	11.4
25 to 29 years	8,053	8,496	7,596	7,968	6,745	8,827	851	1,141	11.2	14.3
30 to 34 years	5,766	6,482	5,515	6,106	5,085	5,528	430	578	7.8	9.5
35 to 39 years	3,993	4,339	3,783	4,129	3,543	3,774	240	355	6.3	8.6

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, and race	February 1983								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Total, 18 years and over	93,267	76,289	6,383	10,596	11.4	16,380	14,593	1,787	10.9
16 to 19 years	3,249	1,561	661	1,027	31.6	4,096	3,318	778	19.0
16 to 17 years	401	147	85	168	42.0	2,216	1,704	512	23.1
18 to 19 years	2,848	1,414	576	859	30.2	1,880	1,614	266	14.2
20 years and over	90,018	74,728	5,722	9,568	10.6	12,284	11,276	1,008	8.2
20 to 24 years	13,176	9,397	1,314	2,466	18.7	2,859	2,326	333	12.5
25 years and over	76,842	65,331	4,407	7,103	9.2	9,624	8,950	675	7.0
25 to 54 years	64,862	54,854	3,689	6,318	9.7	6,624	6,115	509	7.7
55 years and over	11,980	10,477	718	785	6.8	3,000	2,835	166	5.5
Men, 16 years and over	56,544	46,853	3,023	6,866	12.1	5,399	4,635	764	14.2
16 to 19 years	1,802	866	311	626	34.7	2,058	1,629	429	20.8
20 years and over	54,742	45,788	2,713	6,242	11.4	3,341	3,006	335	10.0
20 to 24 years	7,337	5,062	686	1,589	21.7	1,097	961	136	12.4
25 years and over	47,405	40,726	2,027	4,652	9.8	2,244	2,044	200	8.9
25 to 54 years	39,727	33,923	1,687	4,117	10.4	1,019	901	118	11.6
55 years and over	7,678	6,803	339	534	7.0	1,225	1,143	82	6.7
Women, 16 years and over	36,723	29,635	3,380	3,728	10.2	10,981	9,958	1,023	9.3
16 to 19 years	1,447	695	350	401	27.7	2,038	1,688	349	17.1
20 years and over	35,276	28,940	3,009	3,327	9.4	8,943	8,270	673	7.5
20 to 24 years	5,840	4,335	628	877	15.0	1,562	1,364	197	12.6
25 years and over	29,437	24,605	2,381	2,450	8.3	7,381	6,906	476	6.4
25 to 54 years	25,135	20,932	2,002	2,200	8.8	5,605	5,214	391	7.0
55 years and over	4,302	3,673	379	249	5.8	1,776	1,891	84	4.7
White									
Men, 16 years and over	49,737	41,675	2,550	5,512	11.1	4,828	4,189	640	13.2
16 to 19 years	1,550	790	267	494	31.8	1,877	1,514	363	19.3
20 years and over	48,186	40,685	2,283	5,019	10.4	2,951	2,674	277	9.4
20 to 24 years	6,254	4,483	553	1,217	19.5	987	861	125	12.7
25 years and over	41,933	36,402	1,729	3,802	9.1	1,965	1,813	151	7.7
25 to 54 years	34,944	30,168	1,426	3,348	9.6	880	770	90	10.5
55 years and over	8,989	6,234	303	453	8.5	1,105	1,043	62	5.6
Women, 16 years and over	30,801	25,267	2,812	2,722	8.8	10,002	9,127	875	8.7
16 to 19 years	1,276	645	320	311	24.4	1,840	1,545	294	16.0
20 years and over	29,524	24,622	2,492	2,411	8.2	8,162	7,582	581	7.1
20 to 24 years	4,982	3,842	519	620	12.5	1,380	1,221	160	11.6
25 years and over	24,543	20,780	1,972	1,791	7.3	6,782	6,361	422	6.2
25 to 54 years	20,802	17,545	1,669	1,588	7.6	5,171	4,825	345	6.7
55 years and over	3,740	3,235	304	202	5.4	1,612	1,536	76	4.7
Black									
Men, 16 years and over	5,352	3,777	398	1,177	22.0	420	318	102	24.3
16 to 19 years	213	59	33	121	56.8	140	85	55	39.1
20 years and over	5,139	3,718	385	1,058	20.5	280	233	47	16.8
20 to 24 years	918	464	124	329	35.9	64	55	9	(²)
25 years and over	4,221	3,254	242	727	17.2	216	177	39	18.1
25 to 54 years	3,683	2,813	209	661	17.9	117	96	21	17.9
55 years and over	538	441	33	66	12.3	99	81	18	18.2
Women, 16 years and over	4,833	3,472	487	894	18.5	760	643	117	15.4
16 to 19 years	151	40	27	84	55.6	152	105	47	31.1
20 years and over	4,682	3,432	440	810	17.3	608	538	70	11.5
20 to 24 years	745	405	100	240	32.3	134	107	27	20.1
25 years and over	3,937	3,028	341	549	13.9	474	430	42	8.9
25 to 54 years	3,485	2,876	276	533	15.3	331	295	34	10.3
55 years and over	452	352	65	16	3.5	143	135	8	5.6

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

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

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

(Numbers in thousands)

Family relationship	February 1983									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	109,647	63.2	97,265	12,382	11.3	63,858	32,017	10,402	2,485	18,954
Husbands	39,297	79.3	36,036	3,261	8.3	10,256	132	251	890	8,982
With employed wife	21,694	91.3	20,015	1,680	7.7	2,057	47	138	274	1,598
With unemployed wife	1,826	92.5	1,429	397	21.7	148	2	9	39	99
With wife not in labor force	15,777	66.2	14,593	1,185	7.5	8,050	83	105	577	7,285
Wives	25,725	51.9	23,751	1,974	7.7	23,827	21,010	358	318	2,142
With employed husband	21,444	59.5	20,015	1,429	6.7	14,593	13,432	294	102	765
With unemployed husband	2,076	63.7	1,680	397	19.1	1,185	1,111	24	10	39
With husband not in labor force	2,205	21.5	2,057	148	6.7	8,050	6,467	40	206	1,338
Relatives in married-couple families	13,339	59.3	10,638	2,700	20.2	9,156	864	6,666	256	1,370
16 to 19 years	4,952	47.5	3,867	1,085	21.9	5,462	111	5,065	16	270
20 to 24 years	5,414	74.2	4,402	1,012	18.7	1,878	143	1,438	28	270
25 years and over	2,973	62.1	2,369	603	20.3	1,816	610	163	212	830
Women who maintain families	5,823	59.9	5,052	772	13.3	3,892	3,009	169	141	573
Relatives in families maintained by women	4,852	56.0	3,556	1,295	26.7	3,809	796	1,781	229	1,002
16 to 19 years	1,245	41.9	817	428	34.3	1,729	87	1,419	9	213
20 to 24 years	1,563	71.8	1,084	479	30.6	614	132	312	11	159
25 years and over	2,044	58.2	1,655	388	19.0	1,466	577	50	209	630
Men who maintain families	1,818	75.9	1,564	254	14.0	577	38	37	56	446
Relatives in families maintained by men	1,427	57.3	1,101	326	22.8	1,064	430	340	51	244
16 to 19 years	274	47.6	187	87	31.9	301	20	261	-	20
20 to 24 years	443	76.0	322	121	27.3	140	46	58	-	36
25 years and over	710	53.2	592	118	16.6	623	364	21	51	188
Persons living alone	10,334	52.9	9,495	839	8.1	9,198	5,009	256	426	3,506
Men	5,437	71.4	4,864	573	10.5	2,179	156	146	158	1,718
Women	4,897	41.1	4,630	266	5.4	7,019	4,852	110	268	1,789
All others ¹	7,032	77.2	6,072	961	13.7	2,079	729	544	118	689

¹ The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total, 16 years and over	6,184	7,632	10.1	12.3	4,194	4,751	8.9	10.0
Married, spouse present	2,584	3,406	6.4	8.5	1,837	2,073	7.2	7.9
Widowed, divorced, or separated	686	945	12.3	16.6	823	1,071	8.8	11.4
Single (never married)	2,914	3,281	18.8	20.5	1,534	1,607	13.0	13.3
White, 16 years and over	4,938	6,152	9.1	11.3	3,186	3,597	7.9	8.8
Married, spouse present	2,193	2,938	6.0	8.1	1,557	1,783	6.8	7.7
Widowed, divorced, or separated	524	726	11.4	15.5	590	740	7.6	9.8
Single (never married)	2,221	2,488	16.8	18.4	1,038	1,075	10.5	10.8
Black, 16 years and over	1,117	1,278	19.7	22.1	860	1,012	16.0	18.1
Married, spouse present	334	377	11.6	13.0	190	218	9.2	10.4
Widowed, divorced, or separated	151	197	17.3	22.1	218	297	13.5	17.7
Single (never married)	633	705	33.0	35.3	451	497	26.9	27.3
Total, 25 years and over	3,611	4,852	7.4	9.8	2,433	2,926	6.8	7.9
Married, spouse present	2,238	3,033	6.0	8.0	1,447	1,622	8.4	6.9
Widowed, divorced, or separated	615	836	11.6	15.5	698	915	8.0	10.4
Single (never married)	757	983	12.7	15.2	288	389	6.6	8.5
White, 25 years and over	2,911	3,953	6.7	9.0	1,854	2,211	6.0	7.1
Married, spouse present	1,897	2,596	5.6	7.6	1,220	1,398	6.0	6.7
Widowed, divorced, or separated	460	629	10.6	14.3	485	614	6.9	8.7
Single (never married)	554	728	11.1	13.5	149	199	4.3	5.6
Black, 25 years and over	619	765	14.3	17.2	489	613	11.6	13.9
Married, spouse present	292	348	10.9	12.8	159	169	8.5	8.8
Widowed, divorced, or separated	144	185	18.9	21.6	200	269	12.9	16.7
Single (never married)	184	231	22.9	27.0	130	176	16.4	19.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total, 16 years and over	10,378	12,382	9.6	11.3	10.1	12.3	8.9	10.0
Managerial and professional specialty	690	840	2.9	3.5	(¹)	3.5	(¹)	3.4
Executive, administrative, and managerial	364	451	3.4	4.1	(¹)	3.9	(¹)	4.6
Professional specialty	326	389	2.5	2.9	(¹)	3.0	(¹)	2.8
Technical, sales, and administrative support	1,891	2,390	5.9	7.3	(¹)	6.7	(¹)	7.6
Technicians and related support	104	169	3.4	5.2	(¹)	6.6	(¹)	3.7
Sales occupations	691	958	6.0	7.9	(¹)	5.8	(¹)	10.1
Administrative support, including clerical	1,095	1,264	6.2	7.3	(¹)	8.6	(¹)	7.0
Service occupations	1,493	1,718	10.2	11.3	(¹)	11.3	(¹)	11.3
Private household	64	72	5.9	7.0	(¹)	8.9	(¹)	6.9
Protective service	124	119	7.4	6.8	(¹)	6.3	(¹)	10.2
Service, except private household and protective	1,305	1,528	10.9	12.3	(¹)	13.0	(¹)	11.9
Precision production, craft, and repair	1,530	1,972	11.6	14.4	(¹)	14.7	(¹)	11.2
Mechanics and repairers	320	441	7.3	9.7	(¹)	9.6	(¹)	13.6
Construction trades	890	1,022	19.4	20.8	(¹)	20.8	(¹)	19.2
Other precision production, craft, and repair	320	509	7.7	12.0	(¹)	12.5	(¹)	9.8
Operators, fabricators, and laborers	3,392	3,791	17.0	19.9	(¹)	20.0	(¹)	19.6
Machine operators, assemblers, and inspectors	1,572	1,814	16.1	19.6	(¹)	19.6	(¹)	19.5
Transportation and material moving occupations	676	819	14.0	16.8	(¹)	17.2	(¹)	12.4
Handlers, equipment cleaners, helpers, and laborers	1,145	1,158	21.1	23.6	(¹)	23.6	(¹)	23.9
Construction laborers	248	300	34.6	39.8	(¹)	39.4	(¹)	61.0
Other handlers, equipment cleaners, helpers, and laborers	897	859	19.1	20.7	(¹)	20.1	(¹)	23.2
Farming, forestry, and fishing	363	491	10.6	14.1	(¹)	13.9	(¹)	15.2
No previous work experience	1,017	1,064	-	-	-	-	-	-
16 to 19 years	717	752	-	-	-	-	-	-
20 to 24 years	206	210	-	-	-	-	-	-
25 years and over	93	122	-	-	-	-	-	-

¹ Data for 1982 by sex are not shown because the methodology used to produce 1982 occupational data under the new classification system was only reliable for totals.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total, 16 years and over	10,378	12,382	9.6	11.3	10.1	12.3	8.9	10.0
Nonagricultural private wage and salary workers	8,106	9,735	10.1	12.1	10.9	13.4	9.1	10.3
Mining	118	236	10.0	21.5	11.2	22.8	3.1	13.1
Construction	1,310	1,399	25.8	27.3	26.9	28.4	14.1	15.1
Manufacturing	2,586	3,151	11.4	14.3	10.4	13.9	13.5	15.2
Durable goods	1,644	2,030	12.0	15.8	11.4	16.0	13.8	15.2
Lumber and wood products	135	133	21.1	19.3	20.1	18.0	27.8	26.5
Furniture and fixtures	68	85	14.1	18.3	13.4	17.4	15.9	20.9
Stone, clay, and glass products	85	96	13.9	15.6	13.5	15.5	15.6	15.9
Primary metal industries	170	260	13.5	24.7	14.2	25.4	8.3	19.4
Fabricated metal products	218	231	13.2	16.7	11.9	17.2	16.9	15.1
Machinery, except electrical	234	445	8.2	15.9	7.8	16.8	9.8	12.7
Electrical machinery, equipment, and supplies	217	263	6.8	11.5	7.1	9.4	11.0	14.4
Transportation equipment	348	378	15.5	15.7	15.2	15.7	16.7	15.9
Automobiles	250	223	21.8	18.7	20.7	18.4	26.7	25.7
Other transportation equipment	98	153	9.0	12.1	9.3	13.2	7.5	8.1
Professional and photographic equipment	64	60	10.0	9.1	6.8	8.6	14.3	12.9
Other durable goods industries	105	81	13.2	14.8	8.6	14.8	20.1	15.2
Nondurable goods	942	1,121	10.4	12.3	8.3	10.1	13.2	15.2
Food and kindred products	226	324	12.5	16.8	9.6	12.9	20.2	24.7
Textile mill products	93	108	11.9	12.7	12.1	13.5	11.7	11.8
Apparel and other textile products	215	199	15.4	15.5	12.1	14.9	16.2	15.7
Paper and allied products	64	43	6.5	5.9	8.5	6.0	13.9	5.6
Printing and publishing	91	130	5.5	7.9	5.3	7.2	5.9	9.1
Chemicals and allied products	80	120	6.2	9.1	5.3	7.2	8.1	13.4
Rubber and miscellaneous plastics products	95	90	13.7	11.3	12.5	8.9	15.6	15.1
Other nondurable goods industries	79	106	12.3	18.4	11.0	16.8	13.8	20.4
Transportation and public utilities	388	526	6.8	9.2	7.3	10.5	5.3	5.7
Transportation	325	429	10.0	11.0	10.6	12.3	7.8	6.1
Communications and other public utilities	63	97	2.5	3.9	1.9	3.7	3.6	4.1
Wholesale and retail trade	2,010	2,453	10.1	12.0	9.5	11.2	10.8	12.9
Wholesale trade	270	380	6.7	9.0	6.2	8.3	8.0	10.6
Retail trade	1,739	2,073	11.0	12.8	10.7	12.4	11.2	13.2
Finance, insurance, and real estate	252	293	4.2	4.9	3.4	5.5	4.8	4.5
Service industries	1,442	1,677	7.4	8.2	8.5	9.4	8.7	7.5
Professional services	557	609	4.8	5.1	3.8	5.1	5.2	5.1
Other service industries	885	1,068	11.2	12.6	12.7	13.2	9.7	12.1
Agricultural wage and salary workers	257	366	18.1	21.7	17.4	21.1	21.5	24.2
Government, self-employed, and unpaid family workers	999	1,198	3.9	4.6	3.8	4.9	4.0	4.2
No previous work experience	1,017	1,084	-	-	-	-	-	-

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

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
NUMBER OF UNEMPLOYED												
Total unemployed	10,378	12,382	5,108	6,577	3,352	4,000	1,918	1,805	6,124	9,749	1,977	2,290
Job losers	6,132	7,939	3,903	5,323	1,890	2,132	540	484	4,894	6,395	1,199	1,437
On layoff	2,344	2,654	1,574	1,875	626	665	145	114	1,989	2,291	313	307
Other job losers	3,788	5,285	2,329	3,448	1,064	1,467	395	370	2,905	4,104	886	1,129
Job leavers	931	842	400	339	393	384	137	118	810	697	10	17
Reentrants	2,300	2,521	680	802	1,095	1,265	526	454	1,696	1,900	518	547
New entrants	1,015	1,079	125	111	174	220	715	749	721	755	250	289
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	59.1	64.1	76.4	80.9	50.4	53.3	28.1	26.8	60.3	65.6	60.6	62.7
On layoff	22.6	21.4	30.8	28.5	18.7	16.6	7.5	6.3	24.5	23.5	15.8	13.4
Other job losers	36.5	42.7	45.6	52.4	31.7	36.7	20.6	20.5	35.8	42.1	44.8	49.3
Job leavers	9.0	6.8	7.8	5.2	11.7	9.8	7.1	6.5	10.0	7.2	.5	.8
Reentrants	22.2	20.4	13.3	12.2	32.7	31.6	27.4	25.2	20.9	19.5	26.2	23.9
New entrants	9.8	8.7	2.5	1.7	5.2	5.5	37.3	41.5	6.9	7.7	12.6	12.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.7	7.2	6.8	9.1	4.0	4.8	6.8	6.6	5.2	8.7	10.9	12.6
Job leavers .....	.9	.8	.7	.6	.9	.9	1.7	1.8	.9	.7	.1	.2
Reentrants	2.1	2.3	1.2	1.4	2.5	2.9	6.7	6.2	1.8	2.0	4.7	4.8
New entrants .....	.9	1.0	.2	.2	.4	.5	9.1	10.2	.8	.8	2.3	2.5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	February 1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	12,382	100.0	28.3	30.9	40.8	17.9	22.9
Job losers	7,939	100.0	22.7	31.6	45.8	19.9	25.9
On layoff	2,854	100.0	30.4	34.9	34.8	16.5	18.1
Other job losers	5,285	100.0	18.8	29.9	51.3	21.6	29.8
Job leavers	842	100.0	35.0	30.4	34.8	19.1	15.5
Reentrants	2,521	100.0	39.3	30.8	29.9	13.2	16.8
New entrants	1,079	100.0	38.8	26.4	34.8	13.8	21.1
Men, 20 years and over	6,577	100.0	22.3	31.4	46.3	18.9	27.4
Job losers	5,323	100.0	19.9	32.4	47.6	20.0	27.6
On layoff	1,875	100.0	29.2	35.8	35.2	16.4	18.8
Other job losers	3,448	100.0	14.9	30.7	54.4	21.9	32.4
Job leavers	339	100.0	32.1	29.2	38.7	16.4	22.3
Reentrants	802	100.0	33.7	27.5	38.8	13.5	25.4
New entrants	111	100.0	25.0	13.6	61.4	14.9	48.5
Women, 20 years and over	4,000	100.0	34.2	29.9	35.9	16.8	19.1
Job losers	2,132	100.0	28.2	28.8	44.9	20.2	24.7
On layoff	865	100.0	30.8	32.5	36.7	17.7	19.0
Other job losers	1,487	100.0	24.1	27.2	48.7	21.4	27.3
Job leavers	384	100.0	38.4	29.4	32.2	20.8	11.6
Reentrants	1,285	100.0	44.2	31.7	24.1	10.7	13.4
New entrants	220	100.0	48.7	30.3	23.0	13.0	10.1
Both sexes, 18 to 19 years	1,805	100.0	37.1	31.4	31.6	16.8	14.8
Job losers	484	100.0	37.2	33.8	29.0	17.1	11.8
On layoff	114	100.0	49.2	37.3	13.5	11.1	2.4
Other job losers	370	100.0	33.5	32.6	33.7	19.0	14.7
Job leavers	118	100.0	32.5	37.0	30.5	22.0	8.4
Reentrants	454	100.0	35.7	34.2	30.1	19.9	10.2
New entrants	749	100.0	38.5	27.1	34.3	13.8	20.5

A-15. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total, 16 years and over	10,378	12,382	100.0	100.0	8,557	10,596	100.0	100.0
Less than 5 weeks	3,561	3,507	34.5	28.3	2,634	2,648	30.8	25.0
5 to 14 weeks	3,782	3,823	38.4	30.9	3,221	3,303	37.6	31.2
5 to 10 weeks	2,649	2,702	25.5	21.8	2,214	2,310	25.9	21.8
11 to 14 weeks	1,133	1,122	10.9	9.1	1,006	993	11.8	9.4
15 weeks and over	3,015	5,052	29.1	40.8	2,702	4,844	31.6	43.8
15 to 26 weeks	1,678	2,221	16.2	17.9	1,478	1,953	17.3	18.4
27 weeks and over	1,337	2,832	12.9	22.9	1,225	2,691	14.3	25.4
27 to 51 weeks	708	1,366	6.8	11.2	849	1,333	7.6	12.6
52 weeks and over	828	1,446	6.1	11.7	578	1,359	6.7	12.8
Average (mean) duration, in weeks	14.3	19.4	-	-	15.4	20.8	-	-
Median duration, in weeks	8.5	11.0	-	-	9.4	12.4	-	-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
	February 1983										
Total, 16 years and over	12,382	3,507	3,823	2,221	2,832	19.4	11.0	34.5	28.3	29.1	40.8
16 to 19 years	1,805	670	566	303	267	14.1	7.8	44.4	37.1	21.3	31.6
20 to 24 years	2,799	871	960	433	536	17.3	9.4	32.8	31.1	27.3	34.6
25 to 34 years	3,679	932	1,135	712	901	20.8	12.3	33.8	25.3	32.6	43.8
35 to 44 years	1,931	500	555	360	516	21.8	13.2	30.3	25.9	31.3	45.4
45 to 54 years	1,217	281	360	249	327	22.4	14.0	29.6	23.1	31.7	47.4
55 to 64 years	622	205	221	151	245	22.7	13.8	31.2	25.0	33.3	48.2
65 years and over	128	49	27	14	39	21.0	10.0	40.4	37.9	33.8	41.1
Men, 16 years and over	7,632	1,820	2,394	1,430	1,987	21.4	12.8	31.1	23.8	31.2	44.8
16 to 19 years	1,055	351	332	185	186	15.7	9.2	42.6	33.3	22.2	35.2
20 to 24 years	1,725	445	597	288	396	19.5	10.8	29.5	25.8	29.4	39.6
25 to 34 years	2,331	507	715	471	839	22.5	14.0	29.3	21.7	34.4	47.6
35 to 44 years	1,130	218	352	212	350	24.6	14.9	24.8	19.1	34.2	49.7
45 to 54 years	775	161	237	164	212	23.0	14.4	27.9	20.8	35.6	48.6
55 to 64 years	523	108	143	101	172	24.2	16.3	29.4	20.6	33.3	52.1
65 years and over	93	32	18	9	33	22.8	10.7	(¹)	34.9	(¹)	45.3
Women, 16 years and over	4,751	1,687	1,429	790	645	16.3	8.8	39.5	35.5	25.9	34.4
16 to 19 years	750	319	233	117	81	11.7	6.3	46.4	42.5	20.2	26.4
20 to 24 years	1,074	426	363	145	140	13.8	7.1	38.2	39.6	23.8	26.6
25 to 34 years	1,348	425	420	240	262	17.2	9.9	40.9	31.6	29.6	37.3
35 to 44 years	602	284	203	148	167	17.9	10.0	37.0	35.4	27.7	39.3
45 to 54 years	442	120	123	85	115	21.3	13.4	32.0	27.0	26.5	45.2
55 to 64 years	299	97	78	50	73	20.1	9.5	34.2	32.6	33.2	41.3
65 years and over	35	16	9	4	6	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	9,749	2,818	3,101	1,796	2,036	18.3	10.6	34.1	28.9	27.7	39.3
Men	6,152	1,496	1,996	1,173	1,487	20.2	12.2	30.3	24.3	29.5	43.2
Women	3,597	1,319	1,105	623	549	15.0	8.5	39.9	36.7	24.8	32.6
Black, 16 years and over	2,290	577	627	373	713	24.0	12.6	35.0	25.2	35.7	47.4
Men	1,278	270	339	224	445	26.7	15.6	33.8	21.1	39.5	52.3
Women	1,012	307	288	149	267	20.7	9.3	36.6	30.3	30.8	41.2
Men, 16 years and over:											
Married, spouse present	3,408	710	1,094	676	926	22.0	13.8	27.7	20.9	32.2	47.0
Widowed, divorced, or separated	945	227	261	167	289	23.8	14.2	26.7	24.0	37.2	48.3
Single (never married)	3,281	662	1,039	588	772	20.0	11.3	35.1	26.9	28.8	41.5
Women, 16 years and over:											
Married, spouse present	2,073	786	571	346	370	15.7	8.7	40.4	37.9	24.4	34.8
Widowed, divorced, or separated	1,071	354	320	176	219	17.6	9.8	33.4	33.0	32.8	37.1
Single (never married)	1,607	547	536	266	256	15.9	6.3	41.8	34.1	24.2	32.5

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	February 1983							Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
OCCUPATION											
Managerial and professional specialty	840	213	267	193	168	19.0	12.1	31.1	25.3	32.7	42.9
Technical, sales, and administrative support	2,390	744	716	435	496	18.2	10.1	36.7	31.1	27.1	39.0
Service occupations	1,718	588	499	262	369	18.0	9.9	37.5	34.2	28.4	36.8
Precision production, craft, and repair	1,972	477	692	340	464	19.8	11.4	29.0	24.2	28.1	40.8
Operators, fabricators, and laborers	3,791	899	1,139	741	1,012	21.7	13.3	32.0	23.7	32.7	46.3
Farming, forestry, and fishing	491	148	194	91	57	14.6	9.3	29.7	30.2	20.8	30.3
INDUSTRY¹											
Agriculture	366	116	147	70	32	13.2	9.1	36.6	31.7	15.6	28.0
Construction	1,450	370	573	228	278	18.3	10.4	28.4	25.5	26.8	34.9
Manufacturing	3,157	678	823	638	1,020	24.2	16.5	30.1	21.5	34.5	52.5
Durable goods	2,032	363	470	437	761	26.4	20.0	29.1	17.9	34.5	59.0
Nondurable goods	1,125	314	353	199	259	20.2	10.8	31.7	27.9	34.8	40.7
Transportation and public utilities	584	136	219	89	141	19.5	10.9	35.2	23.2	30.3	39.3
Wholesale and retail trade	2,465	826	774	414	451	16.9	9.1	38.8	33.5	22.7	35.1
Finance and service industries	2,409	722	729	467	490	17.8	10.6	36.3	30.0	31.3	39.7
Public administration	355	81	107	65	102	25.2	14.1	19.5	22.9	49.4	47.1
No previous work experience	1,084	421	288	149	228	17.3	8.1	46.4	36.8	23.8	34.8

¹ Includes wage and salary workers only.

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

Sex, age, and race	February 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	12,382	9,621	24.5	5.1	79.1	34.6	16.1	5.0	1.64
16 to 19 years	1,805	1,880	14.4	3.4	82.8	27.3	11.3	3.7	1.43
20 to 24 years	2,799	2,245	28.9	4.0	80.9	33.6	14.7	3.3	1.63
25 to 34 years	3,679	2,727	27.7	5.8	78.9	37.4	17.0	4.7	1.71
35 to 44 years	1,931	1,405	27.3	6.6	78.9	37.2	20.4	5.1	1.76
45 to 54 years	1,217	867	24.2	4.6	75.5	37.7	17.9	9.6	1.70
55 to 64 years	822	590	25.4	9.0	71.2	36.6	18.6	10.2	1.71
65 years and over	128	107	12.1	2.8	84.5	29.0	15.0	6.5	1.30
Men, 16 years and over	7,632	5,629	27.2	4.8	79.9	32.5	18.3	6.1	1.69
16 to 19 years	1,055	978	16.2	3.3	82.0	26.7	13.1	2.7	1.44
20 to 24 years	1,725	1,332	30.4	4.0	82.5	28.9	17.3	3.8	1.67
25 to 34 years	2,331	1,607	30.8	4.5	80.7	36.2	19.3	5.4	1.77
35 to 44 years	1,130	756	29.5	6.2	79.2	35.7	24.5	7.3	1.82
45 to 54 years	775	522	27.2	4.8	77.6	36.4	17.6	12.5	1.76
55 to 64 years	523	355	29.0	10.4	69.0	34.1	20.3	14.4	1.77
65 years and over	93	79	12.7	2.5	60.8	27.8	17.7	8.9	1.30
Women, 16 years and over	4,751	3,992	20.7	5.5	78.1	37.8	13.0	3.6	1.58
16 to 19 years	750	702	12.1	3.6	83.9	28.2	8.8	5.0	1.42
20 to 24 years	1,074	913	21.7	3.9	78.5	40.4	10.7	2.5	1.58
25 to 34 years	1,348	1,120	23.6	7.1	76.3	39.2	13.7	3.7	1.64
35 to 44 years	802	649	25.0	7.1	78.4	39.1	15.7	2.3	1.68
45 to 54 years	442	346	19.9	4.3	72.3	39.6	18.2	5.2	1.60
55 to 64 years	299	235	20.0	6.8	74.0	40.4	16.6	3.8	1.62
65 years and over	35	28	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	9,749	7,363	24.0	5.0	78.8	36.8	16.3	5.2	1.66
Men	6,152	4,404	26.5	4.7	79.4	34.2	18.4	6.5	1.70
Women	3,597	2,959	20.3	5.5	77.8	40.6	13.0	3.3	1.61
Black, 16 years and over	2,290	1,982	26.5	5.4	80.7	14.5	27.0	4.5	1.59
Men	1,278	1,068	30.4	5.2	81.9	16.6	26.3	4.4	1.65
Women	1,012	914	22.0	5.7	79.4	12.1	27.9	4.6	1.52

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days

are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Sex and reason	February 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	12,382	9,621	24.5	5.1	79.1	34.6	16.1	5.0	1.64
Job losers ¹	7,939	5,280	30.5	6.0	80.0	35.8	17.9	5.6	1.78
Job leavers	842	864	23.3	6.3	77.1	38.5	14.8	3.7	1.64
Reentrants	2,521	2,399	18.5	3.6	75.9	35.5	15.0	5.2	1.52
New entrants	1,079	1,078	13.8	2.6	83.4	24.9	10.8	3.0	1.38
Men, 16 years and over	7,632	5,829	27.2	4.8	79.9	32.5	18.3	6.1	1.69
Job losers ¹	5,638	3,677	31.9	5.6	80.1	33.7	19.8	6.6	1.78
Job leavers	390	409	24.4	2.4	78.3	35.0	19.3	5.1	1.63
Reentrants	1,067	1,008	19.5	4.3	78.0	31.8	16.5	6.2	1.56
New entrants	536	535	11.8	1.7	84.1	24.1	10.8	3.4	1.36
Women, 16 years and over	4,751	3,992	20.7	5.5	78.1	37.6	13.0	3.6	1.58
Job losers ¹	2,301	1,603	27.4	7.0	79.7	39.9	13.5	3.4	1.71
Job leavers	452	455	22.2	9.7	78.0	41.8	10.8	2.4	1.65
Reentrants	1,454	1,392	14.4	3.0	74.3	38.1	14.1	4.5	1.48
New entrants	543	543	15.7	3.7	82.7	25.6	10.3	2.6	1.41

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

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

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

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

(In thousands)

Industry and age	Total		Men		Women	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
All industries	97,946	97,265	55,269	54,311	42,677	42,953
16 to 19 years	5,937	5,539	3,049	2,805	2,889	2,734
16 to 17 years	2,248	1,937	1,157	996	1,088	940
18 to 19 years	3,692	3,603	1,891	1,809	1,800	1,794
20 to 24 years	13,342	13,036	6,966	8,709	6,376	6,327
25 to 54 years	64,608	64,659	36,842	36,511	27,766	28,148
25 to 34 years	28,089	27,823	15,887	15,560	12,202	12,263
35 to 44 years	20,603	21,304	11,723	11,988	8,881	9,318
45 to 54 years	15,916	15,532	9,232	8,983	6,684	6,570
55 to 64 years	11,218	11,198	6,674	6,594	4,544	4,604
55 to 59 years	6,932	6,706	4,128	3,960	2,804	2,746
60 to 64 years	4,286	4,492	2,546	2,634	1,740	1,858
65 years and over	2,841	2,832	1,739	1,892	1,102	1,139
Agriculture	2,853	2,865	2,351	2,319	501	546
16 to 19 years	208	207	183	166	25	40
16 to 17 years	107	83	92	68	15	15
18 to 19 years	101	124	90	98	11	26
20 to 24 years	316	360	260	300	56	60
25 to 54 years	1,608	1,627	1,282	1,273	326	354
25 to 34 years	673	692	534	552	139	140
35 to 44 years	482	535	389	411	93	124
45 to 54 years	453	400	359	309	94	91
55 to 64 years	452	426	385	367	67	59
55 to 59 years	232	226	197	191	35	35
60 to 64 years	220	200	187	175	32	25
65 years and over	269	246	243	214	26	31
Nonagricultural industries	95,093	94,399	52,918	51,992	42,176	42,407
16 to 19 years	5,729	5,333	2,866	2,639	2,863	2,694
16 to 17 years	2,138	1,854	1,065	928	1,073	926
18 to 19 years	3,591	3,479	1,801	1,711	1,790	1,768
20 to 24 years	13,026	12,676	6,706	6,409	6,320	6,267
25 to 54 years	63,001	63,033	35,560	35,238	27,440	27,794
25 to 34 years	27,415	27,131	15,352	15,007	12,063	12,123
35 to 44 years	20,122	20,769	11,334	11,577	8,788	9,193
45 to 54 years	15,463	15,133	8,874	8,654	6,590	6,479
55 to 64 years	10,766	10,772	6,289	6,228	4,477	4,544
55 to 59 years	6,699	6,479	3,931	3,769	2,769	2,711
60 to 64 years	4,066	4,292	2,358	2,459	1,708	1,834
65 years and over	2,572	2,586	1,497	1,478	1,076	1,108

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total	97,946	97,265	55,269	54,311	52,221	51,508	42,677	42,953	39,788	40,219
Managerial and professional specialty	23,106	23,415	(1)	13,819	(1)	13,760	(1)	9,597	(1)	9,502
Executive, administrative, and managerial	10,443	10,471	(1)	7,112	(1)	7,086	(1)	3,359	(1)	3,322
Officials and administrators, public administration	(1)	484	(1)	297	(1)	295	(1)	166	(1)	163
Other executive, administrative, and managerial	(1)	7,136	(1)	5,107	(1)	5,083	(1)	2,029	(1)	2,003
Management-related occupations	(1)	2,871	(1)	1,708	(1)	1,707	(1)	1,163	(1)	1,156
Professional specialty	12,663	12,944	(1)	6,707	(1)	6,674	(1)	6,238	(1)	6,179
Engineers	(1)	1,489	(1)	1,398	(1)	1,398	(1)	91	(1)	91
Mathematical and computer scientists	(1)	445	(1)	312	(1)	312	(1)	132	(1)	132
Natural scientists	(1)	418	(1)	329	(1)	329	(1)	89	(1)	89
Health diagnosing occupations	(1)	787	(1)	674	(1)	673	(1)	113	(1)	113
Health assessment and treating occupations	(1)	1,830	(1)	282	(1)	282	(1)	1,548	(1)	1,544
Teachers, college and university	(1)	640	(1)	400	(1)	400	(1)	240	(1)	232
Teachers, except college and university	(1)	3,671	(1)	1,097	(1)	1,086	(1)	2,574	(1)	2,556
Lawyers and judges	(1)	606	(1)	513	(1)	512	(1)	94	(1)	94
Other professional specialty occupations	(1)	3,080	(1)	1,703	(1)	1,682	(1)	1,356	(1)	1,329
Technical, sales, and administrative support	30,349	30,394	(1)	10,588	(1)	10,109	(1)	19,806	(1)	18,405
Technicians and related support	2,971	3,075	(1)	1,589	(1)	1,572	(1)	1,486	(1)	1,465
Health technologists and technicians	(1)	1,162	(1)	183	(1)	182	(1)	979	(1)	966
Engineering and science technicians	(1)	1,055	(1)	812	(1)	803	(1)	243	(1)	237
Technicians, except health, engineering, and science	(1)	858	(1)	594	(1)	588	(1)	264	(1)	262
Sales occupations	10,648	11,213	(1)	5,894	(1)	5,574	(1)	5,320	(1)	4,576
Supervisors and proprietors	(1)	2,706	(1)	1,974	(1)	1,955	(1)	732	(1)	719
Sales representatives, finance and business services	(1)	1,799	(1)	1,138	(1)	1,131	(1)	661	(1)	651
Sales representatives, commodities, except retail	(1)	1,440	(1)	1,240	(1)	1,230	(1)	199	(1)	193
Sales workers, retail and personal services	(1)	5,226	(1)	1,530	(1)	1,245	(1)	3,697	(1)	2,983
Sales-related occupations	(1)	42	(1)	12	(1)	13	(1)	30	(1)	30
Administrative support, including clerical	16,530	16,106	(1)	3,106	(1)	2,963	(1)	13,000	(1)	12,364
Supervisors	(1)	671	(1)	330	(1)	328	(1)	342	(1)	342
Computer equipment operators	(1)	559	(1)	186	(1)	177	(1)	372	(1)	350
Secretaries, stenographers, and typists	(1)	4,780	(1)	87	(1)	79	(1)	4,673	(1)	4,455
Financial records processing	(1)	2,500	(1)	249	(1)	247	(1)	2,251	(1)	2,207
Mail and message distributing	(1)	766	(1)	501	(1)	482	(1)	265	(1)	242
Other administrative support, including clerical	(1)	6,850	(1)	1,753	(1)	1,650	(1)	5,098	(1)	4,768
Service occupations	13,216	13,491	(1)	5,386	(1)	4,542	(1)	8,105	(1)	7,092
Private household	1,024	953	(1)	36	(1)	20	(1)	917	(1)	687
Protective service	1,549	1,628	(1)	1,431	(1)	1,399	(1)	196	(1)	192
Service, except private household and protective	10,643	10,910	(1)	3,919	(1)	3,123	(1)	6,992	(1)	6,213
Food service	(1)	4,622	(1)	1,650	(1)	1,126	(1)	2,972	(1)	2,425
Health service	(1)	1,745	(1)	206	(1)	188	(1)	1,539	(1)	1,433
Cleaning and building service	(1)	2,675	(1)	1,656	(1)	1,474	(1)	1,019	(1)	965
Personal service	(1)	1,868	(1)	407	(1)	334	(1)	1,461	(1)	1,369
Precision production, craft, and repair	11,605	11,712	(1)	10,817	(1)	10,562	(1)	895	(1)	877
Mechanics and repairers	4,059	4,082	(1)	3,958	(1)	3,868	(1)	125	(1)	123
Construction trades	3,696	3,893	(1)	3,815	(1)	3,717	(1)	79	(1)	73
Other precision production, craft, and repair	3,850	3,736	(1)	3,045	(1)	2,977	(1)	692	(1)	681
Operators, fabricators, and laborers	16,600	15,262	(1)	11,152	(1)	10,185	(1)	4,110	(1)	3,942
Machine operators, assemblers, and inspectors	8,164	7,462	(1)	4,283	(1)	4,114	(1)	3,179	(1)	3,083
Manufacturing industries	(1)	6,291	(1)	3,539	(1)	3,432	(1)	2,752	(1)	2,686
Durable goods	(1)	3,333	(1)	2,208	(1)	2,146	(1)	1,125	(1)	1,107
Nondurable goods	(1)	2,958	(1)	1,331	(1)	1,287	(1)	1,628	(1)	1,579
Nonmanufacturing industries	(1)	1,170	(1)	744	(1)	681	(1)	426	(1)	397
Transportation and material moving occupations	4,158	4,053	(1)	3,713	(1)	3,592	(1)	340	(1)	327
Motor vehicle operators	(1)	2,936	(1)	2,650	(1)	2,557	(1)	286	(1)	273
Other transportation and material moving occupations	(1)	1,117	(1)	1,063	(1)	1,035	(1)	54	(1)	53
Handlers, equipment cleaners, helpers, and laborers	4,280	3,747	(1)	3,156	(1)	2,480	(1)	591	(1)	532
Construction laborers	470	453	(1)	448	(1)	405	(1)	5	(1)	5
Other handlers, equipment cleaners, helpers, and laborers	3,810	3,294	(1)	2,708	(1)	2,075	(1)	585	(1)	527
Farming, forestry, and fishing	3,053	2,986	(1)	2,547	(1)	2,349	(1)	439	(1)	399
Farm operators and managers	(1)	1,324	(1)	1,182	(1)	1,173	(1)	142	(1)	142
Other farming, forestry, and fishing occupations	(1)	1,663	(1)	1,365	(1)	1,177	(1)	298	(1)	257

¹ Data for 1982 by sex, age, and detail below occupational group totals are not shown because the methodology used to produce 1982 occupational data under the new classification system was only reliable for totals.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	February 1982	February 1983	February 1982	February 1983	February 1982	February 1983
TOTAL						
Total, 16 years and over (thousands)	97,946	97,265	55,269	54,311	42,677	42,953
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.6	24.1	(1)	25.4	(1)	22.3
Executive, administrative, and managerial	10.7	10.8	(1)	13.1	(1)	7.8
Professional specialty	12.9	13.3	(1)	12.3	(1)	14.5
Technical, sales, and administrative support	31.0	31.3	(1)	19.5	(1)	46.1
Technicians and related support	3.0	3.2	(1)	2.9	(1)	3.5
Sales occupations	11.1	11.5	(1)	10.9	(1)	12.4
Administrative support, including clerical	16.9	16.6	(1)	5.7	(1)	30.3
Service occupations	13.5	13.9	(1)	9.9	(1)	18.9
Private household	1.0	1.0	(1)	.1	(1)	2.1
Protective service	1.6	1.7	(1)	2.6	(1)	.5
Service, except private household and protective	10.9	11.2	(1)	7.2	(1)	16.3
Precision production, craft, and repair	11.9	12.0	(1)	19.9	(1)	2.1
Operators, fabricators, and laborers	17.0	15.7	(1)	20.5	(1)	9.6
Machine operators, assemblers, and inspectors	8.3	7.7	(1)	7.9	(1)	7.4
Transportation and material moving occupations	4.2	4.2	(1)	6.8	(1)	.8
Handlers, equipment cleaners, helpers, and laborers	4.4	3.9	(1)	5.8	(1)	1.4
Farming, forestry, and fishing	3.1	3.1	(1)	4.7	(1)	1.0
White						
Total, 16 years and over (thousands)	86,492	85,819	49,402	48,413	37,091	37,206
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	(1)	25.0	(1)	26.5	(1)	23.1
Executive, administrative, and managerial	(1)	11.4	(1)	13.8	(1)	8.2
Professional specialty	(1)	13.7	(1)	12.7	(1)	14.9
Technical, sales, and administrative support	(1)	31.9	(1)	19.9	(1)	47.5
Technicians and related support	(1)	3.2	(1)	3.0	(1)	3.5
Sales occupations	(1)	12.2	(1)	11.5	(1)	13.1
Administrative support, including clerical	(1)	16.6	(1)	5.5	(1)	30.9
Service occupations	(1)	12.6	(1)	8.9	(1)	17.4
Private household	(1)	.8	(1)	.1	(1)	1.7
Protective service	(1)	1.6	(1)	2.5	(1)	.4
Service, except private household and protective	(1)	10.2	(1)	6.3	(1)	15.3
Precision production, craft, and repair	(1)	12.4	(1)	20.4	(1)	2.0
Operators, fabricators, and laborers	(1)	14.9	(1)	19.6	(1)	8.8
Machine operators, assemblers, and inspectors	(1)	7.2	(1)	7.6	(1)	6.7
Transportation and material moving occupations	(1)	4.0	(1)	6.5	(1)	.8
Handlers, equipment cleaners, helpers, and laborers	(1)	3.6	(1)	5.4	(1)	1.3
Farming, forestry, and fishing	(1)	3.1	(1)	4.6	(1)	1.1
Black						
Total, 16 years and over (thousands)	9,060	9,076	4,556	4,494	4,504	4,582
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	(1)	14.4	(1)	13.4	(1)	15.3
Executive, administrative, and managerial	(1)	5.3	(1)	6.3	(1)	4.3
Professional specialty	(1)	9.1	(1)	7.2	(1)	11.0
Technical, sales, and administrative support	(1)	25.7	(1)	14.6	(1)	36.6
Technicians and related support	(1)	2.8	(1)	2.2	(1)	3.4
Sales occupations	(1)	5.9	(1)	4.9	(1)	6.9
Administrative support, including clerical	(1)	17.0	(1)	7.6	(1)	26.2
Service occupations	(1)	24.8	(1)	18.6	(1)	30.9
Private household	(1)	2.8	(1)	.1	(1)	5.4
Protective service	(1)	2.5	(1)	4.2	(1)	.8
Service, except private household and protective	(1)	19.5	(1)	14.2	(1)	24.7
Precision production, craft, and repair	(1)	8.9	(1)	16.0	(1)	2.1
Operators, fabricators, and laborers	(1)	23.2	(1)	32.0	(1)	14.5
Machine operators, assemblers, and inspectors	(1)	11.2	(1)	10.7	(1)	11.7
Transportation and material moving occupations	(1)	5.8	(1)	10.8	(1)	.8
Handlers, equipment cleaners, helpers, and laborers	(1)	6.2	(1)	10.5	(1)	2.1
Farming, forestry, and fishing	(1)	2.9	(1)	5.3	(1)	.6

¹ Data for 1982 by sex and race are not shown because the methodology used to produce 1982 occupational data under the new

classification system was only reliable for totals.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	February 1983								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,780	1,158	15,749	69,873	7,304	315	1,317	1,390	158
16 to 19 years	5,220	298	378	4,546	85	28	160	8	39
16 to 17 years	1,796	210	106	1,480	44	14	56	3	24
18 to 19 years	3,423	88	269	3,068	41	14	105	5	14
20 to 24 years	12,343	127	1,276	10,940	314	19	283	62	15
25 to 34 years	25,272	140	4,525	20,607	1,803	56	388	277	27
35 to 44 years	18,788	147	4,080	14,561	1,898	84	211	303	21
45 to 54 years	13,612	139	3,082	10,391	1,457	63	130	248	22
55 to 64 years	9,515	186	2,085	7,235	1,206	51	113	295	18
55 to 59 years	5,790	83	1,326	4,382	864	26	72	142	12
60 to 64 years	3,725	104	769	2,853	542	25	41	153	6
65 years and over	2,030	121	315	1,594	542	14	32	198	18
Men, 16 years and over	46,943	142	7,599	39,202	5,002	48	1,057	1,210	52
16 to 19 years	2,556	64	158	2,334	60	23	124	7	35
16 to 17 years	882	49	47	788	34	12	44	3	22
18 to 19 years	1,674	15	111	1,548	26	12	80	4	13
20 to 24 years	6,202	14	539	5,649	201	8	238	54	7
25 to 34 years	13,802	17	2,097	11,689	1,197	8	310	239	4
35 to 44 years	10,284	12	1,946	8,326	1,290	3	163	248	-
45 to 54 years	7,633	7	1,611	6,015	1,019	2	99	207	2
55 to 64 years	5,360	7	1,079	4,274	885	3	96	270	1
55 to 59 years	3,281	5	658	2,618	486	2	59	132	-
60 to 64 years	2,079	3	420	1,656	379	1	36	138	1
65 years and over	1,105	21	170	914	370	3	28	185	1
Women, 16 years and over	39,837	1,016	8,150	30,871	2,303	267	260	180	106
16 to 19 years	2,663	234	218	2,212	25	5	36	1	4
18 to 17 years	914	161	59	694	9	2	12	-	3
18 to 19 years	1,749	73	159	1,517	18	3	24	1	1
20 to 24 years	6,142	114	737	5,291	112	13	45	8	7
25 to 34 years	11,470	123	2,428	8,918	606	47	79	38	23
35 to 44 years	8,503	134	2,134	6,235	608	81	47	55	22
45 to 54 years	5,979	132	1,471	4,375	438	62	31	41	19
55 to 64 years	4,155	179	1,016	2,960	341	48	17	25	17
55 to 59 years	2,509	78	667	1,764	178	23	13	10	12
60 to 64 years	1,648	101	349	1,197	163	24	4	15	5
65 years and over	925	100	145	680	171	11	4	12	15

A-24. Employed civilians by industry and occupation

(In thousands)

Industry	February 1983												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	2,865	30	55	31	1	96	-	15	50	13	33	14	2,527
Mining	894	126	105	48	13	83	-	13	314	33	128	30	-
Construction	5,312	649	134	44	69	381	-	32	3,048	98	344	511	2
Manufacturing	19,446	1,998	1,449	742	664	2,390	-	385	3,729	6,291	788	922	89
Durable goods	11,256	1,196	936	541	239	1,353	-	206	2,580	3,333	395	387	89
Nondurable goods	8,190	802	513	201	425	1,037	-	178	1,150	2,958	393	535	-
Transportation and public utilities	6,875	648	380	194	275	1,892	-	266	1,187	94	1,498	423	16
Wholesale and retail trade	20,071	1,705	386	73	8,152	2,140	-	3,751	1,350	226	781	1,485	21
Wholesale trade	4,223	518	89	41	1,626	836	-	47	324	94	387	249	13
Retail trade	15,848	1,186	297	32	6,526	1,304	-	3,703	1,026	133	393	1,236	8
Finance, insurance, and real estate	6,393	1,362	175	112	1,460	2,794	-	291	131	12	6	19	34
Services	30,780	3,039	9,630	1,638	557	5,001	953	6,692	1,657	648	433	281	248
Private households	1,158	-	11	22	2	7	953	50	5	3	9	54	40
Other service industries	29,622	3,039	9,619	1,617	555	4,994	-	6,642	1,652	646	424	226	208
Professional services	21,079	1,747	8,816	1,380	119	3,839	-	4,154	411	204	256	80	72
Public administration	4,628	914	630	193	22	1,330	-	1,092	245	46	43	63	49

¹ Includes protective service, not shown separately. estimation procedures.

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

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Feb. 1982	Feb. 1983	Total		Wage and salary workers ¹			
			Feb. 1982	Feb. 1983	Paid absences		Unpaid absences	
					Feb. 1982	Feb. 1983	Feb. 1982	Feb. 1983
Total, 16 years and over	4,059	4,128	3,845	3,913	1,496	1,511	1,676	1,732
Vacation	1,096	1,182	1,048	1,137	660	735	228	263
Illness	1,492	1,442	1,464	1,403	608	587	702	671
Bad weather	396	348	302	267	(²)	(²)	(²)	(²)
Industrial dispute	17	107	17	108	(²)	(²)	(²)	(²)
All other reasons	1,058	1,049	1,015	997	228	188	745	798
Men, 16 years and over	2,297	2,317	2,097	2,129	851	895	805	790
Vacation	652	693	605	658	402	483	101	95
Illness	779	730	756	695	328	301	341	315
All other reasons ³	665	893	737	776	121	111	363	379
Women, 16 years and over	1,761	1,811	1,748	1,784	645	613	871	941
Vacation	444	489	443	479	258	251	128	167
Illness	713	711	709	708	279	286	361	355
All other reasons ³	605	611	597	597	108	76	382	419

¹ Excludes private household workers.

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

³ Includes bad weather and industrial dispute, not shown separately.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Hours of work	February 1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	93,137	2,651	90,486	100.0	100.0	100.0
1-34 hours	27,683	1,012	26,672	29.7	38.2	29.5
1-4 hours	958	51	907	1.0	1.9	1.0
5-14 hours	5,214	282	4,932	5.8	10.6	5.5
15-29 hours	12,696	459	12,238	13.6	17.3	13.5
30-34 hours	8,815	220	8,595	9.5	8.3	9.5
35 hours and over	65,452	1,639	63,815	70.3	61.8	70.5
35-39 hours	6,921	122	6,799	7.4	4.6	7.5
40 hours	37,286	459	36,828	40.0	17.3	40.7
41 hours and over	21,245	1,058	20,188	22.8	39.9	22.3
41 to 48 hours	8,379	211	8,168	9.0	8.0	9.0
49 to 59 hours	7,445	356	7,089	8.0	13.4	7.8
60 hours and over	5,421	491	4,931	5.8	18.5	5.4
Average hours, total at work	37.2	39.4	37.1	-	-	-
Average hours, workers on full-time schedules	42.1	46.1	42.0	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	February 1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	27,683	10,111	17,572	26,672	9,638	17,033
Economic reasons	6,383	2,251	4,132	6,195	2,175	4,020
Slack work	3,354	1,995	1,359	3,239	1,931	1,308
Material shortages or repairs to plant and equipment	58	58	-	56	56	-
New job started during week	122	122	-	115	115	-
Job terminated during week	77	77	-	74	74	-
Could find only part-time work	2,773	-	2,773	2,712	-	2,712
Other reasons	21,302	7,861	13,441	20,476	7,463	13,013
Does not want, or unavailable for, full-time work	11,213	-	11,213	10,936	-	10,936
Vacation	770	770	-	765	765	-
Illness	2,199	2,057	142	2,150	2,013	137
Bad weather	3,021	3,021	-	2,833	2,833	-
Industrial dispute	28	28	-	28	28	-
Legal or religious holiday	669	669	-	669	669	-
Full time for this job	1,423	-	1,423	1,383	-	1,383
All other reasons	1,977	1,315	662	1,712	1,155	557
Average hours:						
Economic reasons	21.7	24.5	20.1	21.8	24.6	20.3
Other reasons	21.4	27.2	18.0	21.5	27.5	18.0
Worked 30 to 34 hours:						
Economic reasons	1,934	1,031	903	1,902	1,010	892
Other reasons	6,881	4,784	2,097	6,693	4,655	2,038

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	February 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	90,488	6,195	13,013	71,278	51,090	8,168	12,020	37.1	42.0
Wage and salary workers	83,479	5,496	11,887	66,296	48,682	7,659	9,955	37.0	41.8
Mining	818	51	15	752	182	101	185	43.5	45.4
Construction	3,927	387	184	3,356	2,812	293	451	37.4	40.4
Manufacturing	18,357	1,001	851	16,705	12,575	2,197	1,933	39.8	41.2
Durable goods	10,593	456	241	9,896	7,486	1,264	1,146	40.2	41.2
Nondurable goods	7,763	544	410	8,809	5,090	933	786	38.8	41.1
Transportation and public utilities	6,172	257	313	5,602	4,070	614	918	40.2	42.2
Wholesale and retail trade	17,395	1,827	4,082	11,486	7,808	1,732	2,146	34.7	42.5
Finance, insurance, and real estate	5,732	159	500	5,073	3,880	517	676	38.4	40.8
Service industries	26,647	1,730	5,691	19,226	14,186	1,833	3,207	35.1	41.6
Private households	1,103	192	564	347	251	29	67	22.4	43.8
All other industries	25,544	1,538	5,127	18,879	13,935	1,804	3,140	35.7	41.6
Public administration	4,432	82	251	4,099	3,289	371	439	38.9	40.4
Self-employed workers	8,692	680	1,216	4,796	2,298	489	2,009	38.8	47.4
Unpaid family workers	315	18	110	187	110	20	57	36.2	45.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	February 1983							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	90,486	6,195	13,013	71,278	51,090	20,188	37.1	42.0
16 to 19 years	5,169	637	3,099	1,433	1,209	224	22.0	39.3
18 to 17 years	1,785	82	1,588	115	104	11	14.5	37.6
18 to 19 years	3,384	558	1,511	1,317	1,105	212	28.0	39.5
20 years and over	85,317	5,559	9,915	69,843	49,879	19,964	38.1	42.0
20 to 24 years	12,259	1,265	2,149	8,845	6,779	2,066	34.9	40.8
25 years and over	73,058	4,293	7,785	61,000	43,103	17,897	38.8	42.2
25 to 44 years	46,117	2,855	4,177	39,085	27,256	11,829	39.0	42.3
45 to 64 years	24,574	1,290	2,451	20,833	15,052	5,781	38.8	42.1
65 years and over	2,367	148	1,137	1,082	795	287	28.5	42.3
Men, 18 years and over	49,863	2,874	3,969	43,020	28,050	14,970	40.0	43.3
16 to 19 years	2,570	290	1,510	770	618	152	23.1	40.0
16 to 17 years	913	42	804	67	58	9	15.2	(¹)
18 to 19 years	1,657	247	706	704	562	142	27.5	40.2
20 years and over	47,293	2,584	2,460	42,249	27,431	14,818	40.9	43.4
20 to 24 years	6,232	639	912	4,681	3,300	1,381	36.2	41.9
25 years and over	41,061	1,944	1,548	37,569	24,132	13,437	41.6	43.5
25 to 44 years	25,614	1,314	576	23,724	14,947	8,777	42.1	43.7
45 to 64 years	14,114	565	406	13,143	8,710	4,433	41.8	43.3
65 years and over	1,333	66	567	700	472	228	30.8	43.3
Women, 18 years and over	40,623	3,321	9,044	28,258	23,041	5,217	33.6	39.9
16 to 19 years	2,599	347	1,589	663	591	72	20.9	38.5
16 to 17 years	872	39	783	50	47	3	13.6	(¹)
18 to 19 years	1,727	308	806	613	543	70	24.6	38.6
20 years and over	38,024	2,974	7,455	27,595	22,450	5,145	34.5	40.0
20 to 24 years	6,027	625	1,237	4,165	3,479	686	33.4	39.7
25 years and over	31,997	2,349	6,218	23,430	18,970	4,460	34.7	40.0
25 to 44 years	20,503	1,541	3,601	15,361	12,309	3,052	35.1	40.1
45 to 64 years	10,462	725	2,045	7,692	6,344	1,348	34.7	39.9
65 years and over	1,034	83	571	380	321	59	25.6	40.4
RACE								
White, 16 years and over	79,847	5,208	11,901	62,540	43,791	18,749	37.3	42.2
Men	44,456	2,428	3,604	38,426	24,400	14,026	40.3	43.6
Women	35,191	2,779	8,296	24,116	19,394	4,722	33.5	40.1
Black, 16 years and over	8,400	840	816	6,744	5,772	972	35.8	39.7
Men	4,092	376	251	3,465	2,836	629	37.4	40.5
Women	4,308	465	565	3,278	2,935	343	34.3	38.8
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	33,745	1,399	1,107	31,239	19,843	11,396	42.0	43.6
Widowed, divorced, or separated	4,320	347	200	3,773	2,443	1,330	40.6	43.5
Single (never married)	11,798	1,128	2,663	8,007	5,762	2,245	34.2	41.9
Women, 16 years and over:								
Married, spouse present	22,613	1,714	5,262	15,637	12,985	2,652	33.6	39.7
Widowed, divorced, or separated	7,925	703	1,000	6,222	4,921	1,301	36.0	40.3
Single (never married)	10,085	904	2,782	6,399	5,133	1,266	31.8	40.2

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	February 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	90,362	6,174	13,017	71,171	51,012	8,151	12,008	37.1	42.0
Managerial and professional specialty	22,674	567	2,232	19,875	12,181	2,349	5,344	40.8	43.9
Executive, administrative, and managerial	10,113	158	547	9,408	5,287	1,197	2,924	43.2	45.0
Professional specialty	12,561	409	1,685	10,467	6,894	1,153	2,420	38.8	42.9
Technical, sales, and administrative support	29,224	1,493	5,204	22,527	17,090	2,344	3,093	36.0	41.1
Technicians and related support	2,974	61	351	2,562	2,028	272	261	37.5	40.4
Sales occupations	10,719	818	2,284	7,618	4,463	1,058	2,097	36.7	44.2
Administrative support, including clerical	15,531	615	2,569	12,347	10,598	1,014	735	35.3	39.3
Service occupations	12,885	1,696	3,913	7,276	5,648	726	901	31.3	41.3
Private household	905	158	471	275	205	19	52	22.0	43.3
Protective service	1,531	53	152	1,326	891	218	217	40.4	43.7
Service, except private household and protective	10,449	1,485	3,290	5,675	4,552	490	632	30.7	40.7
Precision production, craft, and repair	11,112	921	352	9,840	7,159	1,329	1,352	39.3	41.6
Operators, fabricators, and laborers	14,467	1,497	1,316	11,654	8,934	1,402	1,318	37.2	41.1
Machine operators, assemblers, and inspectors	7,173	679	322	6,172	5,066	698	408	37.9	40.1
Transportation and material moving occupations	3,723	330	293	3,099	1,954	435	710	39.7	43.6
Handlers, equipment cleaners, helpers, and laborers	3,572	488	701	2,382	1,913	269	200	33.2	40.2
Men, 16 years and over	49,641	2,851	3,940	42,849	27,910	5,517	9,422	40.0	43.3
Managerial and professional specialty	13,415	265	825	12,524	6,887	1,515	4,122	43.5	45.3
Executive, administrative, and managerial	6,882	106	213	6,563	3,323	866	2,374	44.7	46.0
Professional specialty	6,533	159	413	5,961	3,564	849	1,748	42.3	44.6
Technical, sales, and administrative support	10,243	279	970	8,993	5,508	1,216	2,269	40.7	43.9
Technicians and related support	1,549	26	87	1,435	1,076	150	209	39.6	41.5
Sales occupations	5,688	182	571	4,934	2,426	741	1,768	42.4	46.1
Administrative support, including clerical	3,006	71	311	2,624	2,007	325	292	38.2	41.1
Service occupations	5,179	462	1,170	3,547	2,582	430	535	34.8	42.4
Private household	35	7	19	9	10	-	-	(¹)	(¹)
Protective service	1,349	38	109	1,205	793	201	210	41.4	43.9
Service, except private household and protective	3,794	419	1,042	2,333	1,779	229	325	32.6	41.7
Precision production, craft, and repair	10,260	847	265	9,148	6,595	1,250	1,303	39.6	41.8
Operators, fabricators, and laborers	10,544	997	910	8,636	6,338	1,105	1,194	37.9	41.8
Machine operators, assemblers, and inspectors	4,118	322	136	3,660	2,870	467	323	39.1	40.9
Transportation and material moving occupations	3,398	291	168	2,938	1,847	404	687	40.6	43.7
Handlers, equipment cleaners, helpers, and laborers	3,028	384	606	2,038	1,621	234	183	33.4	40.5
Women, 16 years and over	40,721	3,323	9,077	28,322	23,102	2,634	2,586	33.6	39.9
Managerial and professional specialty	9,259	301	1,607	7,350	5,294	834	1,222	36.8	41.5
Executive, administrative, and managerial	3,231	51	335	2,845	1,964	330	550	40.0	42.7
Professional specialty	8,028	250	1,272	4,506	3,330	504	671	35.1	40.7
Technical, sales, and administrative support	18,981	1,214	4,234	13,533	11,581	1,128	824	33.5	39.2
Technicians and related support	1,425	35	264	1,126	952	122	52	35.3	39.0
Sales occupations	5,031	635	1,713	2,683	2,037	317	329	30.4	40.7
Administrative support, including clerical	12,525	544	2,258	9,724	8,592	689	443	34.6	38.8
Service occupations	7,706	1,234	2,743	3,729	3,066	296	366	28.9	40.3
Private household	869	151	452	266	195	19	52	22.2	43.5
Protective service	181	17	43	121	98	16	7	33.5	40.7
Service, except private household and protective	6,655	1,066	2,248	3,342	2,773	261	307	29.7	40.0
Precision production, craft, and repair	852	74	86	692	564	78	49	36.1	39.4
Operators, fabricators, and laborers	3,924	500	406	3,017	2,596	297	125	35.2	39.0
Machine operators, assemblers, and inspectors	3,055	357	186	2,512	2,197	231	85	36.3	38.9
Transportation and material moving occupations	325	39	126	161	107	31	23	30.1	41.2
Handlers, equipment cleaners, helpers, and laborers	544	104	95	344	292	35	17	32.1	38.6

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
TOTAL													
Noninstitutional population ¹	173,153	173,338	173,512	173,691	173,854	174,038	174,200	174,360	174,549	174,718	174,864	175,021	175,189
Labor force ¹	111,028	111,149	111,408	112,043	111,811	112,090	112,303	112,528	112,420	112,702	112,784	112,215	112,217
Percent of population ²	64.1	64.1	64.2	64.5	64.3	64.4	64.5	64.5	64.4	64.5	64.5	64.1	64.1
Total employed ¹	101,359	101,268	101,152	101,659	101,345	101,262	101,372	101,213	100,844	100,796	100,758	100,770	100,727
Employment-population ratio ³	58.5	58.4	58.3	58.5	58.3	58.2	58.2	58.0	57.8	57.7	57.6	57.6	57.5
Resident Armed Forces	1,664	1,671	1,668	1,665	1,664	1,674	1,689	1,670	1,668	1,660	1,665	1,667	1,664
Civilian employed	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063
Agriculture	3,367	3,367	3,356	3,446	3,371	3,445	3,429	3,363	3,413	3,466	3,411	3,412	3,393
Nonagricultural industries	96,328	96,230	96,128	96,548	96,310	96,143	96,254	96,180	95,763	95,670	95,682	95,691	95,670
Unemployed	9,669	9,861	10,256	10,364	10,466	10,628	10,931	11,315	11,578	11,906	12,036	11,446	11,490
Unemployment rate ⁴	8.7	8.9	9.2	9.3	9.4	9.7	9.7	10.1	10.3	10.6	10.7	10.2	10.2
Not in labor force	62,125	62,189	62,104	61,648	62,043	61,948	61,897	61,832	62,129	62,016	62,070	62,806	62,952
Men													
Noninstitutional population ¹	82,673	82,763	82,844	82,929	83,006	83,097	83,173	83,231	83,323	83,402	83,581	83,652	83,720
Labor force ¹	63,683	63,693	63,829	64,172	63,851	63,898	64,055	64,301	64,300	64,414	64,384	63,916	63,996
Percent of population ²	77.0	77.0	77.0	77.4	76.9	76.9	77.0	77.3	77.2	77.2	77.0	76.4	76.4
Total employed ¹	58,197	58,031	57,973	58,251	57,775	57,664	57,710	57,598	57,458	57,408	57,338	57,283	57,234
Employment-population ratio ³	70.4	70.1	70.0	70.2	69.6	69.4	69.2	69.0	68.8	68.6	68.6	68.5	68.4
Resident Armed Forces	1,527	1,532	1,529	1,527	1,526	1,537	1,551	1,526	1,524	1,516	1,529	1,531	1,528
Civilian employed	56,670	56,499	56,444	56,724	56,249	56,127	56,159	56,072	55,932	55,892	55,809	55,752	55,706
Unemployed	5,486	5,662	5,856	5,921	6,076	6,234	6,345	6,703	6,644	7,006	7,046	6,633	6,762
Unemployment rate ⁴	8.6	8.9	9.2	9.2	9.5	9.8	9.9	10.4	10.6	10.9	10.9	10.4	10.6
Not in labor force	18,990	19,070	19,015	16,757	19,155	19,199	19,118	16,930	19,023	18,986	19,197	19,736	19,724
Women													
Noninstitutional population ¹	90,480	90,578	90,668	90,762	90,648	90,941	91,027	91,129	91,226	91,316	91,283	91,369	91,449
Labor force ¹	47,345	47,456	47,579	47,871	47,960	48,192	48,248	48,227	48,120	48,288	48,410	48,299	48,220
Percent of population ²	52.3	52.4	52.5	52.7	52.8	53.0	53.0	52.9	52.7	52.9	53.0	52.9	52.7
Total employed ¹	43,162	43,237	43,179	43,408	43,570	43,596	43,662	43,615	43,388	43,388	43,420	43,486	43,493
Employment-population ratio ³	47.7	47.7	47.6	47.8	48.0	47.9	48.0	47.9	47.6	47.5	47.6	47.6	47.6
Resident Armed Forces	137	139	139	138	138	137	138	144	144	144	136	136	136
Civilian employed	43,025	43,098	43,040	43,270	43,432	43,461	43,524	43,471	43,244	43,244	43,284	43,350	43,357
Unemployed	4,163	4,219	4,400	4,463	4,390	4,594	4,586	4,612	4,732	4,900	4,990	4,613	4,727
Unemployment rate ⁴	8.8	8.9	9.2	9.3	9.2	9.5	9.5	9.6	9.8	10.1	10.3	10.0	9.8
Not in labor force	43,135	43,120	43,089	42,691	42,688	42,749	42,779	42,902	43,106	43,028	42,873	43,070	43,229

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

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

(Numbers in thousands)

Employment status, sex, and age	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
TOTAL													
Civilian noninstitutional population ¹	171,489	171,867	171,844	172,026	172,190	172,364	172,511	172,690	172,881	173,058	173,199	173,354	173,505
Civilian labor force	109,364	109,478	109,740	110,378	110,147	110,416	110,614	110,858	110,752	111,042	111,129	110,548	110,553
Percent of population	63.8	63.8	63.9	64.2	64.0	64.1	64.1	64.2	64.1	64.2	64.2	63.8	63.7
Employed	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063
Employment-population ratio ²	58.1	58.0	57.9	58.1	57.9	57.8	57.8	57.6	57.4	57.3	57.2	57.2	57.1
Unemployed	9,669	9,881	10,256	10,384	10,466	10,828	10,931	11,315	11,576	11,906	12,036	11,446	11,490
Unemployment rate	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4
Men, 20 years and over													
Civilian noninstitutional population ¹	73,209	73,287	73,392	73,499	73,585	73,685	73,774	73,867	73,984	74,094	74,236	74,339	74,434
Civilian labor force	57,581	57,633	57,794	58,008	57,959	58,055	58,064	58,354	58,363	58,454	58,443	58,048	58,177
Percent of population	78.7	78.6	78.7	78.9	78.8	78.8	78.7	79.0	78.9	78.9	78.7	78.1	78.2
Employed	53,130	53,026	53,024	53,190	52,943	52,905	52,832	52,776	52,649	52,589	52,534	52,452	52,428
Employment-population ratio ²	72.6	72.4	72.2	72.4	71.9	71.8	71.6	71.4	71.2	71.0	70.8	70.6	70.4
Agriculture	2,388	2,392	2,417	2,446	2,424	2,462	2,433	2,436	2,444	2,434	2,389	2,426	2,374
Nonagricultural industries	50,742	50,634	50,607	50,744	50,519	50,443	50,399	50,340	50,205	50,155	50,145	50,025	50,054
Unemployed	4,451	4,607	4,770	4,818	5,016	5,150	5,232	5,578	5,714	5,865	5,909	5,597	5,749
Unemployment rate	7.7	8.0	8.3	8.3	8.7	8.9	9.0	9.6	9.8	10.0	10.1	9.6	9.9
Not in labor force	15,628	15,654	15,598	15,491	15,626	15,630	15,710	15,513	15,621	15,640	15,793	16,291	16,257
Women, 20 years and over													
Civilian noninstitutional population ¹	82,367	82,478	82,591	82,707	82,811	82,926	83,035	83,152	83,271	83,385	83,383	83,490	83,593
Civilian labor force	43,111	43,285	43,355	43,632	43,819	43,983	44,039	43,996	43,936	44,112	44,286	44,201	44,216
Percent of population	52.3	52.5	52.5	52.8	52.9	53.0	53.0	52.9	52.8	52.9	53.1	52.9	52.9
Employed	39,825	39,883	39,827	40,064	40,254	40,311	40,368	40,286	40,112	40,123	40,215	40,238	40,291
Employment-population ratio ²	48.4	48.4	48.2	48.4	48.6	48.6	48.6	48.4	48.2	48.1	48.2	48.2	48.2
Agriculture	620	625	600	614	586	598	590	588	578	590	628	625	657
Nonagricultural industries	39,205	39,258	39,227	39,450	39,668	39,713	39,778	39,698	39,534	39,533	39,587	39,613	39,634
Unemployed	3,286	3,402	3,528	3,568	3,565	3,672	3,671	3,710	3,824	3,989	4,071	3,963	3,925
Unemployment rate	7.6	7.9	8.1	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.2	9.0	8.9
Not in labor force	39,256	39,193	39,236	39,075	38,992	38,943	38,996	39,156	39,335	39,273	39,097	39,289	39,377
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,913	15,902	15,861	15,820	15,794	15,753	15,702	15,671	15,625	15,579	15,580	15,525	15,478
Civilian labor force	8,672	8,560	8,591	8,738	8,369	8,378	8,511	8,508	8,453	8,476	8,400	8,299	8,160
Percent of population	54.5	53.8	54.2	55.2	53.0	53.2	54.2	54.3	54.1	54.4	53.9	53.5	52.7
Employed	6,740	6,688	6,633	6,740	6,484	6,372	6,483	6,481	6,415	6,424	6,344	6,413	6,345
Employment-population ratio ²	42.4	42.1	41.8	42.6	41.1	40.4	41.3	41.4	41.1	41.2	40.7	41.3	41.0
Agriculture	359	350	339	386	361	385	406	339	391	442	394	361	362
Nonagricultural industries	6,381	6,338	6,294	6,354	6,123	5,987	6,077	6,142	6,024	5,982	5,950	6,052	5,983
Unemployed	1,932	1,872	1,958	1,998	1,885	2,006	2,028	2,027	2,038	2,052	2,056	1,886	1,815
Unemployment rate	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2
Not in labor force	7,241	7,342	7,270	7,082	7,425	7,375	7,191	7,163	7,172	7,103	7,180	7,226	7,318

¹ The population figures are not adjusted for seasonal variation.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982												1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
WHITE														
Civilian noninstitutional population ¹	148,855	149,132	149,249	149,250	149,429	149,569	149,536	149,652	149,838	149,887	150,056	150,129	150,187	
Civilian labor force	95,459	95,602	95,941	96,405	96,165	96,385	96,375	96,640	96,453	96,719	96,864	98,176	95,987	
Percent of population	64.1	64.1	64.3	64.6	64.4	64.4	64.4	64.6	64.4	64.5	64.6	64.1	63.9	
Employed	88,080	88,033	88,011	88,350	88,089	88,021	87,979	87,872	87,477	87,435	87,443	87,466	87,194	
Employment-population ratio ²	59.2	59.0	59.0	59.2	59.0	58.8	58.8	58.7	58.4	58.3	58.3	58.3	58.1	
Unemployed	7,379	7,569	7,930	8,055	8,076	8,364	8,396	8,768	8,976	9,284	9,421	8,711	8,793	
Unemployment rate	7.7	7.9	8.3	8.4	8.4	8.7	8.7	9.1	9.3	9.6	9.7	9.1	9.2	
Men, 20 years and over														
Civilian labor force	50,900	50,958	51,109	51,300	51,213	51,252	51,260	51,517	51,499	51,531	51,562	51,033	51,151	
Percent of population	79.2	79.1	79.2	79.5	79.2	79.2	79.1	79.5	79.4	79.4	79.3	78.4	78.5	
Employed	47,471	47,387	47,382	47,474	47,268	47,194	47,142	47,100	46,987	46,837	46,823	46,752	46,682	
Employment-population ratio ²	73.8	73.6	73.4	73.6	73.1	72.9	72.8	72.7	72.4	72.1	72.0	71.6	71.6	
Unemployed	3,429	3,571	3,727	3,826	3,945	4,058	4,118	4,417	4,512	4,894	4,739	4,281	4,469	
Unemployment rate	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.6	8.8	9.1	9.2	8.4	8.7	
Women, 20 years and over														
Civilian labor force	36,906	37,058	37,169	37,373	37,529	37,750	37,658	37,676	37,532	37,762	37,934	37,794	37,588	
Percent of population	51.7	51.8	51.9	52.2	52.4	52.6	52.5	52.4	52.1	52.4	52.8	52.4	52.1	
Employed	34,467	34,520	34,531	34,680	34,857	34,986	34,929	34,865	34,663	34,749	34,847	34,834	34,695	
Employment-population ratio ²	48.3	48.3	48.3	48.4	48.6	48.8	48.7	48.5	48.1	48.2	48.3	48.3	48.1	
Unemployed	2,439	2,538	2,638	2,693	2,672	2,764	2,729	2,811	2,869	3,013	3,087	2,960	2,893	
Unemployment rate	6.6	6.8	7.1	7.2	7.1	7.3	7.2	7.5	7.6	8.0	8.1	7.8	7.7	
Both sexes, 16 to 19 years														
Civilian labor force	7,653	7,586	7,663	7,732	7,423	7,383	7,457	7,447	7,422	7,426	7,368	7,349	7,248	
Percent of population	57.9	57.4	58.2	58.9	58.6	56.5	57.3	57.4	57.3	57.5	57.1	57.1	56.5	
Employed	6,142	6,126	6,098	6,196	5,964	5,841	5,908	5,907	5,827	5,849	5,773	5,880	5,817	
Employment-population ratio ²	46.5	46.3	46.3	47.2	45.5	44.7	45.4	45.5	45.0	45.3	44.8	45.7	45.4	
Unemployed	1,511	1,460	1,565	1,536	1,459	1,542	1,549	1,540	1,595	1,577	1,595	1,469	1,431	
Unemployment rate	19.7	19.2	20.4	19.9	19.7	20.9	20.8	20.7	21.5	21.2	21.6	20.0	19.7	
Men	20.4	20.4	21.9	20.9	21.2	22.5	22.5	22.2	23.0	22.8	22.8	21.2	21.1	
Women	19.0	17.9	18.8	18.7	18.0	19.1	18.9	19.1	19.9	19.8	20.4	18.7	18.2	
BLACK														
Civilian noninstitutional population ¹	18,450	18,480	18,511	18,542	18,570	18,600	18,626	18,659	18,692	18,723	18,740	18,768	18,796	
Civilian labor force	11,219	11,228	11,201	11,318	11,267	11,341	11,400	11,443	11,398	11,475	11,522	11,542	11,548	
Percent of population	60.8	60.8	60.5	61.0	60.7	61.0	61.2	61.3	61.0	61.3	61.5	61.5	61.4	
Employed	9,260	9,209	9,135	9,209	9,171	9,211	9,220	9,172	9,102	9,159	9,127	9,142	9,276	
Employment-population ratio ²	50.2	49.8	49.3	49.7	49.4	49.5	49.2	48.7	48.9	48.7	48.7	48.7	49.4	
Unemployed	1,959	2,019	2,066	2,109	2,096	2,130	2,180	2,271	2,296	2,316	2,395	2,400	2,271	
Unemployment rate	17.5	18.0	18.4	18.6	18.6	18.8	19.1	19.8	20.1	20.2	20.8	20.8	19.7	
Men, 20 years and over														
Civilian labor force	5,307	5,299	5,345	5,347	5,366	5,377	5,366	5,398	5,390	5,488	5,483	5,459	5,441	
Percent of population	74.5	74.3	74.7	74.6	74.8	74.8	74.5	74.7	74.4	75.6	75.6	75.1	74.7	
Employed	4,449	4,436	4,438	4,434	4,435	4,444	4,419	4,360	4,331	4,437	4,358	4,385	4,423	
Employment-population ratio ²	62.5	62.2	62.1	61.9	61.8	61.8	61.3	60.4	59.8	61.1	60.1	60.3	60.7	
Unemployed	858	863	907	913	931	933	947	1,036	1,059	1,051	1,125	1,075	1,018	
Unemployment rate	16.2	16.3	17.0	17.1	17.3	17.4	17.6	19.2	19.6	19.2	20.5	19.7	18.7	
Women, 20 years and over														
Civilian labor force	5,075	5,096	5,063	5,137	5,145	5,159	5,183	5,187	5,169	5,157	5,207	5,295	5,353	
Percent of population	56.0	56.1	55.6	56.3	56.3	56.3	56.5	56.4	56.1	55.9	56.5	57.3	57.8	
Employed	4,338	4,326	4,285	4,353	4,367	4,359	4,366	4,371	4,332	4,305	4,349	4,329	4,441	
Employment-population ratio ²	47.9	47.6	47.1	47.7	47.6	47.6	47.8	47.5	47.0	46.6	47.1	46.8	48.0	
Unemployed	737	770	778	784	778	800	797	816	837	852	858	965	912	
Unemployment rate	14.5	15.1	15.4	15.3	15.1	15.5	15.4	15.7	16.2	16.5	16.5	18.2	17.0	

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	837	833	793	834	756	805	851	858	839	830	832	788	754
Percent of population	37.0	36.8	35.1	37.0	33.5	35.8	37.9	38.3	37.5	37.2	36.8	35.0	33.5
Employed	473	447	412	422	369	408	415	441	439	417	420	428	412
Employment-population ratio ²	20.9	19.8	18.2	18.7	18.4	18.1	18.5	19.7	19.6	18.7	18.6	19.0	18.3
Unemployed	364	386	381	412	387	397	436	417	400	413	412	360	342
Unemployment rate	43.5	46.3	48.0	49.4	51.2	49.3	51.2	48.6	47.7	49.8	49.5	45.7	45.4
Men	42.2	47.6	48.4	49.7	55.7	48.9	50.5	51.0	49.2	53.0	52.5	45.9	45.3
Women	45.0	44.9	47.7	49.1	46.0	49.7	52.1	45.9	45.9	46.2	46.2	45.5	45.4
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,341	9,297	9,235	9,297	9,428	9,521	9,689	9,464	9,474	9,355	9,301	9,328	9,368
Civilian labor force	6,051	6,015	5,968	6,004	5,965	5,972	6,045	5,981	5,973	5,923	5,898	5,981	5,992
Percent of population	64.8	64.7	64.8	64.6	63.3	62.7	62.4	63.0	63.0	63.3	63.4	64.1	64.0
Employed	5,297	5,253	5,211	5,182	5,155	5,138	5,162	5,097	5,075	5,012	4,998	5,053	5,042
Employment-population ratio ²	56.7	56.5	56.4	55.7	54.7	53.9	53.3	53.9	53.6	53.6	53.7	54.2	53.8
Unemployed	754	762	755	822	810	836	883	864	898	911	900	929	950
Unemployment rate	12.5	12.7	12.7	13.7	13.6	14.0	14.6	14.5	15.0	15.4	15.3	15.5	15.8

¹ The population figures are not adjusted for seasonal variation.

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

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

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

(In thousands)

Category	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
CHARACTERISTIC													
Total	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063
Married men, spouse present	38,328	38,227	38,212	38,274	38,254	38,177	38,121	37,998	37,852	37,641	37,507	37,450	37,428
Married women, spouse present	23,807	23,933	23,891	24,112	24,331	24,173	24,235	24,159	24,081	23,985	24,155	24,205	24,070
Women who maintain families	5,157	5,094	5,093	4,991	5,120	5,200	5,208	5,118	5,107	5,025	4,985	5,038	5,050
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,430	1,428	1,442	1,530	1,457	1,523	1,548	1,537	1,576	1,584	1,547	1,637	1,824
Self-employed workers	1,813	1,645	1,656	1,679	1,661	1,655	1,620	1,569	1,621	1,628	1,627	1,587	1,541
Unpaid family workers	334	270	266	251	254	254	255	254	229	241	224	231	223
Nonagricultural industries:													
Wage and salary workers	88,702	88,620	88,454	88,872	88,548	88,491	88,576	88,562	88,064	87,936	87,976	87,813	87,794
Government	15,515	15,491	15,464	15,454	15,614	15,471	15,562	15,881	15,436	15,514	15,477	15,386	15,501
Private industries	73,187	73,129	72,990	73,418	72,934	73,020	73,014	72,681	72,628	72,422	72,499	72,427	72,293
Private households	1,181	1,218	1,196	1,204	1,205	1,200	1,227	1,220	1,216	1,221	1,163	1,162	1,232
Other industries	72,006	71,911	71,794	72,214	71,729	71,820	71,787	71,661	71,412	71,201	71,336	71,265	71,061
Self-employed workers	7,097	7,150	7,246	7,262	7,301	7,286	7,338	7,422	7,332	7,349	7,335	7,465	7,385
Unpaid family workers	410	431	410	392	398	393	408	378	403	382	383	380	353
PERSONS AT WORK¹													
Nonagricultural industries	90,867	90,579	90,755	91,082	90,917	90,414	90,486	90,884	90,232	90,238	90,219	90,903	90,207
Full-time schedules	73,026	72,699	72,562	72,869	72,545	72,288	72,045	71,723	71,394	71,442	71,499	71,786	71,564
Part time for economic reasons	5,489	5,611	5,750	5,731	5,561	5,577	5,820	6,495	6,403	6,411	6,425	6,845	6,481
Usually work full time	2,155	2,187	2,197	2,195	2,126	2,047	2,100	2,519	2,381	2,228	2,153	2,200	2,097
Usually work part time	3,334	3,424	3,553	3,536	3,435	3,530	3,720	3,976	4,022	4,183	4,272	4,645	4,384
Part time for noneconomic reasons	12,352	12,269	12,443	12,482	12,811	12,549	12,621	12,666	12,435	12,385	12,295	12,271	12,162

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1982												1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,178	99,136	99,093	99,103	99,063	
16 to 24 years	20,556	20,502	20,383	20,531	20,257	20,073	20,123	20,065	19,919	19,934	19,903	19,887	19,863	
18 to 19 years	6,740	6,688	6,633	6,740	6,484	6,372	6,483	6,481	6,415	6,424	6,344	6,413	6,345	
16 to 17 years	2,671	2,629	2,593	2,617	2,432	2,364	2,422	2,432	2,415	2,426	2,364	2,438	2,382	
18 to 19 years	4,078	4,071	4,053	4,136	4,027	4,016	4,043	4,065	3,988	3,984	3,982	3,982	3,992	
20 to 24 years	13,816	13,814	13,750	13,791	13,773	13,701	13,640	13,564	13,504	13,510	13,559	13,474	13,518	
25 years and over	79,112	79,085	79,076	79,403	79,479	79,596	79,646	79,468	79,251	79,182	79,165	79,240	79,165	
25 to 54 years	64,852	64,738	64,737	65,027	65,101	65,218	65,365	64,982	64,949	64,858	64,890	65,005	64,902	
55 years and over	14,201	14,314	14,314	14,416	14,373	14,367	14,302	14,561	14,289	14,315	14,272	14,233	14,179	
Men, 16 years and over	58,670	58,499	58,444	58,724	58,249	58,127	58,159	58,072	58,832	58,892	58,809	58,752	58,706	
18 to 24 years	10,839	10,733	10,848	10,798	10,521	10,434	10,498	10,401	10,408	10,388	10,357	10,368	10,327	
16 to 19 years	3,540	3,473	3,420	3,534	3,306	3,222	3,327	3,296	3,283	3,303	3,275	3,301	3,279	
16 to 17 years	1,423	1,382	1,373	1,409	1,264	1,191	1,252	1,229	1,258	1,233	1,295	1,260	1,260	
18 to 19 years	2,120	2,097	2,055	2,139	2,020	2,040	2,064	2,065	2,052	2,027	2,038	2,009	2,037	
20 to 24 years	7,299	7,260	7,228	7,264	7,215	7,212	7,171	7,105	7,125	7,085	7,082	7,067	7,048	
25 years and over	45,811	45,770	45,791	45,879	45,792	45,722	45,685	45,672	45,522	45,496	45,430	45,393	45,372	
25 to 54 years	37,241	37,187	37,203	37,302	37,200	37,152	37,205	37,044	37,019	36,968	36,947	36,968	36,913	
55 years and over	8,541	8,579	8,589	8,612	8,615	8,565	8,473	8,644	8,485	8,508	8,471	8,446	8,415	
Women, 18 years and over	43,025	43,098	43,040	43,270	43,432	43,461	43,524	43,471	43,244	43,244	43,264	43,350	43,357	
16 to 24 years	9,717	9,769	9,735	9,733	9,736	9,639	9,625	9,664	9,511	9,546	9,546	9,519	9,536	
16 to 19 years	3,200	3,215	3,213	3,206	3,178	3,150	3,158	3,185	3,132	3,121	3,069	3,112	3,066	
16 to 17 years	1,248	1,247	1,220	1,208	1,168	1,173	1,170	1,203	1,186	1,168	1,131	1,143	1,102	
18 to 19 years	1,956	1,974	1,998	1,997	2,007	1,978	1,979	1,980	1,936	1,957	1,944	1,973	1,955	
20 to 24 years	6,517	6,554	6,522	6,527	6,558	6,489	6,469	6,479	6,379	6,425	6,477	6,407	6,470	
25 years and over	33,301	33,315	33,285	33,524	33,687	33,874	33,981	33,796	33,729	33,686	33,735	33,847	33,792	
25 to 54 years	27,611	27,551	27,534	27,725	27,901	28,064	28,160	27,938	27,930	27,870	27,943	28,037	27,989	
55 years and over	5,660	5,735	5,725	5,804	5,758	5,802	5,829	5,917	5,804	5,807	5,801	5,787	5,784	

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

(In thousands)

Sex and age	1982												1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 18 years and over	9,669	9,861	10,256	10,384	10,466	10,628	10,931	11,315	11,576	11,906	12,036	11,446	11,490	
16 to 24 years	4,195	4,147	4,297	4,328	4,228	4,370	4,484	4,490	4,577	4,685	4,642	4,462	4,444	
18 to 19 years	1,932	1,872	1,958	1,998	1,885	2,006	2,028	2,027	2,038	2,052	2,056	1,886	1,815	
16 to 17 years	792	794	838	876	752	824	840	878	851	866	893	774	721	
18 to 19 years	1,140	1,102	1,131	1,128	1,135	1,175	1,173	1,145	1,184	1,174	1,169	1,104	1,091	
20 to 24 years	2,263	2,275	2,339	2,330	2,343	2,364	2,456	2,463	2,539	2,633	2,586	2,576	2,629	
25 years and over	5,485	5,761	5,946	6,076	6,264	6,436	6,413	6,824	6,997	7,194	7,402	7,000	7,054	
25 to 54 years	4,794	5,056	5,179	5,380	5,462	5,648	5,673	6,090	6,178	6,330	6,512	6,208	6,194	
55 years and over	639	689	733	735	778	799	781	800	837	862	680	812	802	
Men, 16 years and over	5,486	5,862	5,856	5,921	6,076	6,234	6,345	6,703	6,844	7,006	7,046	6,633	6,762	
16 to 24 years	2,358	2,394	2,448	2,468	2,426	2,474	2,544	2,608	2,633	2,697	2,670	2,548	2,544	
16 to 19 years	1,035	1,055	1,086	1,103	1,060	1,084	1,113	1,125	1,130	1,141	1,137	1,036	1,013	
16 to 17 years	432	448	452	502	431	457	473	502	498	493	503	419	389	
18 to 19 years	602	613	637	609	627	622	631	622	628	642	642	617	622	
20 to 24 years	1,323	1,339	1,362	1,365	1,366	1,390	1,431	1,483	1,503	1,556	1,533	1,512	1,531	
25 years and over	3,142	3,290	3,402	3,452	3,662	3,731	3,802	4,098	4,213	4,292	4,388	4,078	4,230	
25 to 54 years	2,715	2,848	2,931	3,039	3,207	3,293	3,334	3,657	3,696	3,750	3,819	3,541	3,678	
55 years and over	386	424	449	429	447	442	490	500	545	560	570	519	507	
Women, 16 years and over	4,183	4,219	4,400	4,463	4,390	4,594	4,586	4,612	4,732	4,900	4,990	4,813	4,727	
16 to 24 years	1,837	1,753	1,849	1,860	1,802	1,896	1,940	1,882	1,944	1,988	1,972	1,914	1,900	
16 to 19 years	897	817	872	895	825	922	915	902	908	911	919	850	802	
16 to 17 years	360	346	386	374	321	367	367	376	353	373	390	355	332	
18 to 19 years	538	489	494	519	508	553	542	523	556	532	527	487	469	
20 to 24 years	940	936	977	965	977	974	1,025	980	1,036	1,077	1,053	1,064	1,098	
25 years and over	2,343	2,471	2,544	2,624	2,602	2,705	2,811	2,726	2,784	2,902	3,014	2,922	2,824	
25 to 54 years	2,079	2,208	2,248	2,341	2,255	2,355	2,339	2,433	2,480	2,580	2,693	2,667	2,516	
55 years and over	253	265	264	306	331	357	291	300	292	302	310	293	294	

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

(Civilian workers)

Sex and age	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4
16 to 24 years	16.9	16.8	17.4	17.4	17.3	17.9	16.2	18.3	18.7	19.0	18.9	18.3	18.3
16 to 19 years	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2
16 to 17 years	22.9	23.2	24.4	25.1	23.6	25.8	25.8	26.5	26.1	26.3	27.4	24.1	23.4
18 to 19 years	21.8	21.3	21.8	21.4	22.0	22.6	22.5	22.0	22.9	22.8	22.7	21.7	21.5
20 to 24 years	14.1	14.1	14.5	14.5	14.5	14.7	15.3	15.3	15.8	16.3	16.0	16.1	16.3
25 years and over	6.5	6.8	7.0	7.1	7.3	7.5	7.5	7.9	8.1	8.3	8.6	8.1	8.2
25 to 54 years	6.9	7.2	7.4	7.6	7.7	8.0	8.0	8.6	8.7	8.9	9.1	8.7	8.7
55 years and over	4.3	4.6	4.9	4.9	5.1	5.3	5.2	5.2	5.5	5.7	5.8	5.4	5.4
Men, 16 years and over	8.8	9.1	9.4	9.5	9.7	10.0	10.2	10.7	10.9	11.1	11.2	10.6	10.8
16 to 24 years	17.9	18.2	18.7	18.6	18.7	19.2	19.5	20.0	20.2	20.6	20.5	19.7	19.8
16 to 19 years	22.6	23.3	24.1	23.8	24.3	25.2	25.1	25.4	25.6	25.7	25.8	23.9	23.6
16 to 17 years	23.3	24.5	24.8	26.3	25.4	27.7	27.4	29.0	28.8	28.2	29.0	24.4	23.6
18 to 19 years	22.1	22.6	23.7	22.2	23.7	23.4	23.4	23.0	23.4	24.1	24.0	23.5	23.4
20 to 24 years	15.3	15.6	15.9	15.8	15.9	16.2	16.6	17.3	17.4	18.0	17.8	17.6	17.8
25 years and over	6.4	6.7	6.9	7.0	7.4	7.5	7.7	8.2	8.5	8.6	8.8	8.2	8.5
25 to 54 years	6.8	7.1	7.3	7.5	7.9	8.1	8.2	9.0	9.1	9.2	9.4	8.7	9.1
55 years and over	4.3	4.7	5.0	4.7	4.9	4.9	5.5	5.5	6.0	6.2	6.3	5.8	5.7
Women, 16 years and over	8.9 ^c	8.9 ^c	9.3 ^c	9.3 ^c	9.2 ^c	9.6 ^c	9.5 ^c	9.6 ^c	9.9 ^c	10.2 ^c	10.3 ^c	10.0 ^c	9.8
16 to 24 years	15.9	15.2	16.0	16.0	15.6	16.4	16.8	16.3	17.0	17.2	17.1	16.7	16.6
16 to 19 years	21.9	20.3	21.3	21.8	20.6	22.6	22.5	22.1	22.5	22.6	23.0	21.5	20.7
16 to 17 years	22.4	21.7	24.0	23.6	21.6	23.8	23.9	23.8	22.9	24.2	25.6	23.7	23.2
18 to 19 years	21.6	19.9	19.8	20.6	20.2	21.9	21.5	20.9	22.3	21.4	21.3	19.8	19.3
20 to 24 years	12.6	12.5	13.0	12.9	13.0	13.1	13.7	13.1	14.0	14.4	14.0	14.2	14.5
25 years and over	6.6	6.9	7.1	7.3	7.2	7.4	7.1	7.5	7.6	7.9	8.2	7.9	7.7
25 to 54 years	7.0	7.4	7.5	7.8	7.5	7.7	7.7	8.0	8.2	8.5	8.8	8.7	8.2
55 years and over	4.3	4.4	4.7	5.0	5.4	5.8	4.8	4.8	4.8	4.9	5.1	4.8	4.9

c = corrected.

A-38. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
CHARACTERISTIC													
Total (all civilian workers)	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4
Men, 20 years and over	7.7	8.0	8.3	8.3	8.7	8.9	9.0	9.6	9.8	10.0	10.1	9.6	9.9
Women, 20 years and over	7.6	7.9	8.1	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.2	9.0	8.9
Both sexes, 16 to 19 years	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2
White	7.7	7.9	8.3	8.4	8.4	8.7	8.7	9.1	9.3	9.6	9.7	9.1	9.2
Black and other	16.0	16.6	16.8	17.1	17.1	17.4	17.7	18.1	18.4	18.5	18.8	19.0	18.0
Black	17.5	18.0	18.4	18.6	18.6	18.8	19.1	19.8	20.1	20.2	20.8	20.8	19.7
Hispanic origin	12.5	12.7	12.7	13.7	13.6	14.0	14.6	14.5	15.0	15.4	15.3	15.5	15.8
Married men, spouse present	5.4	5.6	6.0	6.1	6.4	6.6	6.8	7.2	7.5	7.6	7.8	7.1	7.2
Married women, spouse present	6.9	7.0	7.6	7.3	7.1	7.4	7.3	7.6	7.9	8.2	8.2	7.8	7.6
Women who maintain families	10.4	10.8	11.5	11.9	12.1	12.0	11.7	12.4	11.3	12.5	13.2	13.2	13.0
Full-time workers	8.5	8.9	9.1	9.2	9.4	9.6	9.7	10.2	10.5	10.6	10.8	10.3	10.4
Part-time workers	10.4	10.0	10.8	10.5	10.0	11.2	10.4	10.6	10.3	11.3	11.1	10.6	10.1
Unemployed 15 weeks and over ¹	2.5	2.7	2.8	3.0	3.2	3.2	3.3	3.5	3.8	4.1	4.3	4.2	4.2
Labor force time lost ²	9.9	10.3	10.4	10.7	10.4	10.7	10.9	11.7	12.0	12.4	12.7	11.7	12.0
INDUSTRY													
Nonagricultural private wage and salary workers	9.0	9.4	9.8	9.8	10.0	10.2	10.2	10.7	11.0	11.4	11.6	10.8	10.8
Mining	8.3	9.3	10.6	12.1	14.0	15.8	16.0	18.5	17.9	18.1	18.1	17.1	18.4
Construction	18.3	18.2	19.3	18.9	19.5	20.3	20.4	22.0	22.3	21.8	22.0	20.0	19.7
Manufacturing	10.6	10.7	11.3	11.5	12.2	12.1	12.4	13.6	14.1	14.8	14.8	13.0	13.3
Durable goods	11.2	10.8	11.9	12.2	13.1	12.8	13.3	14.9	16.0	17.0	17.1	14.7	14.7
Nondurable goods	9.6	10.6	10.6	10.4	11.1	11.0	11.0	11.8	11.2	11.4	11.4	10.5	11.4
Transportation and public utilities	5.9	5.7	6.7	6.4	6.8	6.6	7.1	7.3	7.9	8.3	8.0	7.8	8.0
Wholesale and retail trade	9.1	10.1	9.9	10.2	9.7	10.3	10.0	10.0	10.4	10.6	11.0	10.8	10.9
Finance and service industries	6.5	6.8	7.0	6.8	6.9	7.0	7.0	7.0	7.1	7.7	7.9	7.6	7.3
Agricultural wage and salary workers	13.4	14.0	14.6	18.1	15.0	14.1	14.2	13.5	13.3	15.6	16.5	16.0	16.4

¹ Unemployment as a percent of the civilian labor force.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
DURATION													
Less than 5 weeks	3,807	3,831	3,930	3,871	3,605	3,959	3,933	4,004	3,930	3,963	4,019	3,536	3,731
5 to 14 weeks	3,068	3,098	3,255	3,281	3,398	3,249	3,348	3,549	3,511	3,549	3,460	3,328	3,106
15 weeks and over	2,750	2,962	3,080	3,267	3,517	3,569	3,637	3,856	4,167	4,524	4,732	4,634	4,618
15 to 26 weeks	1,479	1,605	1,582	1,633	1,683	1,780	1,808	1,830	1,951	2,191	2,125	1,928	1,928
27 weeks and over	1,271	1,357	1,498	1,634	1,834	1,789	1,829	2,026	2,216	2,333	2,607	2,706	2,689
Average (mean) duration, in weeks	14.0	13.9	14.3	14.9	18.3	15.6	16.1	16.6	17.1	17.3	18.0	19.4	19.0
Median duration, in weeks	7.4	7.7	8.3	8.6	9.8	8.3	8.3	9.4	9.6	10.0	10.1	11.5	9.6
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	39.6	38.7	38.3	37.2	34.3	36.7	38.0	35.1	33.9	32.9	32.9	30.8	32.6
5 to 14 weeks	31.9	31.3	31.7	31.5	32.3	30.1	30.7	31.1	30.2	29.5	28.3	28.9	27.1
15 weeks and over	28.8	29.9	30.0	31.4	33.4	33.1	33.3	33.8	35.9	37.6	38.8	40.3	40.3
15 to 26 weeks	15.4	18.2	15.4	15.7	18.0	16.5	16.6	16.0	16.8	18.2	17.4	16.8	16.8
27 weeks and over	13.2	13.7	14.6	15.7	17.4	16.6	16.8	17.8	19.1	19.4	21.3	23.5	23.5

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

(Numbers in thousands)

Reasons for unemployment	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
NUMBER OF UNEMPLOYED													
Job losers	5,246	5,628	5,889	5,938	6,181	8,323	6,446	6,979	7,325	7,369	7,295	6,704	8,809
On layoff	1,777	1,858	1,967	1,956	2,097	2,126	2,218	2,625	2,519	2,531	2,468	2,131	2,024
Other job losers	3,469	3,770	3,922	3,982	4,084	4,197	4,228	4,354	4,806	4,838	4,827	4,573	4,784
Job leavers	942	885	901	864	828	819	814	786	803	794	826	839	848
Reentrants	2,272	2,261	2,342	2,393	2,378	2,478	2,440	2,437	2,322	2,546	2,629	2,623	2,491
New entrants	1,096	1,061	1,096	1,159	1,091	1,230	1,304	1,303	1,296	1,244	1,288	1,174	1,161
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	54.9	57.2	57.6	57.3	59.0	58.3	58.6	60.7	62.4	61.6	60.6	59.1	60.2
On layoff	18.8	18.9	19.2	18.9	20.0	19.6	20.2	22.8	21.4	21.2	20.5	18.8	17.9
Other job losers	36.3	38.3	38.3	38.5	39.0	38.7	38.4	37.8	40.9	40.5	40.1	40.3	42.3
Job leavers	9.9	9.0	8.8	8.3	7.9	7.5	7.4	8.8	6.8	6.6	6.9	7.4	7.5
Reentrants	23.8	23.0	22.9	23.1	22.7	22.8	22.2	21.2	19.8	21.3	21.8	23.1	22.0
New entrants	11.5	10.8	10.7	11.2	10.4	11.3	11.9	11.3	11.0	10.4	10.7	10.4	10.3
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.8	5.1	5.4	5.4	5.8	5.7	5.8	6.3	6.6	6.6	6.6	6.1	8.2
Job leavers .....	.9	.8	.8	.8	.7	.7	.7	.7	.7	.7	.7	.8	.8
Reentrants	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.4	2.4	2.3
New entrants	1.0	1.0	1.0	1.1	1.0	1.1	1.2	1.2	1.2	1.1	1.2	1.1	1.1

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
--	TOTAL	89,630	89,269	89,358	87,719	87,700	-	-	-	-	-
--	PRIVATE SECTOR	73,842	73,407	73,410	71,992	71,730	59,587	59,135	59,235	57,854	57,592
--	MINING	1,121	1,183	1,032	1,013	996	804	862	725	704	686
10	METAL MINING	72.7	93.2	60.8	61.5	-	52.9	69.2	43.3	43.9	-
101	Iron ores	10.4	18.4	7.2	8.1	-	7.5	14.1	4.4	5.1	-
102	Copper ores	25.3	32.6	20.7	20.9	-	18.5	24.8	15.0	15.2	-
11, 12	COAL MINING	234.9	250.0	206.4	205.2	-	192.0	207.1	155.3	164.0	-
12	BITUMINOUS COAL AND LIGNITE MINING	231.6	246.5	203.3	202.1	-	189.1	204.0	162.5	161.3	-
13	OIL AND GAS EXTRACTION	701.5	738.0	658.1	647.3	-	474.0	511.1	435.9	422.5	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	288.6	280.5	291.8	291.8	-	126.8	119.1	131.7	129.2	-
138	Oil and gas field services	413.0	457.5	366.3	355.5	-	347.1	392.0	304.2	293.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	112.0	102.1	106.8	99.1	-	84.8	74.6	80.2	73.1	-
142	Crushed and broken stone	34.6	28.6	33.6	29.7	-	27.5	21.7	26.3	22.3	-
144	Sand and gravel	31.9	26.9	30.1	27.6	-	-	-	-	-	-
147	Chemical and fertilizer minerals	24.9	26.8	23.5	22.8	-	-	-	-	-	-
--	CONSTRUCTION	3,913	3,576	3,803	3,536	3,389	3,004	2,664	2,903	2,645	2,497
15	GENERAL BUILDING CONTRACTORS	973.0	922.3	940.3	884.3	-	718.5	664.3	689.1	633.3	-
152	Residential building construction	465.9	426.7	451.1	428.4	-	332.2	292.9	319.7	296.0	-
153	Operative builders	49.2	50.9	48.5	47.6	-	24.5	25.7	24.3	23.6	-
154	Nonresidential building construction	457.9	444.7	440.7	408.3	-	361.8	345.7	345.1	313.7	-
16	HEAVY CONSTRUCTION CONTRACTORS	851.9	734.8	797.5	720.2	-	678.5	558.5	630.7	557.9	-
161	Highway and street construction	218.0	149.7	184.4	153.6	-	180.0	111.9	148.0	118.9	-
162	Heavy construction, except highway	633.9	585.1	613.1	566.6	-	498.6	446.6	482.7	439.0	-
17	SPECIAL TRADE CONTRACTORS	2,087.9	1,918.4	2,065.1	1,931.9	-	1,606.4	1,441.4	1,583.3	1,453.3	-
171	Plumbing, heating, air conditioning	495.0	497.9	486.1	476.0	-	359.0	363.2	350.5	340.0	-
172	Painting, paper hanging, decorating	130.1	112.0	121.5	111.6	-	107.1	89.2	98.4	88.6	-
173	Electrical work	397.8	396.3	392.6	382.4	-	302.9	301.9	296.3	286.2	-
174	Masonry, stonework, and plastering	301.7	262.2	311.2	285.2	-	253.5	214.3	262.3	236.6	-
175	Carpentering and flooring	110.8	101.1	115.0	111.1	-	81.5	70.9	86.4	81.9	-
176	Roofing and sheet metal work	151.8	126.9	155.9	141.3	-	119.7	95.8	123.6	109.2	-
--	MANUFACTURING	18,848	19,353	18,158	18,035	18,067	12,782	13,200	12,193	12,099	12,157
24, 25, 32-39	DURABLE GOODS	11,112	11,557	10,554	10,500	10,529	7,364	7,739	6,885	6,854	6,899
20-23, 26-31	NONDURABLE GOODS	7,736	7,796	7,604	7,535	7,538	5,418	5,461	5,308	5,245	5,258
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	613.9	587.1	612.0	610.9	617.1	504.9	478.3	504.0	503.6	509.0
241	Logging camps and logging contractors	76.7	69.4	75.5	74.6	-	59.4	52.1	58.4	58.2	-
242	Sawmills and planing mills	192.6	182.6	192.9	194.5	-	168.6	158.9	158.6	169.9	-
2421	Sawmills and planing mills, general	151.4	151.6	160.9	162.2	-	141.8	132.5	140.9	142.0	-
2426	Hardwood dimension and flooring	26.9	27.0	27.5	27.5	-	23.1	23.0	23.7	23.6	-
243	Millwork, plywood, and structural members	172.3	168.6	176.3	176.6	-	139.6	136.4	143.7	143.9	-
2431	Millwork	62.3	59.5	64.4	66.0	-	48.8	46.4	50.9	52.2	-
2434	Wood kitchen cabinets	39.8	40.6	39.7	38.5	-	31.0	31.7	30.9	29.8	-
2435	Hardwood veneer and plywood	21.8	22.2	21.1	20.9	-	18.9	19.3	18.3	18.1	-
2436	Softwood veneer and plywood	35.5	34.5	37.2	37.5	-	31.2	30.6	33.0	33.4	-
244	Wood containers	39.6	38.1	38.1	37.4	-	33.3	31.6	31.8	31.2	-
245	Wood buildings and mobile homes	59.7	53.5	58.4	57.8	-	43.5	37.2	43.4	42.9	-
2451	Mobile homes	45.5	39.3	43.9	43.9	-	34.8	28.7	33.9	34.0	-
249	Miscellaneous wood products	73.2	74.9	70.8	70.0	-	60.5	62.1	58.1	57.5	-
25	FURNITURE AND FIXTURES	441.7	454.2	440.3	438.1	437.4	349.0	361.0	347.5	345.5	344.7
251	Household furniture	274.8	287.1	275.4	273.2	-	226.4	237.6	227.1	224.7	-
2511	Wood household furniture	122.8	128.4	123.4	122.1	-	135.3	110.6	105.9	104.6	-
2512	Upholstered household furniture	33.2	84.7	84.4	83.2	-	66.9	68.1	68.3	67.1	-
2514	Metal household furniture	28.8	31.8	30.1	30.3	-	22.9	25.7	24.1	24.2	-
2515	Mattresses and bedspreads	28.4	28.6	27.4	27.7	-	21.3	21.4	20.4	20.5	-
252	Office furniture	54.3	55.1	53.6	54.6	-	41.6	42.5	40.8	41.8	-
253	Public building and related furniture	22.8	23.3	22.2	21.3	-	16.9	17.1	16.3	15.8	-
254	Partitions and fixtures	58.4	58.4	56.2	56.0	-	42.8	43.0	40.9	40.7	-
259	Miscellaneous furniture and fixtures	31.3	30.3	32.9	33.0	-	21.3	20.8	22.4	22.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	577.2	576.0	548.7	533.9	532.4	436.8	433.7	413.4	400.0	399.5
321	Flat glass	15.7	15.6	15.6	15.6	-	12.1	11.7	12.4	12.3	-
322	Glass and glassware, pressed or blown	111.4	115.7	104.9	103.1	-	93.5	97.7	87.9	86.1	-
3221	Glass containers	63.8	64.2	60.6	59.5	-	56.3	56.2	53.4	52.2	-
3229	Pressed and blown glass, nec	47.6	51.5	44.3	43.6	-	37.5	41.5	34.5	33.9	-
323	Products of purchased glass	40.8	41.8	39.0	38.6	-	27.1	27.8	25.8	25.8	-
324	Cement, hydraulic	28.5	27.8	27.5	26.2	-	22.4	21.8	21.4	20.2	-
325	Structural clay products	34.3	35.4	33.3	32.7	-	25.0	25.7	24.4	23.7	-
326	Pottery and related products	38.6	37.5	37.9	37.3	-	31.1	30.2	30.3	29.9	-
327	Concrete, gypsum, and plaster products	175.6	162.9	167.7	159.0	-	132.4	119.6	125.6	117.2	-
3271	Concrete block and brick	17.9	16.9	17.8	16.6	-	12.0	11.0	11.9	10.7	-
3272	Concrete products, nec	59.6	57.7	55.1	53.0	-	43.8	41.7	39.8	37.4	-
3273	Ready-mixed concrete	80.2	69.8	77.5	72.1	-	62.3	52.0	60.1	55.3	-
329	Misc. nonmetallic mineral products	120.5	128.6	111.2	110.7	-	83.8	90.7	76.4	76.5	-
3291	Abrasive products	24.6	26.8	22.7	22.1	-	15.5	17.5	14.0	13.8	-
3292	Asbestos products	14.0	15.0	13.0	13.4	-	10.4	11.3	9.6	10.0	-
3296	Mineral wool	27.2	27.9	26.5	25.5	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	918.5	1,034.9	801.7	811.0	807.5	680.6	778.5	583.5	594.3	594.2
331	Blast furnace and basic steel products	391.5	461.0	325.4	330.7	-	290.5	348.8	237.6	245.4	-
3312	Blast furnaces and steel mills	323.1	384.3	267.7	272.9	-	240.4	291.6	196.3	203.9	-
3317	Steel pipe and tubes	25.7	29.3	21.4	20.6	-	18.9	22.1	15.1	14.3	-
332	Iron and steel foundries	159.6	183.2	133.6	136.4	-	122.5	143.2	99.1	101.9	-
3321	Gray iron foundries	96.4	108.4	83.6	86.2	-	76.2	86.8	63.8	66.5	-
3322	Malleable iron foundries	12.5	14.3	10.2	10.9	-	9.2	10.8	7.3	7.7	-
3325	Steel foundries, nec	39.4	47.8	30.0	29.7	-	29.6	37.2	21.5	21.3	-
333	Primary nonferrous metals	58.6	66.2	52.6	52.2	-	42.2	48.5	37.2	36.9	-
3334	Primary aluminum	29.5	33.3	26.6	26.1	-	21.8	24.9	19.5	19.1	-
335	Nonferrous rolling and drawing	185.2	193.7	175.1	175.7	-	130.5	136.7	122.2	122.2	-
3351	Copper rolling and drawing	25.1	26.8	23.5	23.5	-	18.5	20.0	16.9	16.8	-
3353	Aluminum sheet, plate, and foil	30.1	30.8	28.9	29.0	-	23.0	23.2	22.1	22.2	-
3357	Nonferrous wire drawing and insulating	79.7	84.0	74.6	75.0	-	56.0	59.0	52.1	52.5	-
336	Nonferrous foundries	79.7	83.7	75.2	76.2	-	62.8	66.3	58.7	59.3	-
3361	Aluminum foundries	45.7	48.0	43.1	44.0	-	36.8	38.7	34.5	35.3	-
34	FABRICATED METAL PRODUCTS	1,442.6	1,508.7	1,367.9	1,362.8	1,367.0	1,038.6	1,090.0	979.1	977.2	989.6
341	Metal cans and shipping containers	66.6	66.9	62.9	64.4	-	56.2	56.3	53.2	54.3	-
3411	Metal cans	54.4	54.6	51.2	52.5	-	46.8	46.7	44.2	45.2	-
342	Cutlery, hand tools, and hardware	137.4	149.1	130.8	130.1	-	100.3	110.8	94.2	94.3	-
3423.5	Hand and edge tools, and hand saws and blades	46.3	52.9	42.7	42.6	-	34.2	40.1	30.9	30.9	-
3429	Hardware, nec	77.4	81.7	74.8	74.6	-	56.6	60.3	54.4	54.6	-
343	Plumbing and heating, except electric	66.3	66.6	66.8	67.8	-	46.1	46.3	46.8	48.2	-
3432	Plumbing fittings and brass goods	26.9	26.9	27.0	27.5	-	21.1	21.3	20.9	21.6	-
3433	Heating equipment, except electric	29.3	29.7	30.4	30.1	-	18.6	18.8	19.8	19.6	-
344	Fabricated structural metal products	452.2	483.8	440.7	430.6	-	309.1	324.3	294.5	286.3	-
3441	Fabricated structural metal	89.1	96.9	80.8	79.5	-	62.3	68.8	55.6	54.6	-
3442	Metal doors, sash, and trim	77.1	74.4	79.9	78.9	-	55.5	52.5	57.7	56.5	-
3443	Fabricated plate work (boiler shops)	132.3	143.9	120.2	115.4	-	78.0	85.8	70.4	66.9	-
3444	Sheet metal work	101.7	104.1	98.8	97.2	-	72.7	74.8	70.1	68.6	-
3446	Architectural metal work	28.4	29.3	28.7	28.4	-	19.5	20.3	19.8	19.7	-
345	Screw machine products, bolts, etc.	91.8	99.3	84.2	84.1	-	68.5	75.1	61.8	62.1	-
3451	Screw machine products	42.7	45.6	39.3	38.9	-	33.5	36.2	30.3	30.1	-
3452	Bolts, nuts, rivets, and washers	49.1	53.7	44.9	45.2	-	35.1	38.9	31.5	32.0	-
346	Metal forgings and stampings	225.0	231.5	209.3	211.9	-	175.5	178.8	162.4	165.1	-
3462	Iron and steel forgings	34.7	39.9	29.1	29.2	-	26.0	30.4	21.2	21.4	-
3465	Automotive stampings	83.6	80.2	77.9	81.2	-	69.5	64.9	64.7	68.0	-
3469	Metal stampings, nec	95.2	99.5	91.4	90.7	-	71.3	74.4	68.4	67.7	-
347	Metal services, nec	93.3	97.0	88.5	87.7	-	73.7	77.3	69.2	68.6	-
3471	Plating and polishing	63.7	65.4	61.7	61.5	-	51.5	53.1	49.5	49.4	-
3479	Metal coating and allied services	29.6	31.6	26.8	26.2	-	22.2	24.2	19.7	19.2	-
348	Ordnance and accessories, nec	71.4	70.8	71.5	70.8	-	45.7	45.4	45.9	46.1	-
3483	Ammunition, exc. for small arms, nec	27.3	26.9	28.1	27.8	-	17.6	17.2	18.0	18.2	-
349	Misc. fabricated metal products	228.7	243.7	213.2	215.4	-	163.4	175.7	151.1	152.2	-
3494	Valves and pipe fittings	94.6	103.1	85.3	86.5	-	62.6	69.4	55.2	55.4	-
3496	Misc. fabricated wire products	50.4	51.0	49.0	50.2	-	38.1	38.6	36.8	37.8	-
35	MACHINERY, EXCEPT ELECTRICAL	2,288.7	2,464.8	2,094.8	2,068.0	2,066.9	1,378.1	1,532.4	1,211.9	1,194.5	1,196.8
351	Engines and turbines	114.8	129.4	103.3	100.4	-	70.3	82.5	61.1	59.2	-
3511	Turbines and turbine generator sets	43.1	45.2	41.7	40.5	-	23.1	24.2	22.4	21.3	-
3519	Internal combustion engines, nec	71.7	84.2	61.6	59.9	-	47.2	58.3	38.7	37.9	-
352	Farm and garden machinery	130.8	145.2	116.2	115.3	-	84.3	95.5	72.8	72.6	-
3523	Farm machinery and equipment	109.0	120.1	93.7	92.1	-	69.0	76.4	56.9	56.0	-
353	Construction and related machinery	340.9	398.7	268.6	258.7	-	208.9	256.9	146.7	139.3	-
3531	Construction machinery	113.2	134.8	81.1	75.4	-	66.2	85.2	35.9	32.0	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	32.6	36.5	26.5	24.9	-	19.5	22.4	15.1	13.5	-
3533	Oil field machinery	107.3	128.3	81.3	80.8	-	72.3	89.8	50.8	50.8	-
3535	Conveyers and conveying equipment	32.1	34.5	29.5	28.0	-	17.0	18.8	15.2	14.0	-
3537	Industrial trucks and tractors	29.1	33.8	25.6	25.5	-	17.7	21.6	14.8	14.5	-
354	Metalworking machinery	320.3	353.3	290.0	286.5	-	223.9	251.6	200.1	197.4	-
3541	Machine tools, metal cutting types	62.6	73.9	51.5	50.7	-	37.9	46.9	29.8	29.4	-
3542	Machine tools, metal forming types	20.5	23.7	17.1	16.6	-	12.3	14.8	9.8	9.2	-
3544	Special dies, tools, jigs, and fixtures	127.9	134.6	122.0	121.2	-	99.5	105.7	94.2	93.1	-
3545	Machine tool accessories	51.2	68.6	54.2	53.1	-	41.1	47.6	35.6	35.3	-
3546	Power driven hand tools	25.3	28.6	24.5	24.4	-	18.8	21.1	17.8	17.6	-
355	Special industry machinery	179.4	190.8	167.9	166.9	-	109.5	119.1	100.0	99.5	-
3551	Food products machinery	41.2	42.7	39.0	39.9	-	26.1	27.2	24.4	24.5	-
3552	Textile machinery	22.5	24.8	21.5	21.5	-	15.0	16.9	14.3	14.3	-
3555	Printing trades machinery	37.9	38.8	36.8	36.6	-	22.7	24.0	21.3	21.3	-
356	General industrial machinery	283.2	312.4	251.3	249.4	-	177.1	201.1	152.6	151.8	-
3561	Pumps and pumping equipment	56.8	62.3	51.4	51.0	-	32.5	36.7	28.5	29.3	-
3562	Ball and roller bearings	46.9	52.8	39.3	40.5	-	34.8	40.2	28.1	29.7	-
3563	Air and gas compressors	29.1	31.5	26.3	25.2	-	16.0	18.1	13.7	12.9	-
3564	Blowers and fans	37.0	38.2	33.9	33.5	-	22.8	23.7	20.7	20.4	-
3566	Speed changers, drives, and gears	21.9	26.6	18.4	18.3	-	14.4	18.3	11.5	11.3	-
3568	Power transmission equipment, nec	19.5	22.3	16.7	16.3	-	13.2	15.6	11.0	10.6	-
357	Office and computing machines	499.7	479.7	496.3	492.5	-	193.4	191.5	194.3	192.5	-
3573	Electronic computing equipment	419.5	407.5	427.7	424.3	-	157.6	154.2	159.6	157.6	-
358	Refrigeration and service machinery	161.3	168.3	154.2	154.8	-	109.8	116.1	102.5	103.3	-
3585	Refrigeration and heating equipment	107.6	113.9	102.2	104.1	-	74.1	79.2	68.4	70.3	-
359	Misc. machinery, except electrical	268.4	287.0	247.0	243.5	-	230.9	218.1	181.8	178.9	-
3592	Carburetors, pistons, rings, valves	33.8	34.7	31.2	31.1	-	26.0	26.8	23.8	23.8	-
3599	Machinery, except electrical, nec	234.6	252.3	215.8	212.4	-	174.9	191.3	158.0	155.1	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,011.2	2,056.6	1,957.7	1,961.4	1,963.2	1,219.0	1,266.7	1,166.0	1,175.2	1,181.9
361	Electric distributing equipment	110.1	118.8	105.1	104.8	-	77.1	84.3	72.8	72.5	-
3612	Transformers	49.2	52.9	46.1	46.2	-	34.9	37.7	32.1	32.0	-
3613	Switchgear and switchboard apparatus	61.0	65.9	59.0	58.6	-	42.2	46.6	40.7	40.5	-
362	Electrical industrial apparatus	211.8	232.1	193.6	193.9	-	147.2	164.3	131.9	132.5	-
3621	Motors and generators	108.1	119.7	98.3	99.1	-	81.6	91.6	73.4	74.2	-
3622	Industrial controls	64.9	69.2	60.5	59.9	-	39.1	42.5	35.5	35.3	-
363	Household appliances	142.0	144.1	134.0	139.9	-	109.1	110.0	101.8	107.8	-
3632	Household refrigerators and freezers	29.1	30.7	25.3	28.2	-	22.8	24.4	19.1	21.9	-
3633	Household laundry equipment	19.3	19.8	19.0	21.7	-	14.4	14.9	14.1	16.7	-
3634	Electric housewares and fans	46.6	46.3	45.6	42.9	-	35.6	35.6	35.0	32.5	-
364	Electric lighting and wiring equipment	186.9	196.5	172.7	174.9	-	136.0	143.6	123.7	124.9	-
3641	Electric lamps	31.1	33.9	21.7	23.2	-	27.3	30.1	18.6	20.1	-
3643	Current-carrying wiring devices	77.7	81.4	74.8	74.7	-	51.3	54.1	48.9	48.9	-
3644	Noncurrent-carrying wiring devices	18.3	19.9	17.0	17.1	-	13.2	14.5	12.2	12.1	-
3645	Residential lighting fixtures	22.2	22.6	22.9	22.7	-	15.6	16.7	17.2	17.0	-
365	Radio and TV receiving equipment	34.6	101.3	88.8	89.3	-	64.8	70.2	60.9	61.8	-
3651	Radio and TV receiving sets	73.5	79.1	68.6	70.0	-	49.4	53.7	45.2	47.9	-
366	Communication equipment	555.7	558.0	555.2	553.0	-	259.6	266.9	254.8	255.6	-
3661	Telephone and telegraph apparatus	141.8	148.7	133.7	132.2	-	91.5	98.3	85.5	85.5	-
3662	Radio and TV communication equipment	414.0	409.3	421.5	420.8	-	168.1	168.6	169.3	170.1	-
367	Electronic components and accessories	558.7	563.2	568.9	567.5	-	324.6	326.2	320.4	320.5	-
3671-3	Electronic tubes	43.4	43.5	43.6	43.7	-	26.4	26.3	26.9	27.0	-
3674	Semiconductors and related devices	230.4	225.1	233.6	234.1	-	91.4	90.4	93.2	95.3	-
3679	Electronic components, nec	226.3	224.3	226.8	225.3	-	155.0	155.8	152.2	150.6	-
369	Misc. electrical equipment and supplies	141.3	142.6	139.4	139.0	-	100.6	101.2	99.7	99.6	-
3691	Storage batteries	28.6	30.0	28.8	28.4	-	22.2	23.4	22.6	22.2	-
3694	Engine electrical equipment	55.5	54.8	54.4	54.3	-	43.2	42.3	42.8	42.8	-
37	TRANSPORTATION EQUIPMENT	1,726.0	1,766.0	1,675.0	1,665.3	1,687.2	1,071.7	1,095.9	1,030.3	1,021.3	1,044.8
371	Motor vehicles and equipment	690.0	689.3	668.9	666.6	-	505.7	496.7	490.1	487.7	-
3711	Motor vehicles and car bodies	302.6	296.5	306.6	296.3	-	210.3	198.2	216.4	205.5	-
3713	Truck and bus bodies	31.6	33.0	28.1	26.9	-	23.6	24.5	20.7	19.5	-
3714	Motor vehicle parts and accessories	326.8	329.1	305.9	317.1	-	250.7	251.1	232.2	243.5	-
3715	Truck trailers	23.8	26.0	22.6	20.6	-	17.2	19.4	16.4	14.8	-
372	Aircraft and parts	611.8	635.6	600.5	596.7	-	309.9	330.0	300.5	297.4	-
3721	Aircraft	325.0	339.6	317.5	314.1	-	146.9	158.7	141.9	139.8	-
3724	Aircraft engines and engine parts	151.4	158.1	149.9	150.3	-	85.7	91.4	83.6	83.3	-
3728	Aircraft equipment, nec	135.5	137.9	133.1	132.3	-	77.3	79.9	75.0	74.3	-
373	Ship and boat building and repairing	206.5	218.2	193.0	198.2	-	157.3	166.4	144.4	139.9	-
3731	Ship building and repairing	168.7	177.4	158.5	153.6	-	126.5	132.9	116.5	112.0	-
3732	Boat building and repairing	37.8	40.8	34.5	34.6	-	30.8	33.5	27.9	27.9	-
374	Railroad equipment	37.6	44.2	30.2	30.0	-	23.5	28.5	18.2	18.2	-
376	Guided missiles, space vehicles, parts	127.3	124.6	130.2	130.6	-	39.0	37.9	41.2	41.3	-
3761	Guided missiles and space vehicles	100.7	98.7	103.1	103.5	-	29.2	27.7	31.8	31.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	39.9	38.6	41.0	41.5	-	27.2	25.4	27.9	28.3	-
3792	Travel trailers and campers	17.2	16.5	16.7	17.4	-	13.2	12.5	12.6	13.3	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	755.2	719.0	684.4	682.8	681.2	404.3	419.2	384.8	383.5	384.3
381	Measuring and controlling devices	75.7	78.2	73.1	72.9	-	35.2	37.2	33.6	33.5	-
382	Environmental controls	244.3	253.2	235.5	234.8	-	148.3	157.2	139.3	138.6	-
3822	Process control instruments	42.7	44.6	42.1	42.0	-	27.8	29.0	26.8	27.2	-
3823	Instruments to measure electricity	57.2	59.5	54.2	53.8	-	29.1	31.0	26.7	26.0	-
3825	Optical instruments and lenses	132.2	104.2	100.8	100.8	-	63.6	66.3	60.2	59.7	-
383	Medical instruments and supplies	32.5	33.0	31.8	31.9	-	17.6	18.0	16.9	16.6	-
384	Surgical and medical instruments	152.4	161.6	157.7	158.0	-	98.9	101.3	95.9	96.5	-
3841	Surgical appliances and supplies	77.4	76.3	75.3	76.0	-	45.1	45.6	43.7	43.7	-
3842	Ophthalmic goods	57.7	69.2	67.0	67.5	-	44.6	45.9	43.8	44.3	-
385	Photographic equipment and supplies	35.9	37.1	34.1	34.0	-	24.8	26.0	23.4	22.9	-
386	Watches, clocks, and watchcases	138.3	137.8	134.4	133.6	-	67.0	66.7	64.0	63.8	-
387	Watches, clocks, and watchcases	18.1	18.1	17.8	17.6	-	12.6	12.8	11.7	11.6	-
MISCELLANEOUS MANUFACTURING											
39	Jewelry, silverware, and plated ware	397.3	389.8	371.2	365.3	369.2	280.5	282.9	264.9	258.8	262.7
391	Musical instruments	58.0	57.7	59.6	57.5	-	40.9	40.4	42.1	40.2	-
3911	Toys and sporting goods	37.3	37.4	38.6	37.2	-	26.2	26.1	27.1	25.9	-
393	Dolls, games, toys, and children's vehicles	19.4	20.7	18.8	18.8	-	15.2	16.4	14.6	14.6	-
394	Sporting and athletic goods, nec	106.6	104.8	94.6	95.2	-	78.5	76.7	66.4	67.0	-
3942, 4	Pens, pencils, office and art supplies	52.1	48.3	42.7	43.4	-	36.6	32.7	27.1	27.9	-
3949	Costume jewelry and notions	54.5	56.5	51.9	51.8	-	41.9	44.0	39.3	39.1	-
395	Costume jewelry	34.9	36.5	32.6	32.3	-	24.2	25.7	22.1	21.7	-
396	Miscellaneous manufactures	41.4	42.2	40.9	39.1	-	31.5	32.0	31.3	29.1	-
3961	Signs and advertising displays	22.0	22.0	22.5	20.9	-	17.1	16.9	17.7	15.9	-
399	Signs and advertising displays	127.0	127.9	124.7	122.4	-	90.3	91.7	88.4	86.2	-
3993	Signs and advertising displays	45.7	46.0	45.1	44.4	-	32.4	33.1	31.7	31.0	-
NONDURABLE GOODS											
20	Meat products	1,644.0	1,605.0	1,624.6	1,587.3	1,572.4	1,127.3	1,087.1	1,112.7	1,076.0	1,065.2
201	Meat packing plants	341.9	341.8	339.8	331.7	-	285.2	284.5	282.9	275.3	-
2011	Sausages and other prepared meats	146.6	151.3	144.2	140.7	-	120.3	124.8	118.1	114.7	-
2013	Poultry dressing plants	68.9	68.5	69.2	67.6	-	51.0	50.4	51.0	49.7	-
2016	Dairy products	112.8	108.2	113.1	110.1	-	102.1	97.5	102.1	99.4	-
202	Cheese, natural and processed	157.8	165.9	165.3	165.2	-	93.8	91.0	92.2	90.3	-
2022	Fluid milk	34.8	34.3	34.8	36.0	-	26.3	25.9	26.5	25.5	-
2026	Preserved fruits and vegetables	93.7	94.2	92.0	91.4	-	42.4	42.0	41.6	41.3	-
203	Canned specialties	231.9	196.9	213.6	199.0	-	192.0	157.3	175.3	160.7	-
2032	Frozen fruits and vegetables	24.6	24.6	24.5	24.5	-	18.2	18.2	18.6	18.5	-
2033	Grain mill products	94.0	61.0	66.2	58.7	-	69.1	46.8	52.4	45.3	-
2037	Flour and other grain mill products	48.8	41.0	47.4	42.9	-	42.6	35.0	41.0	36.5	-
204	Prepared feeds, nec	137.2	138.5	138.8	139.5	-	92.6	94.8	92.7	93.1	-
2041	Bakery products	26.3	26.5	26.9	28.5	-	15.8	16.0	15.4	16.6	-
2048	Bread, cake, and related products	52.2	53.1	51.4	51.8	-	33.4	34.4	32.8	33.0	-
205	Cookies and crackers	217.5	215.8	217.2	214.4	-	127.2	124.9	127.7	125.8	-
2051	Sugar and confectionery products	175.7	174.1	174.9	172.5	-	93.9	92.1	93.6	91.8	-
2052	Cane and beet sugar	41.8	41.7	42.3	41.9	-	33.3	32.8	34.1	34.0	-
206	Confectionery products	136.8	111.1	115.3	113.8	-	82.0	85.2	90.9	89.0	-
2061-3	Fats and oils	31.2	34.7	34.2	33.1	-	23.6	26.1	27.3	25.7	-
2065	Beverages	55.2	56.4	60.3	60.3	-	44.7	45.7	49.5	49.6	-
207	Malt beverages	43.1	44.0	44.1	42.9	-	32.3	33.1	33.5	32.3	-
208	Bottled and canned soft drinks	232.8	229.2	228.0	224.6	-	99.3	96.3	97.0	95.1	-
2082	Misc. foods and kindred products	47.7	47.6	45.3	44.3	-	30.4	29.7	28.7	27.9	-
2086	Misc. foods and kindred products	139.7	136.5	137.7	136.1	-	45.3	43.5	44.4	43.6	-
209	Misc. foods and kindred products	165.0	161.8	162.5	156.2	-	122.9	120.0	120.5	114.4	-
TOBACCO MANUFACTURES											
21	Cigarettes	65.6	70.5	69.6	68.9	66.4	51.1	55.6	55.2	54.0	50.7
211	Cigarettes	45.8	47.4	46.0	46.0	-	35.0	36.5	35.2	35.0	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	718.9	777.6	729.1	719.5	722.4	641.7	667.8	624.1	615.7	618.9
221	Weaving mills, synthetics	124.8	135.9	120.6	118.0	-	109.9	120.8	106.4	104.0	-
222	Weaving and finishing mills, wool	36.8	105.7	92.1	91.2	-	85.8	94.2	82.0	81.3	-
223	Narrow fabric mills	16.3	18.4	16.0	15.8	-	14.0	15.4	13.4	13.2	-
224	Knitting mills	22.5	23.1	21.9	21.7	-	19.5	20.0	18.9	18.7	-
225	Women's hosiery, except socks	293.3	199.3	199.9	195.2	-	175.0	170.7	170.9	166.7	-
2251	Hosiery, nec	31.0	31.8	31.0	31.0	-	27.7	28.4	27.8	27.7	-
2252	Knit outerwear mills	31.4	31.3	30.5	30.3	-	28.4	28.4	27.4	27.3	-
2253	Knit underwear mills	69.0	63.7	67.7	63.7	-	58.7	53.2	57.1	53.5	-
2254	Knit underwear mills	27.8	27.3	28.3	28.0	-	23.5	23.3	23.8	23.5	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	24.8	25.1	24.7	24.6	-	23.8	20.7	20.6	20.6	-
226	Textile finishing, except wool	66.1	68.2	65.2	64.2	-	54.5	56.5	53.9	53.2	-
2261	Finishing plants, cotton	28.1	29.0	28.3	27.7	-	23.0	23.8	23.4	22.9	-
2262	Finishing plants, synthetics	24.5	26.1	23.3	23.1	-	20.4	21.8	19.3	19.2	-
227	Floor covering mills	48.0	48.8	47.0	47.4	-	37.8	38.5	36.8	37.0	-
228	Yarn and thread mills	111.0	115.2	109.1	108.2	-	98.6	102.6	97.2	96.5	-
2281	Yarn mills, except wool	76.5	78.2	75.9	75.2	-	69.0	70.6	68.6	68.0	-
2282	Throwing and winding mills	17.9	18.4	17.3	17.5	-	15.7	15.2	15.2	15.4	-
229	Miscellaneous textile goods	59.7	63.0	57.3	57.8	-	46.6	49.1	44.6	45.1	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,158.3	1,175.8	1,121.3	1,120.2	1,129.1	979.2	994.3	944.0	943.9	952.2
231	Men's and boys' suits and coats	74.2	77.1	71.5	69.5	-	64.8	67.4	62.7	61.0	-
232	Men's and boys' furnishings	326.1	330.5	318.9	316.6	-	276.9	290.5	270.8	269.6	-
2321	Men's and boys' shirts and nightwear	31.4	32.8	27.0	26.5	-	28.1	29.7	23.9	23.8	-
2327	Men's and boys' separate trousers	67.7	68.9	67.1	67.1	-	58.8	60.1	58.0	57.9	-
2328	Men's and boys' work clothing	94.6	96.2	94.2	92.0	-	78.6	79.5	79.3	77.6	-
233	Women's and misses' outerwear	374.0	380.3	358.9	364.6	-	318.8	324.4	303.4	308.1	-
2331	Women's and misses' blouses and waists	58.6	59.0	57.6	59.0	-	50.4	50.9	49.2	50.5	-
2335	Women's and misses' dresses	126.3	128.3	116.3	120.2	-	109.7	111.6	99.4	102.6	-
2337	Women's and misses' suits and coats	53.6	53.0	51.9	49.1	-	45.4	44.8	43.9	41.3	-
2339	Women's and misses' outerwear, nec.	135.5	140.0	133.1	136.3	-	113.3	117.1	110.9	113.7	-
234	Women's and children's undergarments	86.0	87.6	83.7	82.9	-	72.9	74.6	70.3	69.7	-
2341	Women's and children's underwear	59.9	70.0	68.3	67.8	-	60.7	61.0	58.8	58.4	-
2342	Brassieres and allied garments	16.2	17.6	15.4	15.1	-	12.2	13.6	11.5	11.3	-
236	Children's outerwear	60.2	62.1	57.0	58.4	-	51.0	52.6	48.4	49.8	-
2361	Children's dresses and blouses	26.0	27.1	25.5	25.8	-	23.2	24.4	22.8	23.0	-
238	Misc. apparel and accessories	51.8	53.5	47.4	47.4	-	43.2	44.7	38.8	38.9	-
239	Misc. fabricated textile products	164.4	162.7	163.7	160.6	-	133.6	131.3	132.9	130.1	-
2391	Curtains and draperies	25.2	26.1	25.2	24.0	-	20.6	21.4	20.5	19.2	-
2392	House furnishings, nec.	46.8	46.0	48.3	45.7	-	38.8	37.6	40.2	38.9	-
2396	Automotive and apparel trimmings	26.1	24.3	25.7	25.6	-	20.8	19.0	20.6	20.5	-
26	PAPER AND ALLIED PRODUCTS	659.5	669.3	649.3	645.7	642.6	491.8	500.0	483.4	480.0	479.4
261, 2, 6	Paper and pulp mills	195.4	197.6	191.9	191.3	-	146.7	148.0	143.6	143.4	-
262	Paper mills, except building paper	159.4	171.8	166.3	165.7	-	125.7	127.2	123.2	122.8	-
263	Paperboard mills	50.3	62.1	59.4	59.3	-	46.6	48.8	45.4	45.1	-
264	Misc. converted paper products	213.4	216.1	210.0	209.5	-	154.7	157.6	152.0	151.6	-
2641	Paper coating and glazing	55.1	55.0	54.9	54.5	-	34.7	34.7	35.0	34.3	-
2642	Envelopes	25.0	25.5	25.3	25.3	-	19.3	19.8	19.6	19.7	-
2643	Bags, except textile bags	49.1	50.3	49.3	48.9	-	38.1	39.1	38.5	37.9	-
265	Paperboard containers and boxes	130.4	193.5	188.0	185.6	-	143.9	145.6	142.4	139.9	-
2651	Folding paperboard boxes	41.8	42.4	41.0	40.4	-	32.4	32.7	31.9	31.3	-
2653	Corrugated and solid fiber boxes	97.1	99.3	96.5	95.9	-	71.1	72.3	71.1	70.3	-
2654	Sanitary food containers	24.1	23.9	23.8	23.7	-	19.2	19.0	19.0	18.9	-
27	PRINTING AND PUBLISHING	1,270.7	1,273.8	1,275.1	1,267.6	1,269.5	696.4	698.7	699.8	691.5	693.3
271	Newspapers	424.8	424.1	427.5	423.7	-	161.1	161.7	163.0	159.5	-
272	Periodicals	100.5	100.5	102.1	102.5	-	21.6	21.0	22.1	22.5	-
273	Books	97.8	99.5	96.1	96.0	-	49.8	51.1	49.8	50.1	-
2731	Book publishing	69.1	69.8	68.2	68.1	-	26.3	26.7	26.8	27.1	-
2732	Book printing	28.8	29.7	27.9	27.9	-	23.5	24.4	23.0	23.0	-
274	Miscellaneous publishing	49.2	49.3	50.1	50.0	-	25.9	26.4	26.5	26.7	-
275	Commercial printing	416.2	417.1	418.1	413.6	-	305.1	305.0	307.1	300.7	-
2751	Commercial printing, letterpress	151.1	153.1	150.1	146.6	-	111.6	112.2	111.7	108.0	-
2752	Commercial printing, lithographic	242.5	241.0	245.4	245.3	-	175.6	174.6	177.6	175.7	-
276	Manifold business forms	48.9	49.8	48.9	49.0	-	34.3	35.0	34.0	34.2	-
278	Blankbooks and bookbinding	62.5	62.5	61.2	61.9	-	50.7	53.4	49.3	49.8	-
279	Printing trade services	45.3	45.4	46.0	45.9	-	33.4	33.5	34.1	34.1	-
28	CHEMICALS AND ALLIED PRODUCTS	1,074.0	1,089.0	1,050.7	1,046.2	1,050.9	597.1	607.1	582.8	581.1	588.0
281	Industrial inorganic chemicals	153.5	157.6	148.7	148.1	-	81.7	85.2	77.5	78.1	-
2819	Industrial inorganic chemicals, nec.	100.8	103.5	98.2	98.2	-	53.6	55.7	51.8	51.6	-
282	Plastics materials and synthetics	132.7	189.0	174.5	173.8	-	118.0	121.7	112.9	112.8	-
2821	Plastics materials and resins	74.3	76.4	72.6	72.2	-	43.3	44.2	42.6	42.6	-
2824	Organic fibers, noncellulosic	77.1	80.1	72.8	72.2	-	53.6	55.3	50.7	50.4	-
283	Drugs	139.8	198.9	200.2	200.1	-	97.8	98.2	97.7	97.5	-
2834	Pharmaceutical preparations	157.5	157.3	158.5	158.5	-	75.7	76.2	76.2	75.0	-
284	Soap, cleaners, and toilet goods	145.3	144.7	145.3	143.5	-	91.0	93.1	91.9	89.3	-
2841	Soap and other detergents	44.7	44.5	45.7	45.8	-	29.2	29.0	29.9	29.8	-
2844	Toilet preparations	61.9	61.6	61.3	59.1	-	40.9	40.4	40.7	38.5	-
2842, 3	Polishing, sanitation, and finishing preparations	38.7	38.6	38.3	38.6	-	21.0	20.7	21.3	21.4	-
285	Paints and allied products	59.7	59.7	58.2	59.1	-	28.8	28.8	27.7	28.3	-
286	Industrial organic chemicals	174.3	178.0	170.5	168.7	-	87.7	88.8	87.1	86.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹					
		Avg. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	
	CHEMICALS AND ALLIED PRODUCTS—Cont'd											
2865	Cyclic crudes and intermediates	35.7	37.4	34.0	33.8	-	21.9	23.0	20.9	20.9	-	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	138.7	140.6	136.5	134.9	-	65.8	65.8	66.2	65.5	-	-
287	Agricultural chemicals	57.1	69.1	63.6	63.9	-	40.7	42.5	38.2	38.6	-	-
289	Miscellaneous chemical products	91.5	92.0	89.7	89.0	-	51.3	51.8	49.8	49.7	-	-
29	PETROLEUM AND COAL PRODUCTS	206.8	204.7	204.1	201.9	201.2	123.5	121.6	121.1	119.0	119.7	-
291	Petroleum refining	159.0	170.5	168.8	167.8	-	97.3	99.2	97.1	95.8	-	-
295	Paving and roofing materials	26.0	22.3	24.0	22.8	-	19.1	15.2	17.3	16.4	-	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	637.3	710.8	680.3	678.8	684.0	534.7	545.4	519.9	518.8	525.9	-
301	Tires and inner tubes	101.9	107.4	99.2	98.2	-	72.4	75.9	71.2	71.1	-	-
302	Rubber and plastics footwear	21.3	21.1	21.6	20.5	-	18.4	18.5	18.6	17.3	-	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	20.1	21.4	18.8	18.4	-	14.2	15.6	13.0	12.8	-	-
306	Fabricated rubber products, nec.	95.3	98.0	91.0	91.0	-	72.3	74.7	68.4	68.6	-	-
307	Miscellaneous plastics products	459.3	462.9	449.7	450.7	-	357.3	360.7	348.7	349.0	-	-
31	LEATHER AND LEATHER PRODUCTS	210.1	219.0	199.9	199.1	199.3	175.7	183.7	165.3	165.0	165.0	-
311	Leather tanning and finishing	18.3	19.0	17.8	17.9	-	15.1	15.7	14.7	14.8	-	-
314	Footwear, except rubber	123.8	135.3	123.4	124.4	-	109.8	115.6	104.3	105.3	-	-
3143	Men's footwear, except athletic	50.8	56.7	47.3	47.9	-	41.9	47.8	37.9	38.2	-	-
3144	Women's footwear, except athletic	48.1	48.1	48.3	48.5	-	41.9	41.2	42.6	42.9	-	-
316	Luggage	13.1	13.0	11.9	10.8	-	9.7	10.0	8.0	7.2	-	-
317	Handbags and personal leather goods	26.9	27.6	24.5	23.9	-	21.9	22.3	19.8	19.2	-	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,058	5,065	5,013	4,899	4,887	4,176	4,185	4,134	4,034	4,023	-
40	RAILROAD TRANSPORTATION	432.3	453.7	395.7	371.1	-	-	-	-	-	-	-
4011	Class 1 railroads ²	397.8	417.7	365.0	342.3	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	279.7	287.0	292.3	291.0	-	260.2	266.6	272.7	271.4	-	-
411	Local and suburban transportation	84.3	83.0	84.3	84.6	-	77.4	75.5	77.5	77.7	-	-
412	Taxis	45.1	47.1	44.1	43.9	-	-	-	-	-	-	-
413	Intercity highway transportation	36.6	36.4	35.6	-	-	33.6	33.4	32.6	-	-	-
415	School buses	95.7	103.9	110.8	110.9	-	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,206.2	1,191.8	1,216.8	1,143.8	-	1,046.9	1,031.3	1,058.5	986.9	-	-
421,3	Trucking and trucking terminals	1,120.8	1,103.8	1,129.9	1,060.4	-	975.3	957.1	985.2	917.1	-	-
422	Public warehousing	85.4	88.0	86.9	83.4	-	71.7	74.2	73.3	69.8	-	-
44	WATER TRANSPORTATION	194.3	200.9	176.6	172.0	-	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	441.8	442.9	441.2	437.7	-	-	-	-	-	-	-
451,2	Air transportation	390.5	391.4	390.3	386.8	-	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	22.3	22.1	22.1	22.0	-	15.4	15.3	15.4	15.6	-	-
47	TRANSPORTATION SERVICES	222.0	215.8	222.3	221.1	-	-	-	-	-	-	-
48	COMMUNICATION	1,393.8	1,394.4	1,374.1	1,368.7	-	1,052.7	1,053.7	1,040.7	1,044.7	-	-
481	Telephone communication	1,063.8	1,076.8	1,038.7	1,031.4	-	783.0	791.3	766.0	769.2	-	-
483	Radio and television broadcasting	216.4	211.7	221.3	222.3	-	176.6	172.5	180.5	181.0	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	868.0	856.0	871.9	871.4	-	703.1	699.8	702.1	701.5	-	-
491	Electric services	415.1	407.2	421.2	422.2	-	331.3	328.8	334.5	335.2	-	-
492	Gas production and distribution	178.5	175.2	177.9	176.6	-	143.5	141.1	142.1	141.1	-	-
493	Combination utility services	198.4	199.2	197.1	197.2	-	153.1	165.7	160.8	160.7	-	-
495	Sanitary services	52.9	51.7	52.7	52.5	-	46.5	45.7	46.3	46.2	-	-
-	WHOLESALE AND RETAIL TRADE	20,551	20,417	20,952	20,285	20,029	17,951	17,820	18,357	17,696	17,443	-
50,51	WHOLESALE TRADE	5,294	5,314	5,221	5,167	5,142	4,276	4,300	4,205	4,153	4,130	-
50	WHOLESALE TRADE - DURABLE GOODS	3,122	3,161	3,060	3,043	-	2,507	2,550	2,445	2,430	-	-
501	Motor vehicles and automotive equipment	413.0	410.1	412.1	411.1	-	332.6	330.6	331.3	329.5	-	-
502	Furniture and home furnishings	118.1	118.7	120.3	118.3	-	97.2	97.5	99.6	97.2	-	-
503	Lumber and construction materials	131.0	180.7	181.7	180.8	-	147.6	147.7	148.1	147.7	-	-
504	Sporting goods, toys, and hobby goods	71.4	70.9	71.2	70.7	-	57.3	56.4	57.7	56.6	-	-
505	Metals and minerals, except petroleum	139.6	148.4	130.8	130.4	-	110.3	118.3	102.7	102.4	-	-
506	Electrical goods	434.9	438.5	430.0	426.8	-	348.0	353.0	340.7	339.3	-	-
507	Hardware, plumbing, and heating equipment	237.4	241.3	236.2	235.8	-	191.7	195.2	190.4	190.4	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,344.9	1,358.3	1,307.8	1,300.8	-	1,071.0	1,088.9	1,034.3	1,027.9	-
509	Miscellaneous durable goods	181.7	194.1	169.8	158.3	-	150.9	162.5	139.7	138.6	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,172	2,153	2,161	2,124	-	1,769	1,750	1,760	1,723	-
511	Paper and paper products	157.5	157.1	158.5	155.5	-	126.7	126.4	127.3	125.3	-
512	Drugs, proprietaries, and sundries	153.1	150.0	154.2	154.1	-	129.3	127.3	129.6	129.9	-
513	Apparel, piece goods, and notions	169.2	165.7	167.8	165.7	-	132.4	129.6	131.0	128.2	-
514	Groceries and related products	650.8	644.6	642.0	621.8	-	558.5	551.9	550.2	530.7	-
516	Chemicals and allied products	136.1	134.3	135.9	136.7	-	96.8	96.5	95.7	96.0	-
517	Petroleum and petroleum products	231.1	232.1	228.3	227.0	-	173.3	173.8	171.4	170.9	-
518	Beer, wine, and distilled beverages	145.0	142.2	146.2	142.2	-	120.6	118.0	121.6	117.9	-
519	Miscellaneous nondurable goods	395.3	389.2	392.9	387.5	-	322.0	313.6	320.7	315.6	-
52-59	RETAIL TRADE	15,258	15,103	15,731	15,118	14,887	13,676	13,520	14,152	13,543	13,313
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	588.0	570.9	593.6	572.7	-	494.8	477.8	500.1	479.9	-
521	Lumber and other building materials	305.8	297.9	308.4	303.9	-	257.5	249.1	260.1	256.2	-
525	Hardware stores	146.5	145.4	149.7	146.0	-	124.8	123.7	128.0	122.7	-
53	GENERAL MERCHANDISE STORES	2,240.7	2,311.0	2,492.7	2,294.0	-	2,076.2	2,127.5	2,334.6	2,142.7	-
531	Department stores	1,884.8	1,953.8	2,108.2	1,957.0	-	1,754.8	1,804.7	1,985.3	1,841.0	-
533	Variety stores	223.8	228.2	240.2	208.4	-	207.4	212.1	223.3	190.9	-
539	Misc. general merchandise stores	132.1	129.0	144.3	128.6	-	114.0	110.7	126.0	110.8	-
54	FOOD STORES	2,463.9	2,442.0	2,528.0	2,474.6	-	2,283.4	2,262.0	2,349.3	2,295.6	-
541	Grocery stores	2,153.4	2,151.3	2,207.6	2,180.6	-	2,011.0	1,998.9	2,057.5	2,030.4	-
542	Meat markets and freezer provisioners	55.4	54.7	56.3	56.2	-	-	-	-	-	-
546	Retail bakeries	127.5	124.7	130.5	128.1	-	117.3	115.1	119.7	117.1	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,636.6	1,621.8	1,621.9	1,616.1	-	1,378.4	1,366.4	1,363.1	1,356.2	-
551.2	New and used car dealers	732.3	726.9	731.8	733.7	-	599.7	593.7	599.6	601.2	-
553	Auto and home supply stores	273.3	269.4	275.6	271.1	-	235.0	232.1	236.8	232.5	-
554	Gasoline service stations	550.4	552.6	539.9	538.4	-	479.3	483.4	468.0	465.3	-
56	APPAREL AND ACCESSORY STORES	959.5	983.6	1,064.5	974.6	-	824.6	840.1	915.0	827.2	-
561	Men's and boys' clothing and furnishings	127.9	133.6	143.5	129.4	-	108.5	113.8	123.8	109.9	-
562	Women's ready-to-wear stores	347.3	349.6	376.2	346.6	-	299.1	303.3	325.8	296.6	-
565	Family clothing stores	179.6	183.3	208.6	190.7	-	156.7	160.1	184.9	157.8	-
566	Shoe stores	211.0	212.2	222.5	209.7	-	171.6	172.8	182.6	170.2	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	591.6	598.8	602.9	593.4	-	488.7	495.5	500.9	490.7	-
571	Furniture and home furnishings stores	363.9	367.8	367.7	362.5	-	300.6	303.5	305.2	299.5	-
572	Household appliance stores	80.2	81.2	79.4	78.1	-	68.0	69.0	67.6	66.8	-
573	Radio, television, and music stores	147.5	149.8	155.8	152.8	-	120.1	123.0	128.1	124.4	-
58	EATING AND DRINKING PLACES	4,781.4	4,578.7	4,717.8	4,596.1	-	4,398.0	4,204.9	4,339.2	4,213.6	-
59	MISCELLANEOUS RETAIL	1,985.8	1,996.0	2,109.1	1,996.2	-	1,731.3	1,745.9	1,849.9	1,737.3	-
591	Drug stores and proprietary stores	497.7	507.1	512.1	500.6	-	445.8	455.6	460.0	447.8	-
592	Liquor stores	135.8	136.8	141.4	138.6	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	645.5	641.6	724.6	657.6	-	554.0	552.5	630.3	562.5	-
596	Nonstore retailers	273.6	277.5	291.5	275.0	-	252.9	256.4	270.9	255.0	-
598	Fuel and ice dealers	104.1	110.2	106.8	106.3	-	86.5	92.4	89.2	88.6	-
599	Retail stores, nec.	256.1	260.2	269.6	255.0	-	223.3	217.5	225.2	211.7	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,350	5,290	5,361	5,352	5,358	4,006	3,969	3,992	3,972	3,973
60	BANKING	1,650.1	1,644.8	1,646.0	1,646.8	-	1,237.3	1,241.5	1,229.5	1,228.8	-
602	Commercial and stock savings banks	1,504.4	1,499.9	1,499.5	1,500.0	-	1,120.9	1,125.5	1,113.3	1,112.1	-
61	CREDIT AGENCIES OTHER THAN BANKS	586.3	582.3	597.0	604.9	-	443.2	440.7	449.9	456.3	-
612	Savings and loan associations	273.9	269.2	281.8	287.2	-	208.8	204.9	214.7	219.2	-
614	Personal credit institutions	194.0	196.6	192.7	193.6	-	148.3	151.5	146.0	146.5	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	279.9	273.7	293.9	297.6	-	-	-	-	-	-
621	Security brokers and dealers	232.8	227.5	241.0	244.0	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,224.5	1,222.9	1,220.2	1,216.3	-	838.0	841.4	831.6	825.3	-
631	Life insurance	539.5	535.5	537.9	536.9	-	333.2	331.9	331.4	327.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	141.4	141.0	142.7	143.2	-	112.3	112.1	113.4	114.3	-
633	Fire, marine, and casualty insurance	472.1	474.5	467.1	464.0	-	337.4	341.8	330.5	327.7	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	475.5	468.9	477.8	477.8	-	-	-	-	-	-
65	REAL ESTATE	985.6	954.1	977.1	959.8	-	-	-	-	-	-
651	Rural estate operators and lessors	477.0	459.1	480.8	473.1	-	-	-	-	-	-
653	Real estate agents and managers	371.1	365.0	366.1	361.5	-	-	-	-	-	-
655	Subdividers and developers	119.8	111.5	113.1	108.2	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	19.3	19.4	19.3	18.5	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	128.7	123.5	130.0	130.2	-	-	-	-	-	-
-	SERVICES	19,001	18,523	19,091	18,872	19,004	16,865	16,435	16,931	16,704	16,813
70	HOTELS AND OTHER LODGING PLACES	1,039.2	1,039.8	1,024.6	1,000.4	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,057.5	1,010.3	994.0	972.3	-	968.3	921.7	907.8	883.7	-
72	PERSONAL SERVICES	924.5	920.9	932.7	945.0	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	349.6	350.8	349.3	346.7	-	311.4	312.3	310.6	308.2	-
723	Beauty shops	294.7	287.6	302.1	302.1	-	272.1	267.0	280.0	279.4	-
726	Funeral service and crematories	73.6	71.6	74.3	75.0	-	-	-	-	-	-
73	BUSINESS SERVICES	3,298.2	3,258.5	3,355.0	3,336.1	-	2,873.2	2,837.9	2,923.8	2,899.7	-
731	Advertising	159.0	156.5	160.4	162.0	-	122.1	120.1	122.3	123.7	-
732	Credit reporting and collection	75.4	74.7	77.1	77.4	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	132.2	133.0	134.5	133.5	-	85.2	85.2	85.2	85.2	-
734	Services to buildings	532.9	520.3	536.4	535.5	-	485.2	473.0	489.0	485.7	-
736	Personnel supply services	557.8	566.4	561.4	553.2	-	-	-	-	-	-
737	Computer and data processing services	357.5	353.1	370.1	372.0	-	292.2	286.8	303.6	304.2	-
75	AUTO REPAIR, SERVICES, AND GARAGES	579.5	569.6	579.0	571.7	-	490.0	482.1	488.2	482.6	-
753	Automotive repair shops	359.8	353.2	357.7	356.0	-	300.6	295.8	298.1	297.3	-
76	MISCELLANEOUS REPAIR SERVICES	294.3	296.3	288.6	284.3	-	248.5	250.7	243.3	238.8	-
78	MOTION PICTURES	211.8	205.5	212.1	200.4	-	181.8	176.0	182.4	171.4	-
781	Motion picture production and services	79.7	81.9	87.9	79.5	-	64.3	65.9	72.3	64.5	-
783	Motion picture theaters	121.5	112.8	113.6	110.3	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	837.1	708.6	777.6	739.1	-	758.3	633.4	706.5	667.5	-
80	HEALTH SERVICES	5,776.5	5,675.9	5,839.3	5,852.6	-	5,173.5	5,079.3	5,227.8	5,236.4	-
801	Offices of physicians	819.2	801.4	836.1	834.6	-	671.5	657.2	685.4	684.3	-
802	Offices of dentists	334.9	374.7	394.2	398.1	-	340.6	331.4	349.0	351.6	-
805	Nursing and personal care facilities	1,066.0	1,048.5	1,079.3	1,086.6	-	965.1	949.1	976.7	983.5	-
806	Hospitals	3,004.5	2,962.8	3,013.3	3,015.9	-	2,758.0	2,717.2	2,766.0	2,766.3	-
81	LEGAL SERVICES	536.4	545.2	581.0	579.7	-	478.4	460.9	490.1	488.6	-
82	EDUCATIONAL SERVICES	1,180.5	1,168.2	1,255.6	1,171.2	-	-	-	-	-	-
821	Elementary and secondary schools	337.4	314.1	315.1	314.3	-	-	-	-	-	-
822	Colleges and universities	749.4	734.2	809.0	728.4	-	-	-	-	-	-
83	SOCIAL SERVICES	1,183.2	1,152.7	1,212.3	1,208.2	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,534.8	1,511.7	1,539.5	1,515.1	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,061.3	1,061.6	1,053.0	1,053.1	-	858.5	877.5	857.8	860.0	-
891	Engineering and architectural services	568.7	570.0	558.0	549.0	-	467.7	476.0	457.1	450.7	-
893	Accounting, auditing, and bookkeeping	353.3	352.3	357.1	366.4	-	284.3	285.0	285.2	293.7	-
	GOVERNMENT	15,788	15,862	15,948	15,727	15,970	-	-	-	-	-
	FEDERAL GOVERNMENT	2,739	2,717	2,733	2,726	2,737	-	-	-	-	-
	Executive, by agency ⁴	2,683.8	2,662.5	2,678.9	-	-	-	-	-	-	-
	Department of Defense	939.2	924.1	943.7	-	-	-	-	-	-	-
	Postal Service	662.3	660.5	669.0	-	-	-	-	-	-	-
	Other executive agencies	1,082.3	1,077.9	1,066.2	-	-	-	-	-	-	-
	Legislative	39.1	39.0	38.2	-	-	-	-	-	-	-
	Judicial	15.6	15.3	15.9	-	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	136.6	134.5	138.5	139.2	—	—	—	—	—	—
3731	Shipbuilding and repairing	81.2	80.4	82.1	82.7	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	42.4	43.0	40.7	40.2	—	—	—	—	—	—
—	Services	332.6	386.0	388.3	386.2	—	—	—	—	—	—
806	Federal government hospitals	233.4	230.6	233.8	233.0	—	—	—	—	—	—
	STATE AND LOCAL GOVERNMENT	13,050	13,145	13,215	13,001	13,233					
—	State government	3,532.6	3,573.8	3,647.9	3,543.8	—	—	—	—	—	—
806	State government hospitals	516.2	519.9	511.9	510.9	—	—	—	—	—	—
82	State education	1,339.5	1,378.5	1,494.6	1,388.4	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,047.9	1,046.1	1,026.6	1,031.1	—	—	—	—	—	—
—	Local government	9,457.1	9,571.6	9,567.0	9,457.5	—	—	—	—	—	—
—	Transportation and public utilities	581.8	578.3	584.2	583.6	—	—	—	—	—	—
806	Local government hospitals	645.7	637.4	650.9	651.3	—	—	—	—	—	—
82	Local education	5,113.6	5,322.6	5,283.1	5,134.4	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,815.7	2,732.4	2,761.1	2,752.4	—	—	—	—	—	—

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

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

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

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

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Aug. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
-	TOTAL	39,020	39,775	39,155	39,344	39,662
-	PRIVATE SECTOR	31,454	31,949	31,564	31,638	31,785
-	MINING	137	140	132	131	130
10	METAL MINING	6.4	9.0	5.3	5.4	5.5
11, 12	COAL MINING	11.5	11.6	11.3	11.2	10.9
13	OIL AND GAS EXTRACTION	109.4	109.2	106.0	105.1	104.3
131, 2	Crude petroleum, natural gas, and natural gas liquids	70.0	68.5	70.0	69.9	70.0
138	Oil and gas field services	39.3	40.7	36.0	35.2	34.3
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.4	9.8	9.4	9.1	9.0
142	Crushed and broken stone	2.7	2.7	2.7	2.6	2.6
144	Sand and gravel	3.0	3.0	3.0	3.0	2.9
-	CONSTRUCTION	381	379	382	380	379
15	GENERAL BUILDING CONTRACTORS	121.3	124.8	121.1	120.6	120.5
152	Residential building construction	69.0	71.0	69.3	69.1	69.0
153	Operative builders	13.6	13.9	13.4	13.3	13.1
154	Nonresidential building construction	38.6	39.9	38.4	38.2	38.4
16	HEAVY CONSTRUCTION CONTRACTORS	63.7	63.4	65.2	63.4	62.1
161	Highway and street construction	14.8	15.3	15.7	14.8	13.4
162	Heavy construction, except highway	49.0	48.1	49.5	48.6	48.7
17	SPECIAL TRADE CONTRACTORS	195.9	190.4	195.4	196.0	196.2
171	Plumbing, heating, air conditioning	52.3	52.1	52.0	52.0	52.2
172	Painting, paper hanging, decorating	11.9	11.4	11.8	12.0	11.5
173	Electrical work	37.8	37.1	38.0	38.4	38.4
174	Masonry, stonework, and plastering	21.1	21.3	21.1	21.4	21.4
175	Carpentering and flooring	13.8	13.9	13.7	13.3	13.9
176	Roofing and sheet metal work	12.6	12.7	12.8	13.1	12.9
-	MANUFACTURING	6,003	6,243	5,958	5,887	5,819
24, 25, 32-39	DURABLE GOODS	2,847	2,987	2,779	2,751	2,728
20-23, 26-31	NONDURABLE GOODS	3,157	3,256	3,179	3,136	3,091
-	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	91.1	92.8	91.7	91.0	91.2
241	Logging camps and logging contractors	5.5	5.2	5.7	5.6	5.7
242	Sawmills and planing mills	17.8	17.7	18.4	18.5	18.6
2421	Sawmills and planing mills, general	12.5	12.5	12.9	12.9	12.9
243	Millwork, plywood, and structural members	34.9	35.4	34.8	34.9	34.8
244	Wood containers	6.6	6.8	6.7	6.2	6.2
245	Wood buildings and mobile homes	7.2	7.6	7.0	7.0	7.0
249	Miscellaneous wood products	13.1	20.1	19.1	18.8	18.9
25	FURNITURE AND FIXTURES	132.5	140.0	131.8	132.4	132.3
251	Household furniture	90.8	98.0	90.3	90.5	91.0
2511	Wood household furniture	38.6	41.3	38.5	38.5	38.8
2512	Upholstered household furniture	29.3	31.1	29.4	29.7	29.8
2515	Mattresses and bedsprings	7.7	7.9	7.5	7.5	7.4
252	Office furniture	13.6	14.2	13.1	13.3	12.9
253	Public building and related furniture	5.2	5.3	5.0	5.0	5.0
254	Partitions and fixtures	10.3	10.4	10.2	10.3	10.1
259	Miscellaneous furniture and fixtures	12.6	12.1	13.2	13.3	13.3
32	STONE, CLAY, AND GLASS PRODUCTS	115.1	121.6	112.7	110.4	108.2
322	Glass and glassware, pressed or blown	36.5	39.0	35.5	34.4	34.0
3221	Glass containers	21.3	21.8	21.0	20.5	19.9
3229	Pressed and blown glass, nec	15.2	17.2	14.5	13.9	14.1
323	Products of purchased glass	11.9	12.2	11.6	11.4	11.3
324	Cement, hydraulic	1.7	1.8	1.6	1.7	1.6
325	Structural clay products	5.7	6.2	5.7	5.6	5.5
326	Pottery and related products	13.6	14.4	13.9	13.7	13.4
327	Concrete, gypsum, and plaster products	14.6	14.7	14.7	14.5	14.2
329	Misc. nonmetallic mineral products	28.2	30.5	26.6	26.0	25.1
33	PRIMARY METAL INDUSTRIES	103.6	116.1	96.5	93.1	92.7
331	Blast furnace and basic steel products	30.5	37.3	26.5	26.2	25.3
3312	Blast furnaces and steel mills	21.9	27.3	18.8	18.7	18.0
332	Iron and steel foundries	15.1	16.8	13.0	12.3	12.2

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Avq. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	6.7	7.5	6.0	5.5	5.5
3322	Malleable iron foundries .....	.9	1.0	.8	.8	.8
3325	Steel foundries, nec	3.8	4.4	3.2	3.1	3.0
333	Primary nonferrous metals	4.2	4.8	3.6	3.6	3.6
3334	Primary aluminum	1.7	2.0	1.5	1.5	1.5
335	Nonferrous rolling and drawing	34.1	37.2	33.6	31.9	32.4
3351	Copper rolling and drawing	3.0	3.3	2.9	2.9	2.8
3353	Aluminum sheet, plate, and foil	3.1	3.2	3.0	2.9	2.9
3357	Nonferrous wire drawing and insulating	20.8	23.5	20.1	18.9	19.5
336	Nonferrous foundries	14.3	14.7	14.5	14.0	14.1
3361	Aluminum foundries	7.5	7.9	7.6	7.3	7.3
34	FABRICATED METAL PRODUCTS	304.3	322.0	296.9	294.3	292.7
341	Metal cans and shipping containers	11.4	11.1	10.8	10.8	10.4
3411	Metal cans	9.6	9.4	9.0	9.0	8.7
342	Cutlery, hand tools, and hardware	46.4	51.6	44.8	44.6	44.5
3423, 5	Hand and edge tools, and hand saws and blades	13.4	15.3	12.7	12.6	12.6
3429	Hardware, nec	26.8	29.7	26.0	26.1	26.0
343	Plumbing and heating, except electric	16.6	17.3	16.8	16.9	17.1
344	Fabricated structural metal products	67.5	70.5	67.0	66.7	66.2
3441	Fabricated structural metal	7.1	7.8	6.7	6.7	6.6
3442	Metal doors, sash, and trim	20.1	19.4	21.3	21.4	21.1
3443	Fabricated plate work (boiler shops)	17.2	18.7	16.1	15.9	15.7
3444	Sheet metal work	14.5	15.1	14.5	14.4	14.3
345	Screw machine products, bolts, etc.	20.6	22.7	19.3	19.2	19.1
3451	Screw machine products	10.2	11.1	9.7	9.6	9.4
3452	Bolts, nuts, rivets, and washers	10.3	11.6	9.6	9.6	9.7
346	Metal forgings and stampings	45.2	47.8	44.0	42.8	42.1
3462	Iron and steel forgings	3.4	3.9	3.1	2.9	2.9
3465	Automotive stampings	11.6	11.6	11.5	10.4	10.1
3469	Metal stampings, nec	27.8	29.8	27.3	27.4	27.0
347	Metal services, nec	21.9	22.6	21.5	20.9	21.1
3471	Plating and polishing	16.1	16.4	16.1	15.6	15.7
3479	Metal coating and allied services	5.8	6.2	5.4	5.3	5.4
348	Ordinance and accessories, nec	20.1	19.6	20.1	20.2	20.3
349	Misc. fabricated metal products	54.7	58.8	52.6	52.2	51.9
3494	Valves and pipe fittings	20.9	22.9	19.7	19.5	19.3
3496	Misc. fabricated wire products	13.6	14.0	13.4	13.4	13.2
35	MACHINERY, EXCEPT ELECTRICAL	485.9	514.3	463.6	460.0	459.1
351	Engines and turbines	21.4	25.0	19.8	19.4	19.3
3511	Turbines and turbine generator sets	6.3	6.6	6.1	6.1	6.1
3519	Internal combustion engines, nec	15.1	18.4	13.7	13.3	13.2
352	Farm and garden machinery	22.4	25.2	20.9	20.5	21.0
3523	Farm machinery and equipment	15.9	17.8	15.1	14.5	14.2
353	Construction and related machinery	47.3	54.1	39.5	38.8	37.9
3531	Construction machinery	13.0	15.5	10.1	10.2	9.7
3533	Oil field machinery	16.8	19.0	13.7	13.2	12.9
354	Metalworking machinery	50.8	57.4	47.9	47.8	47.4
3541	Machine tools, metal cutting types	8.5	9.9	7.4	7.4	7.2
3544	Special dies, tools, jigs, and fixtures	14.7	16.0	14.2	14.3	14.5
3545	Machine tool accessories	12.0	13.4	11.0	10.9	10.7
355	Special industry machinery	27.3	28.8	26.2	26.3	26.2
3551	Food products machinery	5.3	5.6	5.1	5.0	5.0
3552	Textile machinery	4.5	5.0	4.1	4.2	4.2
3555	Printing trades machinery	7.0	6.7	7.1	7.1	7.2
356	General industrial machinery	56.1	62.3	51.5	50.5	49.5
3561	Pumps and pumping equipment	10.5	11.5	9.8	9.6	9.5
3562	Ball and roller bearings	11.9	13.4	10.5	10.4	10.0
357	Office and computing machines	181.3	176.4	182.5	182.4	183.7
3573	Electronic computing equipment	155.5	150.0	156.8	157.0	158.1
358	Refrigeration and service machinery	34.5	36.8	32.5	32.5	32.5
3585	Refrigeration and heating equipment	22.6	24.0	20.6	20.7	20.9
359	Misc. machinery, except electrical	44.9	48.3	42.8	41.8	41.6
3599	Machinery, except electrical, nec	36.4	39.6	34.8	34.2	34.1
36	ELECTRIC AND ELECTRONIC EQUIPMENT	853.5	881.3	835.7	829.7	819.5
361	Electric distributing equipment	42.1	45.4	40.9	40.6	40.2
3612	Transformers	17.7	19.5	17.4	17.2	16.8
3613	Switchgear and switchboard apparatus	24.3	26.9	23.5	23.4	23.4
362	Electrical industrial apparatus	79.2	87.9	73.2	72.2	70.9
3621	Motors and generators	42.5	48.6	39.2	39.0	38.5
3622	Industrial controls	26.3	27.5	24.5	23.9	23.1
363	Household appliances	51.1	51.4	50.2	49.8	46.9
3632	Household refrigerators and freezers	7.5	6.1	6.2	5.9	5.6
3633	Household laundry equipment	3.6	2.9	3.5	3.5	3.4
3634	Electric housewares and fans	25.7	27.5	26.9	26.7	24.7
364	Electric lighting and wiring equipment	83.3	88.5	81.2	80.1	74.2
3641	Electric lamps	18.9	19.4	18.2	18.0	12.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	36.7	39.9	35.6	35.1	35.1
365	Radio and TV receiving equipment	49.7	54.1	48.5	47.5	47.0
3651	Radio and TV receiving sets	37.4	40.5	35.9	35.3	34.9
366	Communication equipment	209.8	215.0	206.8	206.5	206.4
3661	Telephone and telegraph apparatus	68.3	73.8	65.3	64.9	64.2
3662	Radio and TV communication equipment	141.5	141.2	141.5	141.6	142.2
367	Electronic components and accessories	284.0	286.2	279.7	278.3	279.8
3671-3	Electronic tubes	16.0	15.9	16.2	16.4	16.6
3674	Semiconductors and related devices	105.1	102.9	104.6	104.7	105.7
3679	Electronic components, nec.	118.4	119.9	116.7	115.9	116.3
369	Misc. electrical equipment and supplies	54.5	51.8	55.1	54.7	54.2
3694	Engine electrical equipment	24.3	21.4	25.0	24.6	24.8
37	TRANSPORTATION EQUIPMENT	284.1	293.7	278.6	274.9	276.3
371	Motor vehicles and equipment	97.9	107.1	95.3	91.9	93.1
3711	Motor vehicles and car bodies	33.7	39.9	33.8	31.7	33.8
3713	Truck and bus bodies	3.2	3.7	2.9	2.7	2.6
3714	Motor vehicle parts and accessories	57.7	60.0	55.3	54.2	53.3
372	Aircraft and parts	117.9	123.8	115.3	115.1	115.4
3721	Aircraft	65.1	69.1	63.4	63.4	63.4
3724	Aircraft engines and engine parts	25.9	27.6	25.4	25.2	25.4
3728	Aircraft equipment, nec.	26.9	27.1	26.5	26.5	26.6
373	Ship and boat building and repairing	23.2	24.2	23.3	23.2	23.0
3731	Ship building and repairing	17.2	18.3	17.5	17.5	17.3
374	Railroad equipment	4.1	5.2	3.6	3.5	3.3
376	Guided missiles, space vehicles, parts	29.4	28.8	29.8	30.0	30.2
3761	Guided missiles and space vehicles	24.1	23.6	24.4	24.7	24.8
379	Miscellaneous transportation equipment	7.1	7.1	7.2	7.3	7.4
38	INSTRUMENTS AND RELATED PRODUCTS	299.0	309.3	292.6	290.1	288.3
381	Engineering and scientific instruments	23.8	24.9	23.2	23.0	22.8
382	Measuring and controlling devices	103.4	109.6	99.8	98.5	98.7
3822	Environmental controls	20.7	22.0	19.9	19.7	20.2
3823	Process control instruments	18.9	20.5	17.9	17.7	17.7
3825	Instruments to measure electricity	47.4	48.4	46.2	45.7	45.6
383	Optical instruments and lenses	11.5	11.8	11.5	11.3	11.0
384	Medical instruments and supplies	87.7	88.9	87.2	86.8	86.3
3841	Surgical and medical instruments	43.3	43.6	43.3	43.0	42.7
3842	Surgical appliances and supplies	36.8	37.3	36.8	36.8	36.6
385	Ophthalmic goods	21.6	23.2	20.5	20.3	20.5
386	Photographic equipment and supplies	40.1	40.0	39.2	39.1	38.3
387	Watches, clocks, and watchcases	10.9	10.9	11.2	11.1	10.7
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	177.5	189.4	178.6	175.2	167.3
391	Jewelry, silverware, and plated ware	25.9	27.5	27.5	27.4	26.6
393	Musical instruments	8.9	9.8	8.6	8.8	8.6
394	Toys and sporting goods	54.7	57.9	54.3	51.5	46.6
3942, 4	Dolls, games, toys, and children's vehicles	28.5	28.9	29.3	26.8	22.0
3949	Sporting and athletic goods, nec.	26.3	29.0	25.0	24.7	24.6
395	Pens, pencils, office and art supplies	18.4	20.2	17.4	17.3	16.9
396	Costume jewelry and notions	23.4	26.1	24.3	24.3	23.1
399	Miscellaneous manufactures	46.1	47.9	46.5	45.9	45.5
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	494.3	493.9	529.9	509.5	489.1
201	Meat products	112.9	115.9	114.2	115.0	111.3
2011	Meat packing plants	26.8	28.2	26.5	26.7	26.6
2013	Sausages and other prepared meats	20.9	21.1	20.8	21.1	20.7
2016	Poultry dressing plants	58.6	60.0	60.2	60.5	57.6
202	Dairy products	36.1	36.4	35.6	35.5	35.5
2026	Fluid milk	15.9	16.0	15.7	15.5	15.4
203	Preserved fruits and vegetables	99.4	88.2	120.7	103.3	90.3
2032	Canned specialties	8.6	9.0	9.4	8.6	9.5
2033	Canned fruits and vegetables	33.6	24.9	44.9	32.2	24.3
2037	Frozen fruits and vegetables	22.5	20.8	27.8	25.1	22.5
204	Grain mill products	28.8	29.5	29.1	29.4	29.7
205	Bakery products	58.2	57.8	59.2	59.4	59.2
2051	Bread, cake, and related products	38.7	38.2	39.0	39.4	39.2
2052	Cookies and crackers	19.5	19.6	20.2	20.0	20.0
206	Sugar and confectionery products	43.0	47.4	51.0	50.5	48.3
207	Fats and oils	5.9	6.0	6.0	6.0	5.9
208	Beverages	43.0	43.2	43.2	43.0	42.5
2082	Malt beverages	8.0	8.2	7.7	7.6	7.5
2086	Bottled and canned soft drinks	19.6	18.9	19.5	19.5	19.5
209	Misc. foods and kindred products	67.1	69.5	70.9	67.4	66.4
21	TOBACCO MANUFACTURES	23.2	25.9	25.0	22.9	24.6
211	Cigarettes	14.0	14.6	13.6	13.7	13.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
22	TEXTILE MILL PRODUCTS	357.0	379.7	353.6	350.2	347.0
221	Weaving mills, cotton	54.4	50.1	52.3	51.6	52.5
222	Weaving mills, synthetics	39.7	44.8	38.8	38.2	37.9
223	Weaving and finishing mills, wool	6.6	7.1	6.3	6.2	6.3
224	Narrow fabric mills	13.1	14.1	12.8	12.7	12.5
225	Knitting mills	131.5	135.1	133.7	132.9	129.2
2251	Women's hosiery, except socks	24.2	25.4	24.2	24.2	24.3
2252	Hosiery, nec	22.3	23.4	22.1	22.1	21.7
2253	Knit outerwear mills	48.1	48.4	50.7	50.0	46.4
2254	Knit underwear mills	20.5	20.7	20.8	21.2	21.3
2257	Circular knit fabric mills	9.5	9.9	9.3	9.3	9.2
226	Textile finishing, except wool	20.0	20.8	19.6	19.2	19.3
2261	Finishing plants, cotton	9.4	9.8	9.3	9.1	9.1
2262	Finishing plants, synthetic	5.3	5.6	5.0	4.9	4.9
227	Floor covering mills	20.3	21.3	20.1	20.1	20.0
228	Yarn and thread mills	54.3	57.4	53.6	53.2	53.3
2281	Yarn mills, except wool	35.6	36.7	35.6	35.2	35.5
2282	Throwing and winding mills	10.2	11.0	10.1	9.9	9.8
229	Miscellaneous textile goods	17.1	19.0	16.4	16.1	16.0
23	APPAREL AND OTHER TEXTILE PRODUCTS	934.1	979.0	932.5	921.3	903.6
231	Men's and boys' suits and coats	57.3	61.0	56.0	55.5	55.8
232	Men's and boys' furnishings	275.0	290.3	273.1	272.4	269.8
2321	Men's and boys' shirts and nightwear	79.7	83.4	78.9	78.4	76.0
2327	Men's and boys' separate trousers	56.8	59.6	55.1	55.8	56.3
2328	Men's and boys' work clothing	78.6	82.8	79.7	78.7	79.0
233	Women's and misses' outerwear	316.6	326.8	317.9	310.8	301.9
2331	Women's and misses' blouses and waists	52.0	52.9	53.4	53.2	51.1
2335	Women's and misses' dresses	108.4	111.0	107.5	103.1	98.2
2337	Women's and misses' suits and coats	43.4	44.5	45.1	43.0	41.8
2339	Women's and misses' outerwear, nec	112.7	118.4	111.9	111.5	110.8
234	Women's and children's undergarments	74.2	78.3	74.2	73.3	72.0
2341	Women's and children's underwear	61.3	63.4	62.2	61.1	59.8
2342	Brassieres and allied garments	12.8	14.9	12.0	12.2	12.2
236	Children's outerwear	51.9	54.6	51.2	50.2	49.7
2361	Children's dresses and blouses	23.1	24.5	23.0	22.9	22.8
238	Misc. apparel and accessories	39.5	42.7	39.3	39.3	36.0
239	Misc. fabricated textile products	104.2	109.7	105.9	105.1	103.9
2391	Curtains and draperies	18.9	22.0	18.9	18.9	18.6
2392	House furnishings, nec	30.3	31.9	32.1	32.3	31.8
2396	Automotive and apparel trimmings	13.3	13.2	13.5	12.7	12.8
26	PAPER AND ALLIED PRODUCTS	152.6	157.6	151.0	149.6	149.1
261, 2,6	Paper and pulp mills	26.8	27.7	26.1	26.1	26.0
262	Paper mills, except building paper	24.1	24.9	23.5	23.5	23.4
263	Paperboard mills	5.5	5.7	5.2	5.3	5.3
264	Misc. converted paper products	75.2	77.1	74.0	73.6	73.7
265	Paperboard containers and boxes	45.2	47.1	45.7	44.6	44.1
27	PRINTING AND PUBLISHING	515.9	519.2	514.6	514.6	518.5
271	Newspapers	165.2	165.7	164.6	166.1	166.4
272	Periodicals	59.6	59.3	59.9	60.2	60.7
273	Books	52.7	54.0	50.2	50.3	52.1
274	Miscellaneous publishing	27.6	27.5	28.2	27.8	28.5
275	Commercial printing	133.8	135.0	134.5	133.6	134.5
2751	Commercial printing, letterpress	51.6	53.9	52.4	51.4	51.2
2752	Commercial printing, lithographic	75.9	74.6	76.0	76.2	77.0
276	Manifold business forms	15.9	16.3	15.7	15.6	15.9
278	Blankbooks and bookbinding	33.6	33.9	33.3	32.5	32.4
279	Printing trade services	12.8	12.2	13.4	13.4	13.6
28	CHEMICALS AND ALLIED PRODUCTS	279.1	284.0	274.7	274.2	272.1
281	Industrial inorganic chemicals	24.0	23.8	23.8	23.7	23.5
2819	Industrial inorganic chemicals, nec	16.0	15.9	15.9	15.8	15.8
282	Plastics materials and synthetics	39.9	42.1	37.6	37.2	36.0
2821	Plastics materials and resins	11.0	11.3	10.7	10.6	10.5
2824	Organic fibers, noncellulosic	21.0	22.3	19.6	19.4	18.8
283	Drugs	86.1	85.9	86.0	86.2	86.4
2834	Pharmaceutical preparations	72.1	72.4	71.8	72.0	72.2
284	Soap, cleaners, and toilet goods	58.7	59.2	58.1	58.7	58.5
2841	Soap and other detergents	10.0	10.1	10.1	10.1	10.3
2844	Toilet preparations	36.4	37.1	35.5	36.3	36.0
285	Paints and allied products	11.5	11.8	11.4	11.3	11.2
286	Industrial organic chemicals	27.9	29.0	27.6	27.2	26.8
2861,9	Gum, wood, and industrial organic chemicals, nec	23.5	24.3	23.2	22.8	22.4
287	Agricultural chemicals	10.3	10.8	9.8	9.7	9.6
289	Miscellaneous chemical products	20.8	21.4	20.4	20.2	20.1

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
29	PETROLEUM AND COAL PRODUCTS	31.9	32.0	31.9	31.8	31.7
291	Petroleum refining	26.9	26.9	26.7	26.9	27.0
30	RUBBER AND MISC. PLASTICS PRODUCTS	243.1	251.1	242.0	238.6	236.9
301	Tires and inner tubes	9.1	10.1	9.0	8.7	8.8
302	Rubber and plastics footwear	12.9	13.6	13.1	13.3	12.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.0	6.4	5.1	4.8	4.8
306	Fabricated rubber products, nec	33.0	34.7	32.4	32.1	31.9
307	Miscellaneous plastics products	183.1	186.3	182.4	179.7	178.5
31	LEATHER AND LEATHER PRODUCTS	125.3	133.5	124.2	123.6	118.8
311	Leather tanning and finishing	2.7	2.9	2.6	2.6	2.6
314	Footwear, except rubber	85.2	99.1	84.5	84.4	81.2
3143	Men's footwear, except athletic	31.5	34.2	30.7	30.6	28.8
3144	Women's footwear, except athletic	33.3	34.1	33.4	33.9	33.6
316	Luggage	7.0	7.6	6.5	6.5	6.0
317	Handbags and personal leather goods	17.8	20.0	17.7	17.4	16.4
-	TRANSPORTATION AND PUBLIC UTILITIES	1,337	1,368	1,345	1,343	1,343
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	76.9	80.7	85.7	85.3	85.7
411	Local and suburban transportation	16.5	16.7	16.3	16.5	16.6
412	Taxicabs	6.5	6.8	6.4	6.4	6.4
413	Intercity highway transportation	4.8	4.8	4.7	4.5	4.5
415	School buses	45.6	49.1	54.6	54.2	54.5
42	TRUCKING AND WAREHOUSING	154.2	159.5	156.2	157.0	156.7
421,3	Trucking and trucking terminals	136.6	141.0	135.7	137.0	138.6
422	Public warehousing	17.6	18.5	20.5	20.0	18.1
44	WATER TRANSPORTATION	24.7	24.6	24.1	23.4	23.6
45	TRANSPORTATION BY AIR	145.2	145.0	146.2	145.4	145.4
451,2	Air transportation	135.6	135.7	136.7	135.8	135.7
46	PIPE LINES, EXCEPT NATURAL GAS	3.2	3.4	3.0	3.0	2.9
47	TRANSPORTATION SERVICES	113.8	107.5	115.5	116.2	116.8
48	COMMUNICATION	625.3	657.1	620.5	618.8	617.7
481	Telephone communication	520.7	557.8	513.3	510.1	508.4
483	Radio and television broadcasting	72.7	70.3	73.3	74.4	74.6
49	ELECTRIC, GAS, AND SANITARY SERVICES	170.8	166.2	171.5	172.0	172.6
491	Electric services	81.1	78.4	82.0	82.7	82.8
492	Gas production and distribution	40.0	39.0	40.0	39.8	40.0
493	Combination utility services	37.5	37.3	37.4	37.4	37.5
495	Sanitary services	6.7	6.6	6.7	6.8	6.9
-	WHOLESALE AND RETAIL TRADE	9,106	9,506	9,141	9,279	9,495
50,51	WHOLESALE TRADE	1,401	1,420	1,408	1,403	1,396
50	WHOLESALE TRADE-DURABLE GOODS	773	789	765	765	764
501	Motor vehicles and automotive equipment	90.0	89.2	89.7	89.7	89.7
502	Furniture and home furnishings	46.2	46.8	46.8	47.2	47.4
503	Lumber and construction materials	37.0	37.7	37.2	37.6	37.1
504	Sporting goods, toys, and hobby goods	24.2	24.5	24.6	24.0	24.4
505	Metals and minerals, except petroleum	27.4	29.7	25.9	25.6	25.5
506	Electrical goods	128.1	130.9	126.9	127.2	127.0
507	Hardware, plumbing, and heating equipment	64.6	65.9	64.2	64.5	64.5
508	Machinery, equipment, and supplies	310.9	316.7	306.6	305.2	304.8
509	Miscellaneous durable goods	44.8	47.1	43.5	43.9	43.7
51	WHOLESALE TRADE-NONDURABLE GOODS	627	631	643	638	632
511	Paper and paper products	51.0	49.9	52.0	52.3	52.3
512	Drugs, proprietaries, and sundries	67.7	65.9	69.6	69.7	68.8
513	Apparel, piece goods, and notions	84.4	82.6	87.1	87.1	85.4
514	Groceries and related products	150.9	155.1	150.7	149.6	148.0
516	Chemicals and allied products	38.0	36.7	38.6	38.5	38.7
517	Petroleum and petroleum products	55.7	55.5	55.6	55.8	56.1
518	Beer, wine, and distilled beverages	22.0	22.2	21.9	21.9	22.0
519	Miscellaneous nondurable goods	122.0	121.1	124.5	121.4	121.5

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Avg. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
52-59	RETAIL TRADE	7,706	8,086	7,733	7,876	8,099
52	BUILDING MATERIALS AND GARDEN SUPPLIES	157.1	160.5	158.2	160.1	162.7
521	Lumber and other building materials	63.0	63.8	63.5	64.9	65.1
525	Hardware stores	55.3	57.6	55.9	56.1	57.8
53	GENERAL MERCHANDISE STORES	1,509.9	1,680.5	1,515.9	1,591.1	1,706.2
531	Department stores	1,250.7	1,389.1	1,258.2	1,326.4	1,425.3
533	Variety stores	171.6	192.9	169.7	175.2	184.4
539	Misc. general merchandise stores	87.6	98.5	88.0	89.5	96.5
54	FOOD STORES	1,077.3	1,086.3	1,091.1	1,110.8	1,123.3
541	Grocery stores	902.9	903.3	916.1	926.0	931.3
542	Meat markets and freezer provisioners	16.9	16.8	17.2	17.6	17.3
546	Retail bakeries	81.7	82.7	82.2	83.7	84.5
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	314.5	314.0	315.2	316.9	316.0
551,2	New and used car dealers	108.2	110.2	107.9	108.3	108.5
553	Auto and home supply stores	50.7	51.5	51.6	52.0	52.3
554	Gasoline service stations	140.5	138.3	141.8	141.6	140.8
56	APPAREL AND ACCESSORY STORES	676.2	754.2	674.5	696.0	751.6
561	Men's and boys' clothing and furnishings	57.3	67.0	56.5	58.4	66.7
562	Women's ready-to-wear stores	311.4	346.4	311.5	320.6	339.6
565	Family clothing stores	136.5	160.1	134.0	141.0	159.6
566	Shoe stores	89.0	91.9	88.4	89.7	94.7
57	FURNITURE AND HOME FURNISHING STORES	206.2	214.0	208.3	211.4	216.1
571	Furniture and home furnishings stores	135.2	139.7	135.2	137.9	139.5
572	Household appliance stores	23.3	23.8	23.8	23.4	24.2
573	Radio, television, and music stores	47.8	50.5	49.3	50.1	52.4
58	EATING AND DRINKING PLACES	2,668.9	2,694.9	2,660.6	2,648.4	2,633.6
59	MISCELLANEOUS RETAIL	1,095.8	1,181.8	1,107.7	1,141.5	1,189.9
591	Drug stores and proprietary stores	315.7	330.1	313.6	317.1	325.3
592	Liquor stores	37.1	40.6	39.8	38.2	39.2
594	Miscellaneous shopping goods stores	395.3	434.3	403.0	425.5	459.1
596	Nonstore retailers	168.9	190.1	174.1	180.4	180.9
598	Fuel and ice dealers	24.4	24.6	24.4	24.9	25.0
599	Retail stores, nec	132.9	141.2	130.7	133.2	138.1
-	FINANCE, INSURANCE, AND REAL ESTATE	3,203	3,189	3,199	3,206	3,216
60	BANKING	1,171.4	1,168.0	1,168.0	1,169.2	1,170.9
602	Commercial and stock savings banks	1,076.9	1,073.7	1,073.1	1,074.3	1,075.6
61	CREDIT AGENCIES OTHER THAN BANKS	409.2	403.7	410.7	415.0	419.0
612	Savings and loan associations	206.1	201.1	208.8	211.5	213.5
614	Personal credit institutions	128.3	130.0	127.2	127.7	128.1
62	SECURITY, COMMODITY BROKERS, AND SERVICES	122.1	117.9	123.2	125.1	126.8
621	Security brokers and dealers	101.5	97.6	102.4	104.1	105.6
63	INSURANCE CARRIERS	743.1	752.0	738.6	738.0	737.6
631	Life insurance	299.5	305.6	298.2	297.8	297.0
632	Medical service and health insurance	101.8	101.9	101.7	101.7	102.1
633	Fire, marine, and casualty insurance	294.0	296.4	290.7	290.0	289.5
64	INSURANCE AGENTS, BROKERS, AND SERVICE	301.4	298.2	301.4	301.6	301.7
65	REAL ESTATE	375.5	371.3	376.1	375.6	379.7
651	Real estate operators and lessors	156.3	152.1	157.5	156.9	160.9
653	Real estate agents and managers	172.3	171.6	172.2	172.3	172.3
655	Subdividers and developers	34.3	34.4	34.2	34.3	34.3
66	COMBINED REAL ESTATE, INSURANCE, ETC.	11.7	11.8	11.5	11.5	11.6
67	HOLDING AND OTHER INVESTMENT OFFICES	68.2	65.8	69.2	69.6	68.9
-	SERVICES	11,286	11,124	11,407	11,412	11,403
70	HOTELS AND OTHER LODGING PLACES	598.3	573.8	588.5	564.8	552.0
701	Hotels, motels, and tourist courts	576.0	556.1	570.9	548.1	535.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Avg. 1982	Dec. 1981	Oct. 1982	Nov. 1982	Dec. 1982
72	PERSONAL SERVICES	641.5	631.5	542.4	647.2	649.2
721	Laundry, cleaning, and garment services	220.7	224.6	221.7	221.3	219.5
723	Beauty shops	264.2	258.9	266.1	270.6	271.4
726	Funeral service and crematories	20.6	19.7	21.0	20.7	21.0
73	BUSINESS SERVICES	1,441.5	1,464.4	1,456.9	1,467.9	1,476.2
731	Advertising	78.3	75.4	79.4	79.2	79.7
732	Credit reporting and collection	53.7	53.4	53.9	54.0	54.7
733	Mailing, reproduction, stenographic	65.2	65.3	65.7	67.1	65.6
734	Services to buildings	205.2	205.9	205.6	206.8	207.7
736	Personnel supply services	351.2	373.3	348.6	350.8	356.5
737	Computer and data processing services	170.6	163.0	171.6	175.1	176.9
75	AUTO REPAIR, SERVICES, AND GARAGES	99.4	94.7	100.8	101.0	102.7
753	Automotive repair shops	48.8	45.1	50.1	49.8	50.6
76	MISCELLANEOUS REPAIR SERVICES	58.8	59.1	58.2	59.1	58.6
78	MOTION PICTURES	82.8	82.4	81.1	80.0	81.6
781	Motion picture production and services	26.4	27.8	26.3	26.8	28.5
783	Motion picture theaters	50.3	48.2	48.8	47.1	47.1
79	AMUSEMENT AND RECREATION SERVICES	333.3	290.9	322.8	309.5	313.5
80	HEALTH SERVICES	4,702.9	4,609.7	4,747.0	4,755.5	4,753.0
801	Offices of physicians	640.8	623.4	649.1	650.9	652.6
802	Offices of dentists	328.6	316.7	333.4	335.3	336.8
805	Nursing and personal care facilities	944.4	925.5	954.8	956.9	956.9
806	Hospitals	2,428.5	2,394.7	2,441.8	2,440.8	2,434.0
81	LEGAL SERVICES	397.9	384.2	404.2	407.1	409.6
82	EDUCATIONAL SERVICES	635.7	663.0	686.3	693.3	679.2
821	Elementary and secondary schools	196.4	193.8	206.6	208.6	208.8
822	Colleges and universities	369.8	399.7	407.5	412.1	398.0
83	SOCIAL SERVICES	879.5	870.0	897.4	902.7	906.1
89	MISCELLANEOUS SERVICES	362.5	354.8	359.5	361.9	363.2
891	Engineering and architectural services	127.5	126.6	126.7	126.8	125.7
893	Accounting, auditing, and bookkeeping	173.9	166.0	173.9	175.4	177.6
	GOVERNMENT	7,566	7,826	7,591	7,706	7,877
	FEDERAL GOVERNMENT	883	868	875	884	897
	STATE AND LOCAL GOVERNMENT	6,683	6,958	6,716	6,822	6,990
	State government	1,626.1	1,685.2	1,631.8	1,645.5	1,827.3
	Hospitals	320.8	329.4	318.3	317.9	318.0
	State education	663.1	703.4	692.1	706.8	893.8
	General administration including executive, legislative, and judicial functions	430.1	438.4	414.5	413.2	409.0
	Local government	5,056.9	5,272.6	5,084.0	5,176.2	5,162.8
	Transportation and public utilities	96.9	95.6	96.6	97.1	97.4
	Hospitals	526.5	517.8	530.0	529.2	529.5
	Local education	3,269.2	3,533.2	3,328.5	3,404.1	3,402.4
	General administration including executive, legislative, and judicial functions	974.0	936.6	955.1	968.2	955.6

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

(In thousands)

Industry division and group	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. P	Feb. P
TOTAL	90,459	90,304	90,083	90,166	89,839	89,535	89,313	89,264	88,877	88,750	88,565	88,895	88,715
GOODS-PRODUCING	24,631	24,450	24,289	24,255	23,994	23,840	23,657	23,530	23,239	23,081	22,986	23,141	23,018
MINING	1,203	1,197	1,182	1,152	1,124	1,100	1,086	1,075	1,058	1,046	1,037	1,028	1,015
CONSTRUCTION	3,974	3,934	3,938	3,988	3,940	3,927	3,999	3,883	3,856	3,854	3,818	3,916	3,782
MANUFACTURING	19,454	19,319	19,169	19,115	18,930	18,813	18,572	18,572	18,325	18,181	18,131	18,197	18,221
DURABLE GOODS	11,575	11,490	11,375	11,332	11,203	11,133	10,993	10,903	10,566	10,550	10,519	10,563	10,532
Lumber and wood products	611	507	615	617	615	614	614	616	614	616	621	632	636
Furniture and fixtures	449	446	443	443	442	439	443	439	434	435	436	436	436
Stone, clay, and glass products	596	590	584	586	580	579	574	571	565	556	552	553	555
Primary metal industries	1,024	1,007	976	945	926	906	889	865	831	813	803	813	812
Fabricated metal products	1,505	1,496	1,481	1,472	1,452	1,446	1,427	1,414	1,381	1,365	1,358	1,368	1,372
Machinery, except electrical	2,446	2,413	2,389	2,377	2,322	2,274	2,230	2,208	2,142	2,108	2,086	2,064	2,057
Electric and electronic equipment	2,048	2,038	2,034	2,034	2,026	2,018	2,011	1,995	1,969	1,963	1,946	1,959	1,965
Transportation equipment	1,778	1,774	1,748	1,755	1,745	1,759	1,719	1,709	1,658	1,631	1,662	1,677	1,708
Instruments and related products	718	716	713	713	708	708	702	701	694	689	682	684	684
Miscellaneous manufacturing ind.	400	397	392	390	387	390	384	382	378	374	373	377	377
NONDURABLE GOODS	7,879	7,829	7,794	7,783	7,727	7,680	7,679	7,672	7,659	7,631	7,612	7,634	7,619
Food and kindred products	1,663	1,558	1,643	1,652	1,637	1,643	1,528	1,629	1,644	1,644	1,636	1,640	1,628
Tobacco manufactures	68	68	67	67	67	65	65	63	63	61	66	67	67
Textile mill products	777	760	773	759	741	741	737	735	735	726	725	722	723
Apparel and other textile products	1,201	1,186	1,165	1,165	1,161	1,126	1,145	1,143	1,141	1,134	1,131	1,144	1,136
Paper and allied products	670	558	664	661	658	657	653	657	650	652	650	650	647
Printing and publishing	1,276	1,278	1,274	1,274	1,269	1,267	1,269	1,269	1,268	1,268	1,265	1,269	1,270
Chemicals and allied products	1,093	1,088	1,082	1,079	1,073	1,068	1,070	1,066	1,061	1,059	1,054	1,053	1,056
Petroleum and coal products	208	207	206	207	205	205	205	209	208	206	206	207	206
Rubber and misc. plastic products	708	703	706	708	704	700	699	694	684	678	678	680	685
Leather and leather products	215	213	214	211	212	208	208	207	205	205	201	202	201
SERVICE-PRODUCING	65,828	65,854	65,794	65,911	65,845	65,695	65,656	65,734	65,638	65,669	65,579	65,754	65,697
TRANSPORTATION AND PUBLIC UTILITIES	5,115	5,100	5,094	5,101	5,078	5,044	5,025	5,031	5,007	4,992	4,983	4,959	4,951
WHOLESALE AND RETAIL TRADE	20,670	20,655	20,584	20,652	20,595	20,615	20,550	20,492	20,441	20,425	20,316	20,500	20,431
WHOLESALE TRADE	5,343	5,336	5,323	5,331	5,307	5,299	5,278	5,272	5,254	5,228	5,205	5,198	5,178
RETAIL TRADE	15,327	15,319	15,261	15,321	15,288	15,316	15,272	15,220	15,187	15,197	15,111	15,302	15,253
FINANCE, INSURANCE, AND REAL ESTATE	5,326	5,336	5,335	5,342	5,352	5,359	5,360	5,367	5,357	5,363	5,377	5,390	5,401
SERVICES	18,867	18,904	18,929	18,963	18,988	19,042	19,048	19,084	19,074	19,135	19,148	19,179	19,177
GOVERNMENT	15,850	15,859	15,852	15,853	15,832	15,635	15,673	15,760	15,759	15,754	15,755	15,726	15,737
FEDERAL	2,737	2,736	2,730	2,728	2,739	2,737	2,740	2,731	2,740	2,745	2,761	2,751	2,751
STATE AND LOCAL	13,113	13,123	13,122	13,125	13,093	12,898	12,933	13,029	13,019	13,009	12,994	12,975	12,986

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL	39,098	39,089	39,147	39,150	39,093	39,181	39,062	33,925	38,925	38,980	38,861	38,831	38,985
GOODS-PRODUCING	6,759	5,712	6,692	6,650	6,601	6,593	6,536	6,502	6,480	6,439	6,385	6,341	6,327
MINING	141	140	141	142	143	141	138	135	134	133	132	131	131
CONSTRUCTION	381	384	382	382	384	383	381	379	379	378	379	379	381
MANUFACTURING	6,237	5,188	6,169	6,126	6,074	6,069	6,017	5,988	5,967	5,928	5,874	5,831	5,815
DURABLE GOODS	2,972	2,957	2,942	2,922	2,894	2,831	2,865	2,860	2,834	2,804	2,753	2,725	2,714
Lumber and wood products	94	93	92	91	91	91	91	91	91	91	90	90	92
Furnitures and fixtures	137	135	135	135	133	133	133	131	132	131	130	130	130
Stone, clay, and glass products	122	120	120	119	117	117	115	116	118	114	111	109	108
Primary metal industries	116	113	112	110	107	107	105	105	103	100	96	93	93
Fabricated metal products	320	317	315	313	309	308	307	304	304	300	293	291	291
Machinery, except electrical	511	507	505	503	500	499	493	485	480	477	465	460	455
Electric and electronic equipment	874	880	876	870	867	869	860	859	855	842	830	823	812
Transportation equipment	298	296	295	293	287	286	284	288	282	279	274	270	275
Instruments and related products	309	307	306	304	303	303	301	301	297	296	293	290	288
Miscellaneous manufacturing ind.	191	188	186	184	180	178	176	180	176	174	171	169	169
NONDURABLE GOODS	3,265	3,231	3,227	3,204	3,180	3,178	3,152	3,128	3,133	3,124	3,421	3,106	3,101
Food and kindred products	500	496	499	499	491	495	490	498	490	486	497	498	495
Tobacco manufactures	25	25	24	24	24	24	24	24	23	22	22	21	23
Textile mill products	378	370	368	362	367	362	353	355	352	352	351	347	346
Apparel and other textile products	988	971	971	958	939	938	935	905	922	923	921	915	912
Paper and allied products	158	157	157	156	155	154	151	152	151	151	150	149	150
Printing and publishing	515	516	518	518	518	519	517	515	515	516	514	512	514
Chemicals and allied products	285	284	284	283	282	281	280	278	279	277	274	274	273
Petroleum and coal products	32	32	33	33	32	32	31	31	31	32	32	32	32
Rubber and misc. plastics products	250	247	245	244	245	247	245	246	246	242	238	236	236
Leather and leather products	134	133	128	127	127	126	126	124	124	123	122	122	120
SERVICE-PRODUCING	32,339	32,377	32,455	32,500	32,492	32,588	32,526	32,424	32,445	32,541	32,476	32,490	32,658
TRANSPORTATION AND PUBLIC UTILITIES	1,358	1,338	1,339	1,339	1,342	1,348	1,341	1,335	1,334	1,336	1,333	1,330	1,332
WHOLESALE AND RETAIL TRADE	9,022	9,084	9,129	9,130	9,118	9,156	9,124	9,164	9,127	9,091	9,086	9,061	9,010
WHOLESALE TRADE	1,408	1,405	1,408	1,409	1,411	1,410	1,406	1,403	1,397	1,395	1,391	1,385	1,384
RETAIL TRADE	7,614	7,679	7,721	7,721	7,707	7,746	7,718	7,761	7,730	7,696	7,695	7,676	7,626
FINANCE, INSURANCE, AND REAL ESTATE	3,189	3,185	3,185	3,190	3,194	3,202	3,211	3,209	3,211	3,215	3,205	3,209	3,216
SERVICES	11,135	11,151	11,192	11,216	11,229	11,255	11,265	11,300	11,308	11,366	11,362	11,389	11,414
GOVERNMENT	7,635	7,619	7,610	7,625	7,609	7,627	7,585	7,416	7,465	7,533	7,490	7,501	7,696
FEDERAL	881	877	875	876	873	876	881	883	886	890	886	897	900
STATE AND LOCAL	6,754	5,742	6,735	6,749	6,736	6,751	6,704	6,533	6,579	6,643	6,604	6,604	6,786

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1982												1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. ^P	Feb. ^P	
TOTAL PRIVATE	60,282	59,132	59,923	60,025	59,759	59,670	59,388	59,303	58,929	58,788	58,635	58,960	58,755	
GOODS-PRODUCING	17,225	17,373	16,922	16,917	16,686	16,564	15,414	16,308	16,037	15,895	15,814	15,966	15,848	
MINING	876	871	863	835	805	782	770	763	746	739	727	715	700	
CONSTRUCTION	3,059	3,023	3,017	3,074	3,029	3,022	2,997	2,979	2,956	2,953	2,915	3,013	2,870	
MANUFACTURING	13,290	13,179	13,042	13,008	12,852	12,760	12,647	12,566	12,335	12,203	12,172	12,238	12,278	
DURABLE GOODS	7,759	7,585	7,576	7,553	7,443	7,388	7,272	7,191	6,979	6,874	6,853	6,908	6,951	
Lumber and wood products	502	497	507	507	506	505	506	507	505	508	512	523	526	
Furniture and fixtures	356	353	350	350	349	346	350	346	342	342	343	344	343	
Stone, clay, and glass products	452	446	441	444	438	438	435	433	427	420	416	417	423	
Primary metal industries	770	755	727	702	686	669	657	638	607	591	584	595	597	
Fabricated metal products	1,089	1,081	1,069	1,063	1,046	1,043	1,027	1,017	989	975	971	983	986	
Machinery, except electrical	1,514	1,490	1,460	1,454	1,408	1,366	1,328	1,309	1,250	1,221	1,206	1,190	1,187	
Electric and electronic equipment	1,258	1,248	1,241	1,240	1,233	1,221	1,215	1,202	1,180	1,171	1,156	1,174	1,182	
Transportation equipment	1,108	1,109	1,086	1,098	1,089	1,112	1,075	1,064	1,014	990	1,015	1,028	1,055	
Instruments and related products	418	415	411	412	407	406	402	399	392	387	383	384	385	
Miscellaneous manufacturing ind.	292	290	284	283	281	282	277	276	273	269	267	270	270	
NONDURABLE GOODS	5,531	5,494	5,466	5,455	5,409	5,372	5,375	5,375	5,356	5,329	5,319	5,330	5,327	
Food and kindred products	1,142	1,138	1,125	1,133	1,121	1,129	1,115	1,116	1,128	1,128	1,124	1,124	1,117	
Tobacco manufactures	53	53	52	52	52	51	51	49	48	46	52	53	51	
Textile mill products	667	651	662	650	633	634	630	631	531	622	620	618	620	
Apparel and other textile products	1,018	1,006	987	985	982	949	967	966	963	956	954	967	958	
Paper and allied products	501	499	496	493	489	489	487	492	484	485	484	483	484	
Printing and publishing	699	701	698	699	696	694	695	695	694	693	693	692	692	
Chemicals and allied products	609	599	602	600	595	591	593	592	588	588	586	586	591	
Petroleum and coal products	124	124	123	123	122	122	122	126	125	124	123	122	124	
Rubber and misc. plastics products	538	534	541	543	542	541	540	535	525	517	517	517	523	
Leather and leather products	180	179	180	177	177	172	175	173	170	170	166	168	167	
SERVICE-PRODUCING	43,057	43,059	43,001	43,108	43,073	43,106	42,974	42,995	42,892	42,893	42,821	42,994	42,907	
TRANSPORTATION AND PUBLIC UTILITIES	4,232	4,217	4,209	4,212	4,194	4,165	4,142	4,155	4,129	4,113	4,109	4,087	4,080	
WHOLESALE AND RETAIL TRADE	18,061	18,051	17,996	18,065	18,014	18,037	17,941	17,889	17,841	17,803	17,722	17,889	17,831	
WHOLESALE TRADE	4,327	4,317	4,301	4,309	4,287	4,282	4,250	4,253	4,237	4,209	4,192	4,182	4,163	
RETAIL TRADE	13,734	13,734	13,695	13,756	13,727	13,755	13,691	13,636	13,604	13,594	13,530	13,707	13,668	
FINANCE, INSURANCE, AND REAL ESTATE	4,003	4,004	3,999	3,998	4,012	4,013	4,006	4,014	4,001	4,005	4,008	4,008	4,013	
SERVICES	16,761	16,787	16,797	16,833	16,853	16,891	16,885	16,937	16,921	16,972	16,982	17,010	16,983	

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

p = preliminary.

ESTABLISHMENT DATA

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1981.....	56.7	48.7	51.1	68.3	65.3	54.0	59.9	50.3	50.3	34.7	28.2	31.2
	1982.....	32.5	42.5	35.8	40.9	51.1	32.0	43.5	37.6	43.0	26.1	43.9	39.0
	1983.....	54.0p	48.1p										
Over 3-month span	1981.....	53.5	52.2	60.2	70.2	70.4	65.9	59.4	57.0	40.1	30.6	26.3	23.4
	1982.....	28.0	31.2	33.6	37.1	35.8	35.8	27.7	31.7	27.7	28.0	23.9	39.5p
	1983.....	44.1p											
Over 6-month span	1981.....	64.8	65.9	67.2	67.7	67.2	67.5	51.3	39.0	33.9	30.1	27.7	24.2
	1982.....	21.8	27.4	27.4	29.8	28.8	30.1	24.2	21.0	24.7	28.8p	29.3p	
	1983.....												
Over 12-month span	1981.....	73.9	71.0	70.4	62.1	50.0	43.3	35.2	33.6	31.5	27.2	27.7	25.8
	1982.....	23.1	23.1	21.2	18.8	18.0	21.0	25.8p	23.1p				
	1983.....												

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

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

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
1 ALABAMA	1,304.4	1,310.1	1,301.8	17.7	15.5	15.4	51.3	58.4	57.4	341.8	325.6	324.4
2 Birmingham	337.2	334.6	330.4	9.0	8.0	8.0	16.0	16.7	15.6	55.6	48.9	48.8
3 Huntsville	123.3	126.9	125.8	(2)	(2)	(2)	3.1	3.6	3.2	36.9	38.2	38.1
4 Mobile	147.7	147.2	146.1	(2)	(2)	(2)	8.2	9.5	9.5	30.1	26.6	26.1
5 Montgomery	103.1	104.0	103.1	(2)	(2)	(2)	4.8	5.3	5.3	15.5	14.3	14.4
6 Tuscaloosa	49.6	50.0	49.1	2.7	2.2	2.1	1.5	2.1	2.0	7.5	7.4	7.4
7 ALASKA	172.1	196.3	191.9	7.6	9.5	9.3	10.2	14.6	12.8	7.7	7.2	7.2
8 ARIZONA	1,028.2	1,043.5	1,029.0	21.9	15.8	15.8	63.8	65.2	65.9	158.3	148.9	148.0
9 Phoenix	652.2	664.8	656.9	.4	.5	.6	44.6	44.1	45.1	114.9	117.3	116.7
10 Tucson	187.1	194.7	191.9	5.6	3.8	3.8	10.8	12.4	12.3	25.4	25.7	25.3
11 ARKANSAS	711.1	719.7	710.0	6.0	5.7	5.4	27.3	28.7	28.1	196.6	190.9	191.1
12 Fayetteville—Springdale	64.5	64.5	63.9	(2)	(2)	(2)	1.9	2.1	2.1	19.5	17.9	17.7
13 Fort Smith	66.2	64.4	63.9	1.3	1.2	1.1	2.9	2.1	2.2	20.3	19.6	19.5
14 Little Rock—North Little Rock	175.3	177.2	174.4	(2)	(2)	(2)	7.5	8.2	7.7	28.1	25.1	25.0
15 Pine Bluff	29.4	29.0	28.6	(2)	(2)	(2)	1.1	1.1	.9	5.9	5.6	5.6
16 CALIFORNIA	9,834.7	9,828.0	9,677.5	51.8	48.4	48.2	374.8	344.6	336.8	1,951.7	1,854.0	1,851.2
17 Anaheim—Santa Ana—Garden Grove	855.3	850.0	834.6	3.7	3.3	3.3	41.2	35.9	33.8	219.6	218.2	218.1
18 Bakersfield	138.8	140.0	137.7	14.8	14.6	14.4	6.9	6.6	6.4	10.2	9.7	9.5
19 Fresno	173.3	177.0	171.4	1.1	1.0	1.0	8.1	8.4	7.9	20.5	20.6	19.8
20 Los Angeles—Long Beach	2,583.2	3,586.5	3,531.6	15.1	14.3	14.3	109.5	100.6	92.6	683.8	842.5	839.4
21 Modesto	83.3	84.8	82.8	.1	.1	.1	3.7	3.7	3.4	16.9	17.1	16.6
22 Oxnard—Simi Valley—Ventura	156.3	162.9	161.8	3.0	3.1	3.0	5.9	5.1	4.9	25.7	25.7	25.9
23 Riverside—San Bernardino—Ontario	435.4	434.4	432.9	2.0	1.0	1.0	19.1	20.0	19.2	61.9	56.3	56.7
24 Sacramento	401.4	408.8	404.1	.7	.8	.8	14.2	15.3	15.1	25.1	25.4	25.3
25 Salinas—Seaside—Monterey	67.1	69.7	67.7	.4	.4	.4	3.1	2.8	2.9	7.8	8.7	8.2
26 San Diego	663.3	663.6	655.0	.6	.5	.5	30.3	25.5	24.4	110.2	105.3	104.6
27 San Francisco—Oakland	1,555.8	1,576.6	1,547.8	4.3	4.5	4.4	70.4	70.3	67.2	192.3	188.0	185.4
28 San Jose	683.9	698.7	687.8	.1	.1	.1	21.0	22.1	20.9	248.5	254.1	253.0
29 Santa Barbara—Santa Maria—Lompoc	122.5	125.5	123.7	1.7	1.5	1.5	4.9	4.7	4.4	16.8	18.2	17.7
30 Santa Rosa	53.4	97.2	94.3	.5	.5	.5	4.3	4.7	4.3	15.1	15.5	14.8
31 Stockton	115.6	117.3	115.4	.1	.1	.1	4.6	4.8	4.4	19.1	18.9	18.4
32 Vallejo—Fairfield—Napa	100.8	102.1	100.2	.5	.5	.5	4.2	4.3	4.0	10.3	9.9	9.6
33 COLORADO	1,303.8	1,322.0	1,299.9	45.2	40.7	39.7	74.6	78.1	73.1	187.4	178.0	177.0
34 Denver—Boulder	836.1	849.6	835.6	28.6	28.6	28.4	44.0	46.7	44.1	129.8	122.5	121.9
35 CONNECTICUT	1,414.4	1,440.8	1,405.7	(3)	(3)	(3)	44.3	51.1	43.5	432.6	406.1	403.6
36 Bridgeport	165.9	169.2	161.7	(3)	(3)	(3)	4.1	5.1	4.4	63.3	58.9	58.3
37 Hartford	397.3	401.9	394.1	(3)	(3)	(3)	10.5	11.4	9.6	96.4	88.5	89.4
38 New Britain	61.5	60.4	58.8	(3)	(3)	(3)	1.7	2.3	1.7	28.1	24.9	24.7
39 New Haven—West Haven	184.2	190.1	182.8	(3)	(3)	(3)	5.8	6.1	5.4	41.5	38.9	38.6
40 Stamford	113.0	115.2	114.1	(3)	(3)	(3)	5.1	5.1	4.8	32.7	32.0	32.2
41 Waterbury	64.2	83.7	82.1	(3)	(3)	(3)	2.3	2.8	2.4	31.9	27.7	27.7
42 DELAWARE	(*)	261.5	252.9	(2)	(2)	(2)	(*)	15.3	14.4	(*)	68.0	67.4
43 Wilmington	(*)	233.0	225.8	(2)	(2)	(2)	(*)	18.6	17.5	(*)	61.1	61.0
44 DISTRICT OF COLUMBIA	551.4	593.5	585.0	(2)	(2)	(2)	10.6	10.1	9.8	13.4	13.5	13.3
45 Washington SMSA	1,566.0	1,609.3	1,573.7	(2)	(2)	(2)	63.8	68.3	64.5	57.8	61.2	60.8
46 FLORIDA	2,771.9	3,834.4	3,822.4	10.5	9.7	9.7	263.5	241.8	236.6	470.0	460.6	463.6
47 Daytona Beach	81.4	82.4	82.6	-	-	-	5.0	4.2	4.0	8.9	9.1	9.4
48 Fort Lauderdale—Hollywood	365.3	363.0	362.2	(2)	(2)	(2)	27.0	24.7	24.4	41.8	38.9	39.2
49 Fort Myers—Cape Coral	75.8	76.9	77.1	(2)	(2)	(2)	8.8	9.1	9.2	4.2	4.1	4.1
50 Gainesville	68.4	67.1	67.9	(2)	(2)	(2)	3.2	3.2	3.0	4.3	4.0	4.0
51 Jacksonville	304.1	311.2	308.9	(2)	(2)	(2)	17.7	18.6	18.6	34.2	31.4	32.1
52 Lakeland—Winter Haven	126.0	121.9	120.2	5.6	4.6	4.5	9.0	7.0	6.5	23.9	21.3	21.7
53 Melbourne—Titusville—Cocoa	108.5	110.4	109.4	(2)	(2)	(2)	5.9	5.5	5.5	23.9	24.0	23.8
54 Miami	744.7	734.8	734.9	(2)	(2)	(2)	39.9	33.0	33.0	96.3	94.2	94.7
55 Orlando	311.2	329.1	330.3	(2)	(2)	(2)	22.9	25.0	24.3	40.9	39.8	39.5
56 Pensacola	100.2	103.0	103.3	(2)	(2)	(2)	7.2	8.0	7.8	12.4	12.4	12.2
57 Sarasota	75.7	75.7	76.1	(2)	(2)	(2)	7.3	6.3	6.2	6.1	5.5	5.5
58 Tallahassee	76.0	76.5	74.8	(2)	(2)	(2)	3.3	3.4	3.4	3.2	3.2	3.2
59 Tampa—St. Petersburg	585.4	596.6	596.2	(2)	(2)	(2)	41.1	39.6	40.0	79.3	78.3	78.5
60 West Palm Beach—Boca Raton	230.7	227.2	230.2	(2)	(2)	(2)	20.8	16.6	16.3	28.8	28.9	28.6

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	
71.6	70.1	69.9	265.0	272.2	267.9	58.3	58.7	58.8	209.8	218.1	217.3	288.9	290.5	290.7	1
29.6	25.3	29.1	80.0	81.4	78.3	22.9	23.2	23.3	69.5	72.3	72.4	54.6	54.8	54.9	2
2.7	2.7	2.7	21.8	23.2	22.4	3.5	3.5	3.5	19.3	20.1	20.4	35.7	35.6	35.5	3
10.6	9.9	10.0	35.7	37.3	36.7	7.1	6.9	6.9	30.1	31.3	31.1	25.9	25.7	25.8	4
4.3	4.5	4.4	23.0	24.0	23.1	6.1	6.1	6.1	20.2	20.8	20.8	29.2	29.0	29.0	5
1.8	1.7	1.7	10.1	10.1	9.5	1.6	1.7	1.6	6.6	6.4	6.4	17.8	18.4	18.0	6
17.2	18.2	18.3	30.8	37.5	37.1	8.6	9.5	9.4	31.1	35.5	35.0	58.9	63.9	62.8	7
56.1	56.4	56.3	255.6	264.5	258.5	61.1	61.9	61.8	216.4	222.7	223.4	195.0	208.1	199.3	8
35.1	35.7	35.3	171.5	177.1	173.1	47.7	48.0	47.9	143.4	147.9	148.5	97.6	104.2	98.8	9
8.9	8.9	9.0	42.9	44.5	42.4	8.4	8.8	8.8	42.4	43.6	44.0	42.7	47.2	45.3	10
42.1	42.0	41.3	154.2	161.4	155.4	31.7	31.9	31.6	114.5	117.5	116.5	138.7	141.6	140.6	11
3.8	4.1	4.1	15.8	16.4	15.5	2.2	2.2	2.2	9.4	9.6	9.5	11.9	12.2	12.4	12
3.5	3.6	3.5	14.1	14.2	14.0	2.5	2.5	2.5	12.1	12.0	11.9	9.5	9.2	9.2	13
13.0	13.2	13.1	41.0	44.0	42.1	12.9	13.3	13.3	35.4	36.8	36.8	37.1	36.6	36.4	14
3.8	3.2	3.2	5.7	5.5	5.6	1.3	1.3	1.3	5.3	5.5	5.6	6.3	6.4	6.4	15
544.7	540.2	532.7	2,272.6	2,337.8	2,246.2	643.6	646.6	644.7	2,242.4	2,307.5	2,286.0	1,753.1	1,738.9	1,731.7	16
30.3	25.2	28.6	209.0	215.1	207.6	61.3	59.4	59.3	184.6	193.1	189.6	105.6	105.8	104.3	17
8.0	7.8	7.7	34.9	36.7	35.6	5.3	5.4	5.4	25.0	25.4	25.5	33.7	33.8	33.2	18
10.4	10.5	10.3	46.2	47.0	45.1	11.0	11.3	11.3	36.8	37.6	36.7	39.7	40.6	39.3	19
197.6	196.1	154.2	810.1	835.5	809.0	236.5	236.6	235.9	859.0	881.7	873.5	471.6	474.8	472.7	20
3.8	4.2	4.1	21.7	22.5	21.6	3.4	3.4	3.4	17.2	17.3	17.2	16.5	16.5	16.4	21
6.7	6.5	6.6	38.2	40.3	39.8	9.2	10.4	10.4	32.3	33.3	33.0	38.3	38.5	38.2	22
25.7	25.0	24.7	107.9	112.5	105.8	19.3	18.8	18.8	96.3	98.2	99.0	103.2	102.0	103.7	23
22.1	21.6	21.5	93.6	98.6	95.4	22.3	22.7	22.6	79.3	83.5	82.2	144.1	143.9	143.2	24
4.6	4.7	4.6	22.5	24.6	23.1	4.2	4.2	4.2	20.1	20.8	20.6	24.4	23.5	23.7	25
29.8	28.9	28.8	154.4	157.4	153.0	41.4	41.9	41.8	155.6	162.5	160.9	141.5	141.6	141.0	26
129.0	125.0	122.9	358.2	371.2	356.6	152.7	153.8	152.5	366.1	379.4	376.0	286.8	284.4	282.8	27
22.6	22.3	21.9	125.3	130.4	126.5	28.0	28.6	28.4	156.2	159.5	157.4	82.2	81.6	79.6	28
5.2	5.4	5.3	29.6	30.8	29.6	5.9	6.3	6.3	33.7	34.6	34.6	24.7	24.0	24.3	29
4.8	4.6	4.5	23.2	24.2	23.4	6.0	6.2	6.1	19.6	21.1	21.0	19.9	20.4	19.7	30
7.4	7.6	7.5	26.4	27.5	27.1	5.9	6.2	6.2	24.6	24.5	24.3	27.5	27.3	27.4	31
4.4	4.3	4.3	22.0	22.9	22.1	3.5	3.5	3.5	20.4	20.8	20.6	35.5	35.0	35.6	32
85.7	85.3	84.3	318.1	330.5	322.0	82.1	84.5	84.3	274.3	281.2	281.6	236.5	243.9	237.8	33
60.8	61.7	60.9	200.5	206.9	201.7	58.6	60.6	60.6	181.6	184.8	184.8	132.1	137.7	133.2	34
61.4	62.3	60.6	295.6	317.2	301.5	110.9	114.4	114.1	291.1	305.6	300.5	178.5	184.1	181.5	35
6.3	6.6	6.5	33.5	36.5	33.3	7.6	7.9	7.7	34.8	37.7	35.5	16.3	16.1	16.0	36
13.6	14.1	13.6	81.6	86.7	82.1	63.9	66.5	65.7	79.2	81.7	80.4	51.8	53.2	52.3	37
3.4	3.6	3.6	9.8	10.3	9.9	1.8	1.9	1.9	10.7	10.9	10.9	6.0	6.5	6.1	38
15.5	15.7	15.7	39.6	43.4	39.7	11.0	10.9	11.0	47.5	50.9	48.7	23.3	24.2	23.7	39
4.5	4.6	4.5	25.7	26.5	26.2	8.5	9.2	9.3	26.4	27.1	26.8	10.1	10.3	10.3	40
3.2	3.3	3.4	15.5	16.6	15.5	3.7	3.9	3.8	17.8	18.4	17.9	10.8	11.0	11.0	41
(*)	11.6	11.2	(*)	58.3	54.6	(*)	13.4	13.3	(*)	50.5	49.1	(*)	44.5	42.7	42
(*)	11.3	11.0	(*)	48.8	46.6	(*)	12.3	12.2	(*)	45.1	44.3	(*)	35.8	34.2	43
26.1	25.8	25.4	59.5	60.8	58.9	32.9	33.3	32.9	189.1	193.2	189.6	259.8	256.8	255.1	44
72.3	74.4	73.3	299.9	314.1	301.6	89.1	90.7	90.6	455.1	472.5	461.9	528.0	528.1	521.0	45
229.2	238.5	227.6	1,002.0	1,034.3	1,035.6	277.6	284.2	283.5	888.9	927.3	934.6	630.2	638.0	631.2	46
3.3	3.3	3.3	22.7	23.1	23.2	4.9	5.2	5.2	21.7	22.0	22.3	14.9	15.5	15.2	47
18.4	18.2	18.2	111.5	109.4	108.6	32.5	31.4	31.5	90.3	92.3	92.2	47.8	48.1	48.1	48
4.2	4.2	4.2	22.3	22.5	22.6	6.8	6.9	6.9	17.5	17.2	17.5	12.0	12.5	12.6	49
1.6	1.7	1.6	14.3	14.3	14.3	3.0	3.2	3.1	13.9	14.6	14.3	28.1	26.3	27.9	50
24.5	25.3	25.0	79.5	83.6	80.9	28.2	27.9	27.9	68.3	70.9	71.2	51.9	53.5	53.2	51
5.3	5.2	5.0	30.7	31.3	30.0	8.9	10.0	10.0	25.5	25.3	25.5	17.1	17.2	17.2	52
4.6	5.0	5.0	23.7	25.4	24.9	4.1	4.1	4.1	27.6	27.6	27.4	18.7	18.8	18.7	53
73.5	72.3	72.3	197.8	196.5	195.7	59.3	58.2	58.3	183.5	183.4	183.9	94.4	97.2	97.0	54
15.4	15.7	15.5	85.5	91.2	94.2	21.1	21.0	21.0	82.5	90.1	90.0	42.9	46.3	45.8	55
5.2	5.2	5.5	24.0	24.5	24.1	4.2	4.4	4.4	21.6	22.0	22.9	25.6	26.1	26.4	56
3.3	3.3	3.6	23.4	23.7	23.8	6.5	6.6	6.6	19.0	20.1	20.3	10.1	10.2	10.1	57
2.5	2.6	2.6	16.2	15.8	15.5	3.4	3.5	3.6	13.9	14.8	14.6	33.5	33.2	31.9	58
33.0	34.1	33.3	164.4	162.6	161.7	42.4	43.6	43.8	145.6	150.9	151.4	83.6	87.5	87.5	59
9.8	9.7	10.3	61.4	59.5	61.7	19.3	19.5	19.9	59.8	60.4	61.0	30.8	32.2	32.4	60

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and areas	Total			Mining			Construction			Manufacturing		
		JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P
1	GEORGIA ¹	2,160.1	2,226.5	2,195.8	7.3	7.4	7.2	94.5	103.5	96.6	502.0	495.4	491.4
2	Albany.....	44.4	43.3	43.4	(2)	(2)	(2)	1.9	1.8	1.8	11.9	11.6	11.5
3	Athens.....	52.7	52.7	53.3	-	-	-	1.4	1.7	1.5	14.5	13.9	13.8
4	Atlanta.....	575.3	1,021.7	1,013.5	(2)	(2)	(2)	39.6	46.7	45.9	141.7	139.7	137.8
5	Augusta.....	122.1	124.1	122.3	(2)	(2)	(2)	5.1	5.7	5.4	35.1	33.5	33.1
6	Columbus.....	78.7	80.3	79.3	(2)	(2)	(2)	3.5	3.4	3.3	19.9	19.4	19.5
7	Macon.....	56.6	98.8	97.9	(2)	(2)	(2)	3.9	3.4	3.1	15.9	16.0	16.2
8	Savannah.....	89.2	88.8	88.1	(2)	(2)	(2)	5.8	5.1	5.1	16.4	16.3	15.9
9	HAWAII ¹	399.5	462.8	396.5	-	-	-	19.2	17.6	17.4	21.1	21.6	21.5
10	Honolulu.....	326.0	329.6	323.6	-	-	-	15.4	13.9	13.9	15.0	15.5	15.3
11	IDAHO ⁴	306.7	312.2	303.5	4.0	3.7	3.5	11.8	13.5	12.1	47.2	47.2	46.7
12	Boise City.....	76.0	75.3	73.3	(2)	(2)	(2)	5.2	4.4	4.2	8.7	8.7	8.6
13	ILLINOIS.....	4,623.3	4,543.2	4,440.8	28.3	27.1	26.1	142.7	153.4	131.2	1,073.8	949.5	939.9
14	Bloomington—Normal.....	50.4	50.0	48.6	(3)	(3)	(3)	1.3	1.3	1.0	6.6	5.9	5.8
15	Champaign—Urbana—Rantoul.....	72.9	75.0	71.5	(3)	(3)	(3)	1.3	1.3	1.2	7.7	7.3	7.2
16	Chicago—Gary.....	3,398.5	3,346.1	(*)	5.1	4.1	(*)	103.7	106.7	(*)	855.6	746.8	(*)
17	Chicago SMSA ⁵	3,165.2	3,120.9	3,068.1	3.9	4.0	3.8	86.9	94.5	81.9	738.8	676.0	671.1
18	Davenport—Rock Island—Moline.....	153.2	145.4	144.6	(3)	(3)	(3)	6.4	6.9	6.3	41.8	34.8	35.0
19	Decatur.....	55.1	53.1	49.1	(3)	(3)	(3)	1.9	2.1	1.9	19.8	14.4	14.3
20	Kankakee.....	32.1	30.3	29.9	(3)	(3)	(3)	1.4	1.3	1.2	8.0	6.6	6.4
21	Peoria.....	145.0	121.3	120.3	(3)	(3)	(3)	5.8	5.8	5.3	47.1	24.0	24.4
22	Rockford.....	113.7	105.4	100.6	(3)	(3)	(3)	3.2	3.3	3.0	47.3	39.8	36.1
23	Springfield.....	84.3	84.0	83.3	(3)	(3)	(3)	3.5	3.2	2.8	6.0	4.2	4.0
24	INDIANA ¹	2,020.9	1,979.8	1,944.8	9.9	9.5	9.0	65.7	74.7	67.9	607.6	544.5	543.3
25	Anderson.....	42.1	40.8	(*)	(2)	(2)	(*)	1.1	1.0	(*)	16.8	15.7	(*)
26	Elkhart.....	64.2	64.8	(*)	(2)	(2)	(*)	1.8	1.8	(*)	32.0	32.3	(*)
27	Evansville.....	123.3	121.4	(*)	2.6	2.3	(*)	6.2	6.3	(*)	34.0	31.4	(*)
28	Fort Wayne.....	164.4	159.5	(*)	(2)	(2)	(*)	6.5	6.2	(*)	49.8	45.2	(*)
29	Gary—Hammond—East Chicago ⁶	239.4	225.2	(*)	(2)	(2)	(*)	13.2	12.2	(*)	85.0	70.8	(*)
30	Indianapolis.....	515.4	510.4	(*)	(2)	(2)	(*)	19.2	20.1	(*)	117.7	107.1	(*)
31	Lafayette—West Lafayette.....	57.2	57.0	(*)	(2)	(2)	(*)	2.2	1.9	(*)	11.0	10.0	(*)
32	Muncie.....	47.1	45.2	(*)	(2)	(2)	(*)	.9	1.0	(*)	11.3	9.5	(*)
33	South Bend.....	103.0	101.6	(*)	(2)	(2)	(*)	3.5	3.4	(*)	29.3	27.9	(*)
34	Terre Haute.....	57.5	54.6	(*)	1.4	1.3	(*)	2.4	2.3	(*)	12.9	12.0	(*)
35	IOWA ¹	1,021.8	1,023.0	998.6	1.3	1.7	1.4	30.8	31.5	25.8	216.9	196.8	191.6
36	Cedar Rapids.....	78.3	75.1	72.8	(2)	(2)	(2)	2.1	2.1	1.8	25.1	22.0	21.2
37	Des Moines.....	171.4	170.7	166.9	(2)	(2)	(2)	5.0	4.9	4.0	21.9	19.8	19.4
38	Dubuque.....	36.2	36.8	34.0	(2)	(2)	(2)	.9	1.0	.9	9.6	10.0	7.7
39	Sioux City.....	47.7	47.3	46.1	(2)	(2)	(2)	1.7	1.7	1.4	9.1	8.9	8.9
40	Waterloo—Cedar Falls.....	61.2	58.1	56.0	(2)	(2)	(2)	1.5	1.5	1.2	21.4	17.9	17.4
41	KANSAS ¹	530.5	908.9	888.2	20.5	17.8	17.4	34.7	35.3	32.4	182.0	153.5	150.3
42	Lawrence.....	27.2	27.5	26.9	(3)	(3)	(3)	.6	.7	.6	4.5	4.2	4.2
43	Topeka.....	83.8	82.8	82.2	(3)	(3)	(3)	2.7	3.1	2.9	9.9	8.5	8.5
44	Wichita.....	202.4	168.2	182.5	3.7	3.6	3.6	8.1	8.1	7.0	61.8	47.4	45.0
45	KENTUCKY ¹	1,160.9	1,165.6	1,149.1	56.5	50.8	51.0	41.8	50.1	45.4	256.8	237.1	239.0
46	Lexington—Fayette.....	141.2	144.1	140.5	(2)	(2)	(2)	5.4	6.2	5.3	28.2	26.4	26.1
47	Louisville.....	367.6	361.2	356.1	(2)	(2)	(2)	13.6	15.8	13.2	92.5	77.8	81.4
48	Owensboro.....	30.3	30.7	30.0	.9	1.1	1.0	1.5	1.5	1.4	6.4	5.8	5.8
49	LOUISIANA ¹	1,613.5	1,607.1	1,587.6	104.1	95.2	94.6	124.3	118.9	116.3	213.4	199.0	195.0
50	Alexandria.....	52.0	54.5	53.6	(2)	(2)	(2)	3.2	3.4	3.1	5.4	5.3	5.2
51	Baton Rouge.....	203.5	209.8	206.1	1.6	1.5	1.5	22.6	21.8	21.9	26.8	25.2	24.9
52	Lafayette.....	66.4	100.7	98.5	21.4	19.7	19.7	6.0	6.8	5.8	5.0	5.2	5.5
53	Lake Charles.....	66.8	62.0	60.9	2.8	2.3	2.3	7.7	4.9	4.9	12.2	10.5	10.3
54	Monroe.....	50.3	51.8	50.3	.8	.5	.5	2.9	3.5	3.5	7.4	7.1	7.2
55	New Orleans.....	516.4	513.7	513.6	21.2	20.9	20.8	30.5	31.1	31.0	49.4	46.4	46.1
56	Shreveport.....	149.3	146.2	144.5	8.0	7.7	7.7	7.6	7.6	7.5	27.5	23.3	23.3
57	MAINE ¹	399.6	407.9	357.4	(2)	(2)	(2)	13.7	17.0	14.9	108.4	105.6	104.7
58	Lewiston—Auburn.....	33.5	33.7	32.5	(2)	(2)	(2)	1.1	1.3	1.0	11.4	10.5	10.4
59	Portland.....	91.7	96.8	94.4	(2)	(2)	(2)	3.6	4.0	3.7	17.1	16.3	16.7
60	MARYLAND.....	1,651.7	1,688.1	1,637.7	(2)	(2)	(2)	76.4	82.0	74.1	216.5	206.5	202.7
61	Baltimore SMSA.....	532.1	944.3	923.6	(2)	(2)	(2)	35.7	36.8	33.1	145.7	135.9	134.9
62	Baltimore City ²	434.9	433.3	429.6	(2)	(2)	(2)	14.1	13.1	12.7	58.5	56.3	55.3

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government		
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
144.0	146.3	144.3	595.7	540.0	515.1	114.3	117.9	117.6	358.9	376.3	377.4	433.3	439.8	442.2
2.3	2.3	2.3	9.4	9.3	5.4	2.0	2.2	2.2	6.2	5.9	5.9	10.8	10.3	10.4
1.5	1.5	1.5	10.0	10.6	10.5	1.6	1.7	1.7	6.5	7.2	7.2	17.2	16.2	17.1
90.3	92.2	91.7	270.8	292.3	288.5	59.0	70.2	70.1	296.8	217.4	214.9	161.1	163.3	164.6
4.3	4.3	4.4	23.2	25.2	24.4	4.3	4.5	4.4	18.9	19.3	19.3	31.2	31.6	31.4
3.2	3.2	3.2	16.4	17.6	16.5	5.2	5.3	5.3	11.1	11.1	11.0	19.3	20.3	20.1
4.6	4.7	4.7	20.4	21.7	21.2	6.1	6.0	6.1	17.8	17.1	17.1	29.9	29.9	29.6
9.0	8.7	8.6	21.1	21.6	21.3	4.0	4.2	4.2	16.4	16.5	16.8	16.4	16.4	16.2
31.2	31.7	31.3	105.2	107.5	105.3	31.7	31.5	31.3	103.6	99.8	100.0	87.5	92.7	89.7
25.9	26.4	26.0	86.8	89.1	86.5	27.2	27.1	27.0	81.4	78.8	78.5	74.3	78.8	76.0
19.0	18.7	18.3	77.5	79.8	76.7	22.6	22.9	22.7	58.4	58.3	58.0	66.3	68.1	65.5
5.2	4.9	4.7	19.2	20.1	19.0	7.6	7.5	7.4	14.6	14.3	14.4	15.5	15.4	15.0
274.9	266.1	260.0	1,082.7	1,050.7	1,058.6	314.5	313.9	311.2	946.1	966.0	950.5	759.3	776.5	763.3
3.1	3.0	3.0	11.9	12.0	11.7	7.9	7.8	7.8	8.3	8.3	8.2	11.3	11.7	11.1
2.6	2.5	2.5	18.4	19.1	18.3	2.4	2.4	2.4	11.5	11.2	11.0	29.0	31.2	28.9
206.3	202.9	(*)	799.5	811.7	(*)	228.3	249.1	(*)	694.1	742.3	(*)	506.2	482.5	(*)
192.4	185.7	182.1	759.6	761.0	743.3	243.5	240.2	239.7	700.0	704.6	696.2	444.1	450.9	450.0
6.8	6.5	6.2	40.0	35.4	35.3	7.2	7.0	7.1	24.6	24.7	24.6	26.4	26.1	26.1
5.2	5.1	5.1	11.8	12.1	11.6	2.7	2.6	2.6	8.7	8.6	8.6	5.0	5.2	5.0
1.4	1.4	1.4	6.8	6.7	6.6	1.1	1.1	1.1	6.3	6.0	6.0	7.1	7.2	7.2
7.9	7.7	7.7	34.3	34.3	33.7	7.0	6.9	7.0	25.6	25.1	24.9	17.3	17.5	17.3
4.4	4.3	4.2	24.4	23.8	23.4	4.2	4.1	4.0	18.0	18.2	18.1	12.2	11.9	11.8
4.7	4.5	4.5	18.7	19.0	18.5	6.7	6.5	6.5	17.7	18.0	17.8	27.5	28.6	28.3
102.9	101.6	97.8	450.9	459.3	436.6	102.0	101.2	103.2	347.6	354.6	353.0	334.3	334.4	331.9
1.2	1.1	(*)	8.9	9.3	(*)	1.6	1.6	(*)	7.1	7.2	(*)	5.4	5.2	(*)
2.0	2.0	(*)	12.6	12.5	(*)	2.1	2.0	(*)	8.8	8.8	(*)	4.9	5.0	(*)
7.1	6.8	(*)	31.2	32.1	(*)	4.6	4.6	(*)	25.1	25.4	(*)	12.5	12.5	(*)
10.6	10.1	(*)	41.1	41.2	(*)	13.4	10.3	(*)	28.5	28.7	(*)	17.5	17.8	(*)
14.1	13.2	(*)	50.4	50.7	(*)	9.0	8.9	(*)	36.8	37.8	(*)	30.9	31.6	(*)
30.0	29.8	(*)	131.1	132.6	(*)	38.2	37.7	(*)	96.8	98.8	(*)	86.4	84.3	(*)
1.4	1.4	(*)	11.1	11.7	(*)	2.5	2.5	(*)	9.4	9.4	(*)	19.6	20.1	(*)
2.0	1.9	(*)	12.1	11.9	(*)	1.5	1.4	(*)	8.2	8.3	(*)	11.1	11.2	(*)
4.5	4.3	(*)	25.0	25.0	(*)	5.2	5.1	(*)	23.6	23.3	(*)	12.5	12.6	(*)
3.3	2.5	(*)	14.2	13.3	(*)	1.9	1.7	(*)	9.4	9.1	(*)	12.0	12.0	(*)
52.8	51.2	50.8	261.6	265.5	259.6	58.4	58.5	58.5	209.2	211.4	210.6	200.7	206.0	200.3
4.0	3.8	3.8	18.4	18.3	17.5	4.3	4.2	4.2	15.5	15.7	15.6	9.0	9.0	8.7
10.9	11.0	11.0	44.3	44.6	42.7	21.5	21.6	21.6	40.8	41.0	40.7	27.0	27.8	27.4
1.6	1.6	1.5	8.6	8.6	8.4	1.3	1.3	1.3	10.4	10.4	10.4	3.8	3.7	3.7
3.7	3.6	3.5	12.1	12.1	11.5	2.8	2.7	2.7	12.0	12.0	11.8	6.4	6.4	6.2
2.3	2.2	2.2	12.9	13.1	12.6	2.1	2.1	2.1	10.7	10.8	10.5	10.2	10.5	10.1
60.7	63.4	63.0	226.4	228.4	221.4	48.1	48.7	48.5	171.8	172.9	170.6	186.3	188.9	184.6
1.4	1.4	1.5	5.4	5.7	5.5	.8	.8	.9	3.9	3.9	3.9	10.6	10.8	10.3
7.8	8.1	8.0	18.2	18.3	18.1	5.9	5.8	5.8	17.9	17.6	17.6	21.4	21.4	21.3
10.0	10.2	10.2	45.4	45.0	43.5	9.5	10.0	9.9	39.7	38.8	38.4	24.2	25.1	24.9
65.9	63.5	61.8	256.3	269.1	260.2	53.8	52.0	51.5	211.0	215.7	214.3	221.8	227.3	225.9
7.3	7.4	7.1	32.1	33.0	31.4	6.9	7.1	7.1	29.8	31.3	31.6	31.5	32.7	31.9
22.8	22.3	21.9	85.6	88.8	83.9	23.2	23.4	23.2	74.9	77.7	76.9	54.9	55.4	55.7
2.3	2.4	2.4	7.4	7.9	7.5	1.1	1.1	1.1	6.0	6.1	6.0	4.7	4.8	4.8
130.6	127.1	124.7	363.0	372.2	366.2	78.3	79.5	79.4	293.8	304.9	303.7	306.1	310.3	307.7
2.4	2.5	2.4	11.5	12.7	12.3	2.9	3.0	3.0	11.4	11.6	11.6	15.8	16.0	16.0
10.4	10.5	10.4	45.7	48.1	46.7	11.7	12.0	12.0	36.2	37.5	37.6	48.5	53.2	51.1
7.3	7.9	8.0	24.3	25.2	24.9	3.2	3.6	3.5	18.7	21.2	19.7	10.5	11.1	11.4
4.6	4.6	4.4	15.1	15.5	14.8	2.9	3.0	2.9	10.9	10.6	10.8	10.6	10.6	10.5
2.7	2.7	2.7	12.9	13.9	12.7	3.8	3.9	3.9	9.4	9.7	9.6	10.4	10.5	9.2
52.7	45.1	48.6	129.2	129.3	127.9	33.8	31.1	31.0	118.6	125.9	125.1	84.0	79.9	80.1
9.6	9.1	8.9	35.1	34.7	32.7	7.0	7.7	7.7	29.1	30.2	30.1	25.9	25.9	25.6
18.0	17.5	17.0	84.1	87.4	83.6	17.1	17.8	17.9	76.9	79.4	77.7	81.4	83.2	81.6
1.2	1.3	1.2	7.9	8.4	7.8	1.6	1.6	1.6	7.3	7.4	7.3	3.0	3.2	3.2
5.7	6.0	5.8	24.7	26.1	25.1	7.7	8.5	8.5	20.1	21.7	21.3	12.8	13.7	13.3
84.7	83.7	81.7	403.2	426.0	402.1	92.7	94.1	93.9	369.7	382.2	375.9	408.5	413.6	407.3
56.5	53.6	52.6	222.3	239.3	227.6	57.4	57.5	57.8	198.5	204.0	201.6	216.0	217.2	216.0
38.9	38.9	35.6	96.5	55.5	57.7	38.4	38.4	38.7	105.9	107.7	107.3	82.6	81.4	82.3

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
1	MASSACHUSETTS	2,576.8	2,628.7	2,546.2	(2)	(2)	(2)	67.5	78.8	70.6	650.0	606.1	599.7
2	Boston	1,457.0	1,502.5	1,462.9	(2)	(2)	(2)	38.7	43.5	39.1	287.0	283.0	276.8
3	Brockton	56.2	56.9	55.1	(2)	(2)	(2)	1.2	1.4	1.3	12.3	11.3	11.2
4	Fall River	52.4	52.5	50.4	(2)	(2)	(2)	1.0	1.1	.8	19.6	18.8	19.1
5	Lawrence—Haverhill	111.9	116.6	107.1	(2)	(2)	(2)	2.2	2.8	2.3	45.0	40.8	40.7
6	Lowell	78.3	80.7	78.9	(2)	(2)	(2)	2.3	2.8	2.3	29.9	30.0	30.2
7	New Bedford	61.8	62.2	60.9	(2)	(2)	(2)	1.1	1.3	1.0	25.3	24.1	24.0
8	Springfield—Chicopee—Holyoke	227.4	230.9	221.5	(2)	(2)	(2)	5.1	6.0	5.0	61.8	57.1	56.5
9	Worcester	166.9	164.8	158.3	(2)	(2)	(2)	4.2	5.3	4.6	46.4	40.8	39.9
10	MICHIGAN	3,204.5	3,165.9	3,110.6	12.0	10.2	10.1	85.0	90.2	81.0	895.3	826.7	832.8
11	Ann Arbor	132.2	126.7	125.8	(2)	(2)	(2)	1.9	1.7	1.4	33.7	25.0	27.2
12	Battle Creek	60.2	59.7	59.0	(2)	(2)	(2)	1.1	1.7	1.4	18.9	17.4	17.5
13	Bay City	32.3	32.0	31.3	(2)	(2)	(2)	.7	.7	.6	9.5	8.3	8.3
14	Benton Harbor	55.4	53.7	53.3	(2)	(2)	(2)	1.8	1.7	1.5	19.5	18.1	18.5
15	Detroit	1,565.3	1,546.5	1,517.6	1.0	1.0	.9	38.5	41.0	37.2	427.4	402.1	402.3
16	Flint	176.1	168.0	170.0	(2)	(2)	(2)	3.3	3.1	3.0	66.5	57.1	60.8
17	Grand Rapids	258.5	262.0	257.0	(2)	(2)	(2)	8.5	8.8	8.0	84.9	84.5	84.6
18	Jackson	48.3	45.7	45.2	(2)	(2)	(2)	1.0	.9	.8	13.0	10.9	11.0
19	Kalamazoo—Portage	105.5	104.6	102.7	(2)	(2)	(2)	2.9	2.7	2.4	31.4	30.1	30.1
20	Lansing—East Lansing	184.3	186.8	185.0	(2)	(2)	(2)	3.5	2.9	2.5	36.2	37.8	37.7
21	Muskegon—Norton Shores—Mus. Hts	56.8	54.7	53.8	(2)	(2)	(2)	1.8	1.8	1.7	19.3	17.2	17.1
22	Saginaw	77.7	76.5	75.9	(2)	(2)	(2)	1.7	1.6	1.6	25.2	23.0	23.2
23	MINNESOTA	(*)	1,693.9	1,648.6	(*)	6.5	7.9	(*)	54.9	45.7	(*)	333.2	329.9
24	Duluth—Superior	(*)	53.0	51.7	(2)	(2)	(2)	(*)	1.4	1.1	(*)	4.9	4.8
25	Minneapolis—St. Paul	(*)	1,059.9	1,035.5	(2)	(2)	(2)	(*)	32.9	29.1	(*)	227.1	225.4
26	Rochester	(*)	51.1	51.3	(3)	(3)	(3)	(*)	1.3	1.1	(*)	9.6	9.7
27	St. Cloud	(*)	55.9	54.4	(2)	(2)	(2)	(*)	2.6	2.4	(*)	9.8	9.8
28	MISSISSIPPI	789.9	793.6	779.7	13.4	11.4	11.5	36.8	40.0	38.7	205.4	197.9	195.6
29	Jackson	142.9	146.3	143.8	2.3	2.0	2.0	5.2	5.7	5.6	16.9	15.8	15.7
30	MISSOURI	1,891.0	1,908.6	1,869.2	6.8	6.9	6.8	61.7	72.6	63.4	412.7	399.1	395.5
31	Kansas City	602.2	593.7	581.7	.5	.5	.5	17.2	18.3	17.0	111.9	106.7	104.8
32	St. Joseph	35.9	36.8	36.1	(3)	(3)	(3)	1.2	1.2	1.0	8.4	9.0	8.8
33	St. Louis	574.7	576.4	556.7	3.3	3.0	2.9	35.4	41.8	38.2	222.6	211.4	209.4
34	Springfield	85.5	88.4	85.6	(3)	(3)	(3)	2.4	3.0	2.6	18.2	16.7	16.7
35	MONTANA	267.0	271.3	266.6	10.7	8.6	8.4	9.8	11.9	9.6	20.3	19.9	19.7
36	NEBRASKA	602.2	598.3	580.1	1.8	1.5	1.4	18.8	19.7	17.1	91.9	81.7	79.6
37	Lincoln	55.2	94.9	91.4	(3)	(3)	(3)	2.4	2.5	2.1	12.7	11.3	11.1
38	Omaha	257.3	257.1	249.7	(3)	(3)	(3)	7.4	8.0	7.1	33.3	31.1	30.5
39	NEVADA	399.7	405.1	399.2	7.3	6.1	5.9	19.9	19.9	18.9	19.4	18.1	17.9
40	Las Vegas	225.5	228.7	226.9	.5	.4	.4	12.1	12.2	11.6	6.9	6.5	6.5
41	Reno	111.1	113.5	115.9	.6	.6	.6	4.7	4.6	4.5	8.2	7.5	7.4
42	NEW HAMPSHIRE	(*)	390.4	382.5	(*)	(3)	(3)	(*)	22.5	20.3	(*)	109.7	109.0
43	Manchester	(*)	77.1	75.7	(3)	(3)	(3)	(*)	3.0	2.5	(*)	17.0	16.8
44	Nashua	(*)	68.7	67.4	(3)	(3)	(3)	(*)	2.8	2.6	(*)	29.8	29.5
45	NEW JERSEY	3,028.4	3,059.3	2,979.8	2.2	2.3	2.2	102.3	113.0	97.0	746.0	701.9	690.6
46	Atlantic City	97.2	101.5	100.3	-	-	-	5.1	6.3	6.2	7.1	6.9	7.0
47	Camden	340.8	345.5	337.8	.1	.1	.1	11.9	13.6	11.9	69.2	64.8	64.6
48	Hackensack	393.7	392.2	387.1	(2)	(2)	(2)	13.7	14.2	13.0	107.4	101.6	100.6
49	Jersey City	220.6	215.8	210.7	-	-	-	4.9	5.5	5.1	64.4	58.5	57.6
50	Long Branch—Asbury Park	165.1	168.2	152.9	(2)	(2)	(2)	6.5	6.8	6.4	24.8	23.1	23.0
51	New Bruns.—Perth Amboy—Sayreville	285.6	286.8	281.1	(2)	(2)	(2)	10.5	11.1	10.4	86.4	79.6	78.6
52	Newark	534.6	539.0	523.7	.9	.8	.7	29.5	32.2	28.6	239.5	224.4	223.2
53	Paterson—Clifton—Passaic	185.9	187.4	183.7	(2)	(2)	(2)	5.8	6.2	5.9	65.3	63.2	63.1
54	Trenton	160.2	157.7	157.1	(2)	(2)	(2)	3.2	3.6	3.3	32.0	27.2	27.5
55	Vineland—Millville—Bridgeton	52.0	50.4	50.1	(2)	(2)	(2)	1.8	1.6	1.5	16.6	14.7	14.8
56	NEW MEXICO	469.4	476.5	467.6	30.8	23.3	23.3	30.8	30.8	29.7	33.6	33.7	33.5
57	Albuquerque	184.9	192.3	189.1	(2)	(2)	(2)	10.4	11.4	10.8	17.6	18.1	17.9
58	Las Cruces	31.3	32.0	31.5	-	-	-	1.6	1.6	1.6	2.8	2.7	2.8
59	NEW YORK	7,136.4	7,261.7	7,089.6	6.0	6.3	5.9	190.2	215.5	191.9	1,370.8	1,315.9	1,298.2
60	Albany—Schenectady—Troy	331.5	335.0	327.7	(2)	(2)	(2)	8.7	10.0	8.7	53.5	51.0	51.7
61	Binghamton	117.3	116.7	115.3	(2)	(2)	(2)	3.3	3.4	3.1	44.6	42.5	42.0
62	Buffalo	472.3	470.2	454.6	(2)	(2)	(2)	12.8	15.2	12.5	119.7	104.8	102.8

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	
116.7	118.3	113.6	568.9	557.4	566.0	164.4	166.8	165.9	646.0	688.1	666.3	363.3	373.2	364.1	1
69.3	69.9	68.4	321.4	337.5	322.5	115.7	117.4	116.7	440.9	467.2	453.2	185.3	186.6	186.2	2
3.6	3.6	3.5	15.0	15.6	15.1	2.2	2.2	2.2	10.4	11.2	10.7	11.5	11.6	11.1	3
1.8	1.9	1.8	11.4	12.6	10.7	2.8	3.1	3.0	9.0	8.9	9.0	6.8	6.1	6.5	4
4.9	4.6	4.8	22.1	23.2	21.4	4.3	4.3	4.3	18.1	19.1	18.3	15.3	15.6	15.3	5
3.4	3.4	3.4	16.6	17.0	16.6	2.1	2.2	2.2	12.7	13.5	12.8	11.3	11.8	11.4	6
2.3	2.2	2.3	12.1	12.5	12.3	2.0	2.0	2.0	10.0	10.7	10.5	9.0	9.0	8.8	7
9.2	8.7	8.7	47.6	49.7	47.1	13.4	13.3	13.3	47.3	49.7	47.8	43.4	46.4	43.5	8
7.6	7.9	7.5	35.3	39.2	36.5	13.7	10.3	9.9	34.6	37.7	36.3	22.8	23.6	23.2	9
143.3	137.2	135.9	685.0	705.3	675.8	151.9	150.2	149.5	642.8	655.0	644.9	589.3	587.0	580.6	10
3.2	3.1	3.1	20.3	21.0	20.3	3.9	3.8	4.0	25.1	25.6	25.3	44.0	46.6	44.6	11
2.2	2.2	2.2	10.1	10.4	5.9	4.1	4.0	4.1	12.0	12.0	12.0	11.8	12.0	12.0	12
1.6	1.6	1.5	8.4	6.7	6.4	1.3	1.3	1.3	6.6	6.6	6.5	5.1	4.9	4.6	13
2.0	2.0	1.9	10.6	11.0	10.2	2.0	1.9	1.9	11.4	11.4	11.7	8.1	7.6	7.5	14
75.7	72.7	71.7	350.9	355.6	341.2	87.7	86.6	86.3	349.1	353.8	350.1	235.1	229.6	227.9	15
6.0	6.2	6.0	38.9	38.5	37.4	6.4	6.3	6.3	28.3	29.2	29.0	27.2	27.6	27.5	16
11.2	11.2	11.2	63.3	65.6	63.3	10.9	10.8	10.8	50.0	51.6	50.1	29.8	29.6	29.1	17
5.0	5.0	5.0	10.1	10.0	5.5	1.6	1.5	1.5	9.5	9.5	9.5	8.1	7.9	7.9	18
4.0	3.8	3.8	21.4	22.3	21.2	4.0	3.9	3.9	21.9	21.7	21.4	19.8	20.2	19.8	19
5.2	5.2	5.2	34.9	37.0	35.8	9.5	9.5	9.5	29.3	30.3	30.0	66.3	64.1	64.3	20
2.9	2.9	2.9	10.7	11.2	10.6	1.5	1.5	1.5	10.7	10.8	10.7	9.8	9.3	9.3	21
4.7	4.4	4.4	17.1	17.6	16.5	3.9	3.8	3.8	13.9	14.2	14.3	11.2	11.8	11.8	22
(*)	95.2	91.7	(*)	434.0	415.5	(*)	97.7	97.2	(*)	381.7	374.8	(*)	290.6	285.6	23
(*)	5.0	4.6	(*)	14.5	14.1	(*)	2.0	2.0	(*)	13.5	13.4	(*)	11.7	11.7	24
(*)	60.6	58.9	(*)	265.4	255.3	(*)	72.7	72.6	(*)	249.7	245.0	(*)	151.5	148.6	25
(*)	1.8	1.8	(*)	10.2	10.3	(*)	1.5	1.5	(*)	21.0	21.0	(*)	5.6	5.6	26
(*)	3.4	3.4	(*)	15.4	15.2	(*)	2.0	2.0	(*)	10.8	10.2	(*)	11.9	11.4	27
39.2	39.4	39.0	158.7	166.4	160.1	32.6	32.9	32.8	120.3	123.6	122.6	183.5	182.0	179.5	28
9.9	10.2	10.0	34.1	35.7	34.2	11.2	11.3	11.2	29.5	31.1	30.6	33.8	34.6	34.5	29
132.5	128.4	128.1	453.7	463.6	448.3	107.4	107.7	106.8	391.6	402.1	399.4	324.6	328.2	320.9	30
50.4	48.7	48.0	158.0	157.1	151.5	43.5	43.5	43.0	131.3	129.0	127.9	90.4	89.9	88.6	31
2.1	2.1	2.1	8.8	9.1	9.0	2.0	2.1	2.0	7.3	7.2	7.1	6.1	6.1	6.1	32
65.8	68.0	68.2	228.3	234.4	226.3	58.2	58.2	57.8	220.0	223.2	221.4	137.1	136.4	132.5	33
6.8	7.0	6.9	23.0	24.7	23.2	3.6	3.7	3.7	20.0	21.1	21.0	11.5	12.2	11.5	34
21.9	20.8	20.2	69.6	72.5	71.7	12.8	12.5	12.3	54.6	54.8	54.9	67.3	69.9	69.8	35
45.5	42.5	42.0	156.6	156.1	153.6	41.2	41.2	41.3	119.5	123.4	119.1	127.1	129.8	126.1	36
6.7	6.7	6.5	21.1	21.1	20.7	7.1	7.5	7.0	17.9	18.0	17.7	27.2	28.2	26.2	37
24.0	22.6	22.3	66.7	67.8	65.9	23.7	23.8	23.8	60.6	63.0	60.1	41.5	40.8	39.8	38
24.8	24.6	24.4	80.5	82.4	80.1	18.1	18.0	17.9	172.3	177.4	176.8	57.4	58.6	57.3	39
13.6	13.8	13.7	46.4	46.5	45.8	10.3	10.3	10.2	108.6	110.7	111.6	27.2	27.9	27.1	40
8.4	8.0	7.9	24.4	25.7	24.8	6.2	6.0	6.0	42.4	44.0	43.3	16.2	16.9	16.4	41
(*)	14.7	14.5	(*)	50.3	45.5	(*)	20.8	20.7	(*)	75.3	76.0	(*)	57.1	56.5	42
(*)	4.8	4.8	(*)	20.9	20.4	(*)	6.4	6.3	(*)	16.1	16.1	(*)	8.9	8.8	43
(*)	2.2	2.2	(*)	15.1	14.8	(*)	2.1	2.0	(*)	11.0	10.8	(*)	5.7	5.5	44
190.5	192.1	189.5	679.8	711.8	676.9	152.2	164.5	163.7	626.0	648.5	639.7	519.4	525.2	520.2	45
3.9	3.8	3.9	16.9	18.5	17.5	4.7	4.7	4.6	43.4	45.6	45.2	16.1	15.7	15.5	46
15.0	15.1	14.9	88.8	91.8	87.2	17.1	17.6	17.3	72.2	74.6	74.1	66.5	67.9	67.7	47
20.3	20.3	20.0	115.4	113.9	112.6	17.9	18.4	18.5	77.6	81.0	80.1	41.4	42.8	42.3	48
24.1	23.8	23.4	44.9	45.8	43.5	8.5	8.7	8.6	32.5	32.8	31.8	41.3	40.7	40.3	49
6.8	6.8	6.6	40.3	44.1	30.0	7.8	7.8	7.8	42.8	44.5	44.1	36.1	35.1	35.0	50
23.4	24.1	23.8	66.8	69.5	67.0	11.6	11.6	11.9	43.3	45.7	45.9	43.6	45.2	43.5	51
74.5	74.8	74.1	181.0	184.7	175.5	65.9	67.3	66.8	290.2	297.3	295.0	143.3	147.5	145.8	52
6.1	5.5	6.1	39.5	41.5	40.3	9.0	8.8	8.8	33.9	34.9	33.3	26.3	26.5	26.2	53
5.3	5.1	5.1	24.3	25.3	24.3	8.5	8.7	8.5	41.7	41.8	41.4	45.2	46.0	47.0	54
3.1	3.0	3.0	8.8	9.0	8.8	2.5	2.5	2.6	8.6	8.7	8.5	10.6	10.9	10.9	55
29.6	30.3	29.3	105.7	114.3	105.9	21.5	21.9	21.9	91.8	95.0	93.9	125.6	127.2	126.1	56
11.8	12.3	11.9	47.2	49.4	47.6	10.7	11.0	11.0	45.7	47.6	47.4	41.5	42.5	42.5	57
1.3	1.3	1.2	5.9	6.2	5.5	1.2	1.2	1.2	4.3	4.3	4.2	14.2	14.7	14.6	58
418.9	420.7	413.1	1,433.7	1,501.9	1,425.4	659.7	673.0	670.3	1,774.8	1,832.8	1,803.2	1,282.3	1,295.7	1,277.6	59
15.2	14.9	14.4	66.1	67.5	65.3	16.1	16.5	16.2	73.2	75.7	75.3	98.8	99.0	97.1	60
4.5	4.5	4.5	20.6	21.2	20.5	3.9	3.9	3.9	19.3	19.5	19.9	21.2	21.7	21.4	61
25.3	25.7	24.5	106.2	112.3	106.6	22.3	22.5	22.4	103.5	105.9	103.3	83.0	83.8	82.5	62

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	JAN. 1982	DEC. 1982	JAN. 1983 ^P	JAN. 1982	DEC. 1982	JAN. 1983 ^P	JAN. 1982	DEC. 1982	JAN. 1983 ^P	JAN. 1982	DEC. 1982	JAN. 1983 ^P
NEW YORK—Continued												
1 Elmira	35.8	33.7	33.1	(2)	(2)	(2)	.8	.9	.7	10.3	8.1	7.9
2 Monroe County ⁹	341.2	343.2	338.6	(2)	(2)	(2)	8.0	7.9	7.1	138.4	133.5	133.0
3 Nassau—Suffolk ¹⁰	515.7	955.7	934.1	(2)	(2)	(2)	31.2	37.8	34.2	168.1	166.5	166.5
4 New York—Northeastern New Jersey	(*)	6,806.0	(*)	(*)	2.2	(*)	(*)	207.4	(*)	1,229.8	(*)	(*)
5 New York and Nassau—Suffolk ⁹	4,669.1	4,785.8	4,695.4	1.9	1.9	1.9	127.9	143.8	133.1	707.5	696.1	685.7
6 New York SMSA ¹⁰	3,753.3	3,833.1	3,761.3	1.7	1.7	1.7	96.7	106.0	98.9	539.4	529.6	519.2
7 New York City ¹¹	3,312.3	3,373.5	3,316.8	1.5	1.4	1.4	79.9	85.7	81.0	452.7	443.5	433.4
8 Poughkeepsie	100.6	104.9	102.0	(2)	(2)	(2)	2.7	2.7	2.5	34.2	35.1	34.6
9 Rochester	415.3	418.3	411.5	(2)	(2)	(2)	9.5	9.7	8.7	157.7	151.5	150.3
10 Rockland County ¹¹	81.2	84.4	83.1	(2)	(2)	(2)	2.2	2.7	2.4	15.5	15.8	15.9
11 Syracuse	254.1	259.9	252.3	(2)	(2)	(2)	19.2	12.8	10.9	57.3	53.5	53.5
12 Utica—Rome	111.3	110.6	108.4	(2)	(2)	(2)	2.0	1.9	1.7	29.0	26.3	26.3
13 Westchester County ¹¹	347.5	359.7	349.0	(2)	(2)	(2)	14.0	16.9	14.9	69.8	68.9	68.6
NORTH CAROLINA¹	2,331.7	2,352.4	2,311.6	4.5	4.5	4.5	98.8	102.5	96.1	796.0	770.3	766.0
14 Asheville	65.7	70.0	69.2	(2)	(2)	(2)	2.7	2.5	2.4	21.0	20.0	20.0
16 Charlotte—Gastonia	334.7	335.1	330.1	(2)	(2)	(2)	15.8	16.3	15.5	91.5	90.0	89.4
17 Greensboro—Winston-Salem—High Pt.	364.0	384.0	378.3	(2)	(2)	(2)	15.6	15.7	15.2	147.0	142.0	141.7
18 Raleigh—Durham	275.4	281.8	274.2	(2)	(2)	(2)	12.7	13.7	13.1	45.8	45.3	45.0
NORTH DAKOTA⁴	242.8	253.1	246.1	11.4	7.7	7.4	10.7	15.4	13.9	14.8	14.6	14.4
20 Fargo—Moorhead	60.3	62.7	61.0	(3)	(3)	(3)	1.9	2.3	1.8	4.3	4.3	4.3
OHIO¹	4,137.5	4,102.5	4,012.2	31.2	29.0	28.3	118.8	129.5	112.1	1,151.8	1,043.9	1,052.5
22 Akron	248.9	250.4	243.3	(*)	(*)	(*)	5.8	7.0	5.9	70.9	65.3	66.1
23 Canton	149.4	147.3	143.9	(*)	(*)	(*)	3.9	4.6	3.8	50.7	44.7	44.4
24 Cincinnati	570.1	574.8	561.2	(*)	(*)	(*)	18.0	18.5	16.5	148.6	145.0	144.3
25 Cleveland	656.1	837.3	817.3	(*)	(*)	(*)	22.6	24.4	21.7	238.0	210.3	211.5
26 Columbus	495.2	504.0	491.7	(*)	(*)	(*)	13.5	14.5	12.5	89.4	84.6	84.6
27 Dayton	341.5	336.4	330.4	(*)	(*)	(*)	9.3	9.2	7.9	94.2	83.4	83.9
28 Toledo	275.7	282.8	278.0	(*)	(*)	(*)	10.1	10.5	9.2	69.4	65.4	66.9
29 Youngstown—Warren	188.2	177.8	176.2	(*)	(*)	(*)	4.9	5.0	4.4	61.1	48.6	50.7
OKLAHOMA¹	1,227.1	1,218.6	1,198.6	16.1	93.9	92.1	52.2	53.3	51.7	195.0	170.6	168.8
30 Enid	28.9	27.9	27.8	4.3	3.3	3.3	1.6	1.8	1.8	2.8	2.2	2.2
32 Lawton	30.6	31.0	30.8	(2)	(2)	(2)	1.3	1.4	1.4	3.1	3.1	3.1
33 Oklahoma City	425.1	451.1	445.6	33.3	34.7	35.0	17.5	18.9	17.9	53.0	51.8	50.6
34 Tulsa	324.3	318.8	315.5	28.6	28.8	28.9	14.1	15.2	14.8	69.1	58.5	57.3
OREGON¹	556.6	950.2	929.6	1.8	1.2	1.0	27.3	26.4	24.9	181.7	180.0	175.3
36 Eugene—Springfield	96.2	92.7	90.9	(2)	(2)	(2)	3.1	2.3	2.2	16.7	16.4	16.1
37 Medford	-	-	-	-	-	-	-	-	-	(*)	6.2	(*)
38 Portland	(*)	517.8	(*)	(2)	(2)	(*)	(*)	15.9	(*)	(*)	95.7	(*)
39 Salem	81.9	81.8	(*)	(2)	(2)	(*)	2.8	2.5	(*)	10.6	10.1	(*)
PENNSYLVANIA¹	4,575.3	4,475.7	4,391.4	48.1	38.6	39.5	147.7	156.5	140.9	1,231.8	1,091.6	1,081.3
41 Allentown—Bethlehem—Easton	254.2	246.9	240.9	(2)	(2)	(2)	6.9	7.4	6.4	98.8	87.7	85.3
42 Altoona	46.2	45.0	45.0	(2)	(2)	(2)	1.4	1.7	1.4	11.3	10.6	10.8
43 Delaware Valley ¹²	1,549.1	1,556.7	1,530.7	(2)	(2)	(2)	51.5	53.1	49.4	344.6	319.3	316.1
44 Erie	108.7	104.4	102.1	(2)	(2)	(2)	2.4	2.9	2.5	40.5	33.9	34.1
45 Harrisburg	216.3	217.8	212.6	(2)	(2)	(2)	6.5	6.8	6.1	40.5	38.8	37.7
46 Johnstown	79.0	73.1	72.0	7.9	5.3	5.8	1.8	2.2	1.9	15.3	12.2	12.0
47 Lancaster	147.3	148.5	145.7	(2)	(2)	(2)	5.3	5.7	5.3	56.9	53.6	53.6
48 Northeast Pennsylvania	230.8	228.9	225.5	1.0	.9	.7	9.6	10.5	9.8	65.9	60.9	61.0
49 Philadelphia SMSA	1,889.1	1,903.4	1,869.6	(2)	(2)	(2)	61.8	65.8	60.6	416.2	386.4	383.1
50 Philadelphia City ¹³	754.9	757.8	746.9	(2)	(2)	(2)	16.7	17.3	16.2	120.5	112.7	111.7
51 Pittsburgh	505.0	855.8	840.8	9.8	6.8	7.7	36.4	39.9	35.4	217.8	171.0	171.7
52 Reading	134.4	134.3	131.5	(2)	(2)	(2)	3.8	4.0	3.4	50.9	48.2	47.8
53 Sharon	43.2	39.8	38.9	(2)	(2)	(2)	1.1	1.0	.9	13.9	10.9	10.5
54 State College	46.3	44.5	45.3	-	-	-	1.0	1.0	1.0	8.0	6.9	7.1
55 Williamsport	44.4	43.3	43.5	(2)	(2)	(2)	.9	1.2	1.1	15.9	13.8	14.4
56 York	151.9	147.3	145.0	(2)	(2)	(2)	5.1	5.7	5.4	62.8	56.9	56.2
RHODE ISLAND¹	386.0	391.4	383.4	(2)	(2)	(2)	9.5	12.1	11.4	118.9	115.7	114.0
57 Providence—Warwick—Pawtucket	393.4	396.0	387.0	(2)	(2)	(2)	9.6	12.1	11.6	131.4	127.8	125.3
SOUTH CAROLINA¹	1,163.2	1,159.7	1,140.0	1.7	1.7	1.7	61.1	65.6	62.9	379.4	351.1	348.6
60 Charleston—North Charleston	150.4	151.9	149.6	-	-	-	10.9	11.1	10.8	20.6	19.2	19.2
61 Columbia	175.4	182.2	180.1	-	-	-	8.3	9.0	8.9	26.5	25.4	25.0
62 Greenville—Spartanburg	262.0	257.3	253.8	-	-	-	15.8	13.8	13.4	100.7	93.7	93.4

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	
1.4	1.4	1.4	8.5	8.5	8.2	1.1	1.1	1.1	7.6	7.6	7.7	6.1	6.2	6.1	1
10.5	10.5	10.4	60.0	64.4	62.3	14.3	14.6	14.6	71.4	73.4	73.1	38.6	38.9	38.0	2
40.6	43.2	42.7	237.2	255.2	246.1	53.0	52.7	52.5	215.6	227.8	223.6	173.2	172.4	168.6	3
(*)	465.8	(*)	(*)	1,442.0	(*)	(*)	678.7	(*)	(*)	1,711.2	(*)	(*)	1,068.9	(*)	4
312.1	316.5	311.9	543.5	567.1	545.2	354.9	366.6	364.2	1,264.0	1,308.5	1,294.8	757.3	765.3	758.7	5
271.5	273.3	269.2	706.3	731.8	695.1	531.9	513.9	511.7	1,048.6	1,080.9	1,071.4	587.1	592.9	590.1	6
248.1	245.4	245.5	602.4	621.4	595.4	478.8	490.8	488.8	938.6	966.4	958.6	510.2	514.8	512.7	7
2.9	3.0	3.0	16.3	17.2	16.6	2.9	3.0	3.0	18.1	20.1	19.2	23.5	23.6	23.1	8
13.0	13.0	12.9	76.2	81.9	79.1	15.8	16.2	16.1	83.6	86.0	85.7	59.5	60.7	58.7	9
3.4	3.5	3.5	17.9	18.8	17.8	2.7	2.8	2.7	18.8	19.4	19.6	20.8	21.4	21.2	10
14.2	14.8	14.5	55.8	57.8	55.8	16.6	16.8	16.7	52.7	56.9	53.6	47.3	47.4	47.2	11
3.9	4.0	3.9	22.0	22.7	22.0	5.5	5.6	5.5	20.7	21.7	21.1	28.2	28.4	27.8	12
19.4	15.8	19.6	83.1	88.5	82.5	19.8	19.8	19.7	88.5	92.3	90.3	52.9	53.4	52.9	13
115.2	115.4	113.5	473.1	487.6	470.5	96.8	97.9	97.6	347.3	361.7	358.8	400.0	412.5	404.2	14
3.5	3.5	3.4	15.1	16.0	15.2	2.4	2.1	2.2	13.5	14.0	14.1	11.5	11.9	11.9	15
31.8	32.0	31.7	83.2	82.5	80.9	22.3	22.2	22.2	54.5	55.7	55.1	35.6	36.0	35.3	16
20.1	20.1	19.9	78.6	81.2	77.5	18.2	18.0	17.9	57.7	58.3	57.8	46.8	48.7	47.9	17
13.6	14.3	14.2	53.6	54.6	52.6	15.4	15.1	14.9	62.3	63.6	62.4	72.0	75.2	72.0	18
16.8	16.8	16.4	64.8	68.7	65.6	11.7	11.9	11.8	52.5	55.2	54.5	60.1	62.8	62.1	19
4.0	3.9	3.8	17.8	18.5	17.7	3.7	3.8	3.8	15.0	16.0	15.8	13.3	13.9	13.8	20
207.8	203.6	196.9	925.7	955.4	912.5	204.4	207.3	205.8	832.8	861.7	847.8	665.0	668.2	656.2	21
13.4	12.9	12.4	56.8	60.2	57.2	9.3	9.3	9.3	50.7	51.9	50.8	41.4	43.2	40.9	22
6.5	6.2	6.1	32.9	34.6	33.2	6.2	6.4	6.4	29.4	31.1	30.4	18.5	18.4	18.1	23
32.5	31.7	31.0	137.6	142.2	135.8	31.9	32.6	32.1	120.8	124.5	122.2	83.5	79.7	78.7	24
43.4	43.2	41.4	195.2	200.6	190.5	48.1	48.0	47.7	187.4	193.9	190.1	115.8	115.6	112.8	25
23.3	23.2	22.2	119.0	124.9	119.2	40.3	42.1	42.1	106.5	111.0	109.4	102.5	103.1	101.5	26
13.0	12.3	12.2	71.8	74.5	70.5	13.7	13.4	13.3	75.2	75.3	74.6	70.0	68.1	67.8	27
17.7	17.8	17.1	64.6	66.4	63.2	10.5	10.8	10.8	61.4	64.4	63.8	45.8	47.1	46.6	28
8.5	8.0	7.7	43.7	44.4	42.1	7.1	7.1	7.2	37.8	39.6	39.4	24.1	24.1	23.7	29
70.8	70.6	69.1	284.1	305.0	294.1	59.5	62.7	62.7	210.8	218.3	218.8	238.6	244.2	241.3	30
2.8	2.8	2.8	7.6	7.7	7.6	1.2	1.2	1.2	4.8	5.1	5.0	3.8	3.8	3.9	31
1.4	1.4	1.4	7.5	7.6	7.5	1.3	1.4	1.4	5.5	5.4	5.4	10.5	10.7	10.6	32
24.1	25.5	25.5	106.0	115.7	112.3	26.3	27.8	28.1	78.4	82.4	82.4	90.5	94.3	93.8	33
22.7	23.2	22.9	73.0	74.8	73.1	16.1	16.3	16.4	66.1	67.6	67.9	34.3	34.4	34.2	34
56.8	56.7	55.8	238.0	242.1	231.1	65.3	63.8	63.7	186.1	184.4	183.8	199.6	195.6	194.0	35
4.7	4.6	4.6	24.4	23.4	22.4	5.4	5.0	4.9	19.0	19.2	18.9	22.9	21.8	21.8	36
(*)	35.3	(*)	(*)	138.3	(*)	(*)	43.5	(*)	(*)	108.1	(*)	(*)	81.0	(*)	37
2.8	2.8	(*)	18.2	18.6	(*)	5.8	5.6	(*)	15.5	15.7	(*)	26.2	26.5	(*)	38
249.7	244.7	241.9	964.4	979.5	947.6	236.6	236.6	236.6	1,013.3	1,050.2	1,035.4	683.7	678.0	668.2	40
13.4	13.1	13.4	50.4	51.5	49.0	9.5	9.5	9.3	46.7	48.9	48.7	28.5	28.8	28.8	41
5.7	5.4	5.4	10.3	10.3	10.2	1.5	1.4	1.4	8.8	9.0	8.9	7.2	6.6	6.9	42
79.1	79.3	78.7	328.2	340.4	332.1	109.3	109.6	110.0	410.3	428.2	419.5	226.1	226.8	224.9	43
4.6	4.5	4.5	21.2	21.7	20.6	4.8	4.8	4.8	22.4	23.9	23.3	12.9	12.7	12.3	44
16.2	15.4	15.2	44.2	45.5	44.2	12.7	12.9	12.9	40.1	42.2	41.6	56.1	56.2	54.9	45
5.0	5.0	4.9	15.0	15.0	14.3	3.8	3.9	3.8	16.3	16.4	16.4	13.9	13.1	12.9	46
6.2	6.3	6.2	33.6	35.1	34.2	5.6	5.6	5.5	26.2	28.1	27.2	13.7	14.1	13.7	47
12.4	12.6	12.3	48.3	49.5	48.7	9.9	10.0	10.0	47.7	48.5	48.1	36.0	36.0	34.9	48
94.2	94.7	93.8	417.0	433.3	420.4	126.7	126.9	127.0	480.1	501.1	491.6	293.1	295.2	293.1	49
49.0	49.4	49.5	138.9	141.6	137.6	65.6	65.2	65.1	223.5	230.4	225.8	140.7	141.2	141.0	50
53.3	50.1	49.7	205.9	205.9	195.1	46.3	46.2	45.8	223.3	227.9	224.5	112.2	108.0	106.9	51
6.3	6.4	6.2	27.0	27.6	26.7	6.3	6.2	6.1	23.9	25.0	24.6	16.2	16.9	16.7	52
3.0	2.6	2.6	5.1	5.2	4.9	1.3	1.3	1.3	9.5	9.5	9.4	5.3	5.3	5.3	53
1.1	1.1	1.1	8.3	8.8	8.3	1.3	1.3	1.3	5.9	6.4	6.3	22.0	18.8	20.0	54
2.1	2.2	2.2	9.2	9.6	9.4	2.1	2.1	2.1	8.2	8.3	8.2	6.0	6.1	6.1	55
7.2	6.5	6.5	32.0	33.5	32.3	3.9	4.0	4.1	22.5	23.0	23.0	18.4	17.7	17.5	56
12.9	13.3	13.1	78.1	80.3	76.9	20.8	21.3	21.3	87.7	91.1	89.3	58.1	57.6	57.4	57
13.0	12.9	12.6	78.2	75.2	75.5	20.7	21.0	21.0	85.0	88.8	87.0	55.5	54.2	54.0	58
53.7	54.1	53.6	223.8	234.3	223.5	47.5	49.9	49.3	163.8	167.8	167.5	232.2	235.2	232.9	59
9.2	9.4	9.0	33.2	35.0	33.8	6.4	6.8	6.7	25.6	26.6	26.8	44.5	43.8	43.3	60
5.7	9.6	9.5	37.5	38.1	37.6	14.1	14.3	14.3	29.8	29.9	30.0	53.2	55.6	54.5	61
9.7	9.2	9.1	53.3	55.4	53.4	10.0	10.5	10.2	37.6	39.6	39.5	34.6	34.8	34.5	62

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Contract Construction			Manufacturing		
	JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P	JAN. 1982	DEC. 1982	JAN. 1983 P
1 SOUTH DAKOTA ¹	224.9	228.7	223.5	2.7	2.7	2.7	6.4	7.3	6.1	25.4	24.1	23.8
2 Sioux Falls.....	53.1	54.8	53.8	(3)	(3)	(3)	1.7	2.0	1.7	7.5	7.5	7.4
3 TENNESSEE ¹	1,687.3	1,668.1	1,639.0	9.0	9.5	8.9	64.2	66.7	61.1	481.7	456.5	453.5
4 Chattanooga.....	164.6	164.6	163.3	1.2	1.3	1.2	5.0	6.1	6.0	46.7	43.0	42.1
5 Knoxville.....	201.5	203.0	199.2	1.4	1.5	1.4	8.5	8.9	8.9	50.4	48.6	48.2
6 Memphis.....	346.3	345.1	340.8	.1	.1	.1	11.4	11.6	10.7	55.5	51.9	50.9
7 Nashville—Davidson.....	362.1	366.5	359.9	(2)	(2)	(2)	15.6	18.3	17.5	81.4	75.3	75.0
8 TEXAS ¹	6,271.7	6,219.7	6,168.7	324.2	297.8	296.1	414.7	409.1	404.7	1,107.8	1,075.9	999.7
9 Abilene.....	60.5	63.2	60.3	6.1	5.0	5.0	3.2	3.4	3.4	5.9	6.8	6.6
10 Amarillo.....	74.9	78.8	78.4	(2)	(2)	(2)	3.5	3.1	3.2	10.3	10.4	10.6
11 Austin.....	261.5	272.9	268.5	(2)	(2)	(2)	14.0	14.9	14.7	32.9	33.5	33.2
12 Beaumont—Port Arthur—Orange.....	155.4	146.9	146.6	(2)	(2)	(2)	12.2	11.0	10.8	41.8	34.3	34.2
13 Corpus Christi.....	136.1	133.5	133.3	9.7	9.2	9.2	12.6	12.4	12.3	16.3	14.8	14.7
14 Dallas—Fort Worth.....	1,513.2	1,549.4	1,531.3	31.7	32.8	32.9	78.1	83.2	81.2	324.3	307.2	307.0
15 El Paso.....	170.4	164.9	162.9	(2)	(2)	(2)	8.2	7.9	7.6	40.8	37.4	36.7
16 Galveston—Texas City.....	70.1	68.7	68.3	(2)	(2)	(2)	5.4	4.7	4.7	11.9	11.1	11.0
17 Houston.....	1,619.5	1,570.3	1,561.0	116.7	102.6	102.1	145.4	141.8	140.2	273.7	238.8	236.8
18 Longview—Marshall.....	71.7	68.5	68.1	(2)	(2)	(2)	4.7	4.6	4.5	19.2	16.5	16.6
19 Lubbock.....	85.3	90.2	88.5	(2)	(2)	(2)	3.5	4.2	4.0	11.9	11.4	11.3
20 Midland.....	53.7	51.4	52.2	14.6	13.4	13.9	4.2	4.2	4.2	4.8	4.1	4.2
21 Odessa.....	64.2	56.0	55.6	10.0	7.9	8.3	6.0	5.2	5.2	10.3	6.9	6.8
22 San Angelo.....	37.3	36.3	36.1	1.2	.7	.7	2.2	2.1	2.1	6.4	5.6	5.6
23 San Antonio.....	417.7	422.5	420.5	3.3	3.2	3.2	25.4	27.2	27.2	53.1	48.8	48.6
24 Sherman—Denison.....	35.6	33.3	33.2	.2	.2	.2	1.7	1.4	1.4	12.4	13.7	10.7
25 Waco.....	70.5	71.0	70.4	(2)	(2)	(2)	3.2	3.4	3.3	15.7	14.2	14.6
26 Wichita Falls.....	55.7	52.9	52.6	4.2	3.4	3.4	2.1	2.1	2.1	11.3	8.4	8.4
27 UTAH ⁴	555.3	563.1	552.5	21.0	16.0	15.5	23.2	27.2	24.2	88.6	83.1	81.8
28 Salt Lake City—Ogden.....	351.3	396.0	389.2	8.2	5.8	5.8	15.6	17.8	15.9	61.9	57.5	57.1
29 VERMONT ¹	200.5	203.4	199.7	.5	.6	.5	8.2	9.5	7.8	49.5	48.4	47.3
30 Burlington ¹⁴	59.2	60.9	59.1	-	-	-	-	-	-	16.0	15.7	15.6
31 Springfield ¹⁴	14.4	14.0	13.6	-	-	-	-	-	-	5.7	5.0	4.9
32 VIRGINIA ¹	2,104.1	2,140.2	2,109.2	24.1	20.8	20.4	93.4	98.5	94.3	400.8	394.4	390.8
33 Bristol.....	26.5	27.1	26.6	(2)	(2)	(2)	.8	.9	.9	9.3	8.7	8.6
34 Lynchburg.....	70.4	68.0	67.8	(2)	(2)	(2)	2.2	2.5	2.4	28.1	25.8	26.0
35 Newport News—Hampton.....	145.3	153.0	150.0	(2)	(2)	(2)	5.8	5.8	5.6	34.6	38.0	37.7
36 Norfolk—Virginia Beach—Portsmouth.....	263.6	292.7	287.5	(2)	(2)	(2)	14.3	17.1	16.5	27.0	26.1	24.8
37 Northern Virginia ¹⁵	461.7	482.7	479.3	.5	.5	.5	21.8	24.4	24.0	21.3	22.5	22.5
38 Petersburg—Colonial Hgts.—Hopewell.....	43.2	43.3	43.0	(2)	(2)	(2)	1.5	1.9	1.9	9.7	8.5	8.1
39 Richmond.....	321.5	322.2	321.1	.3	.3	.2	15.6	14.9	14.7	55.9	54.1	54.9
40 Roanoke.....	100.2	101.3	101.0	.2	.1	.1	3.9	4.7	4.5	20.3	19.7	19.6
41 WASHINGTON ¹	1,556.8	1,564.1	1,544.7	3.0	3.0	3.0	73.0	70.0	66.7	291.9	280.1	277.6
42 Seattle—Everett.....	755.4	(*)	(*)	(2)	(*)	(*)	32.7	(*)	(*)	165.8	(*)	(*)
43 Spokane.....	120.0	(*)	(*)	(2)	(*)	(*)	4.1	(*)	(*)	15.2	(*)	(*)
44 Tacoma.....	134.3	(*)	(*)	(2)	(*)	(*)	5.8	(*)	(*)	21.0	(*)	(*)
45 WEST VIRGINIA ¹	611.8	595.7	586.5	69.7	52.9	52.3	23.6	27.0	24.0	132.9	93.1	92.6
46 Charleston.....	108.7	107.6	105.8	6.4	5.1	4.9	4.3	5.3	4.6	16.2	15.5	15.4
47 Huntington—Ashland.....	55.9	96.1	94.2	1.2	1.0	1.0	4.5	5.0	4.4	23.5	22.2	19.8
48 Parkersburg—Marietta.....	57.3	56.7	56.0	1.6	1.5	1.5	2.7	3.3	2.9	15.9	14.6	14.8
49 Wheeling.....	62.8	60.3	59.5	5.2	4.2	4.3	1.8	2.4	2.2	11.3	8.4	8.5
50 WISCONSIN.....	1,859.4	1,846.0	1,797.5	1.6	1.5	1.1	49.6	48.2	42.0	514.6	466.1	460.3
51 Appleton—Oshkosh.....	121.4	120.0	117.5	(2)	(2)	(2)	4.0	4.2	3.6	45.1	41.7	41.6
52 Eau Claire.....	47.3	47.7	46.2	(2)	(2)	(2)	1.4	1.1	1.0	8.7	8.5	8.2
53 Green Bay.....	76.9	78.7	77.5	(2)	(2)	(2)	2.4	2.8	2.4	20.9	20.7	20.5
54 Janesville—Beloit.....	46.5	49.1	48.1	(2)	(2)	(2)	1.1	1.0	.9	15.5	16.9	16.9
55 Kenosha.....	40.8	41.9	40.6	(2)	(2)	(2)	1.3	1.6	1.5	15.8	16.6	16.3
56 La Crosse.....	44.9	46.0	44.6	(2)	(2)	(2)	1.2	.9	.8	10.7	9.6	9.5
57 Madison.....	167.3	169.4	165.5	(2)	(2)	(2)	5.2	4.3	3.7	19.7	18.2	18.2
58 Milwaukee.....	643.3	621.3	609.4	(2)	(2)	(2)	15.1	14.3	12.7	187.3	159.6	158.1
59 Racine.....	62.3	58.4	57.8	(2)	(2)	(2)	1.2	1.4	1.1	24.4	22.2	21.4
60 WYOMING ⁴	213.7	210.7	205.3	38.9	37.7	36.4	16.1	15.0	13.8	9.3	9.3	9.1
61 PUERTO RICO.....	646.3	628.9	(*)	.8	.7	(*)	25.8	19.9	(*)	146.5	140.4	(*)
62 Caguas.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
63 Mayaguez.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	
12.6	12.5	12.5	60.2	60.7	58.8	11.4	12.0	11.9	50.2	51.6	51.4	56.0	57.8	56.3	1
4.6	4.8	4.7	15.2	15.3	15.0	3.7	4.1	4.1	13.7	14.3	14.3	6.7	6.9	6.6	2
83.7	85.7	77.7	367.9	371.9	362.7	78.9	79.2	78.7	258.6	308.9	303.2	303.7	294.7	293.2	3
7.7	7.3	7.3	35.0	34.1	35.8	10.0	10.1	10.1	29.1	28.9	29.0	30.6	31.8	31.8	4
8.3	8.1	7.8	44.4	45.4	44.1	8.5	8.6	8.5	34.4	37.6	36.5	45.7	44.3	43.8	5
26.6	25.7	25.3	95.6	96.2	94.7	19.2	19.6	19.6	75.2	78.2	77.7	62.7	61.8	61.8	6
19.8	19.0	17.6	84.7	88.1	86.0	25.0	25.2	25.2	75.5	79.8	78.2	61.1	60.8	62.4	7
389.0	377.9	377.9	1,546.8	1,557.4	1,528.4	356.4	368.2	370.7	1,120.6	1,161.5	1,157.2	1,012.2	1,041.9	1,034.0	8
3.2	3.3	3.2	16.6	15.8	15.6	2.9	3.0	3.1	13.5	13.6	13.7	9.2	9.3	9.5	9
6.6	6.4	6.5	21.9	24.9	24.2	3.9	4.1	4.1	16.1	17.0	16.9	12.6	12.9	12.9	10
8.0	7.8	7.9	59.1	62.7	61.1	16.2	17.6	17.1	51.3	54.3	54.2	80.0	82.1	80.3	11
12.4	12.5	12.6	34.3	34.2	34.0	5.6	5.8	5.8	29.1	28.5	28.8	20.7	20.6	20.5	12
7.9	7.6	7.7	33.2	32.1	32.0	6.3	6.3	6.4	24.2	24.7	24.5	25.9	26.4	26.5	13
99.4	97.3	96.3	406.7	427.7	417.1	113.2	117.3	116.8	281.1	301.3	301.2	178.2	182.6	178.8	14
10.7	10.5	10.5	42.6	40.6	40.4	7.6	7.7	7.7	27.0	27.4	26.7	33.5	33.4	33.3	15
6.4	6.3	6.3	13.1	13.1	12.7	4.6	4.5	4.5	11.1	10.9	11.0	17.6	18.1	18.1	16
112.6	108.4	108.1	385.4	381.5	376.5	96.7	100.1	100.0	317.2	319.4	318.8	171.9	177.7	178.1	17
3.8	3.8	3.8	17.5	17.4	17.2	2.6	2.8	2.8	16.4	15.7	15.5	7.5	7.7	7.7	18
5.3	4.8	4.7	26.1	26.4	26.0	4.8	5.1	5.1	18.0	17.5	17.5	19.7	20.8	19.9	19
3.0	3.0	3.1	11.7	10.9	10.8	2.7	3.2	3.3	8.0	8.0	8.1	4.7	4.6	4.6	20
3.3	3.0	3.0	18.0	15.7	15.1	2.1	2.4	2.3	8.5	8.1	8.0	6.3	6.8	6.9	21
3.8	3.7	3.7	8.6	9.2	8.8	1.4	1.4	1.4	7.0	7.2	7.3	6.4	6.4	6.5	22
18.7	18.4	18.2	106.6	109.4	107.4	28.1	28.9	28.9	87.5	90.9	90.9	95.0	95.7	96.1	23
2.3	2.3	2.4	7.0	7.1	6.9	1.2	1.2	1.2	6.0	5.8	5.8	4.8	4.6	4.6	24
3.4	3.4	3.4	17.2	17.9	17.6	4.4	4.5	4.4	15.5	15.9	15.5	11.2	11.7	11.6	25
2.8	3.1	3.1	13.3	13.6	13.4	2.4	2.5	2.6	8.8	9.0	8.9	10.8	10.8	10.7	26
33.8	35.6	34.8	129.9	136.1	130.5	26.2	27.0	26.9	106.7	111.0	111.6	126.1	127.1	127.3	27
26.2	27.7	27.1	96.5	100.0	95.8	21.0	21.8	21.7	72.2	74.8	74.8	89.8	90.6	91.1	28
8.5	8.8	8.7	42.5	43.6	42.8	8.4	8.6	8.5	47.9	47.2	48.7	35.0	36.7	35.4	29
2.3	2.4	2.3	12.9	13.2	12.9	-	-	-	13.0	13.2	13.4	-	-	-	30
.7	.7	.7	2.2	2.4	2.3	-	-	-	3.0	2.9	2.9	-	-	-	31
117.0	116.8	115.6	452.0	472.2	455.4	104.4	105.8	105.9	413.5	429.6	425.8	499.0	502.1	501.1	32
1.0	1.1	1.1	6.2	6.8	6.5	.9	.9	.9	3.4	3.6	3.6	5.0	5.0	5.0	33
2.8	2.7	2.7	11.8	12.2	11.5	3.3	3.3	3.3	11.8	11.8	11.8	10.3	9.7	9.6	34
5.0	5.1	4.9	29.6	32.4	31.2	4.5	4.4	4.3	27.6	29.5	28.8	37.9	37.8	37.6	35
20.0	19.9	20.3	68.9	72.2	69.6	14.5	14.7	14.7	59.1	61.7	61.2	79.8	80.9	80.4	36
32.3	33.2	33.1	108.4	113.1	110.4	28.1	29.0	29.2	129.7	136.0	136.0	119.6	124.0	123.4	37
1.3	1.2	1.2	8.1	8.4	8.3	1.2	1.2	1.2	6.8	7.5	7.5	14.7	14.6	14.7	38
19.5	19.4	19.3	75.9	77.9	76.6	26.6	26.7	26.7	57.8	59.3	58.7	69.9	69.6	69.9	39
9.7	9.2	9.2	24.5	25.6	25.1	5.9	5.9	5.9	20.7	21.5	21.6	15.0	14.7	15.0	40
88.1	88.8	87.6	381.3	390.0	378.7	90.7	90.2	90.2	309.6	317.2	318.2	319.2	324.6	322.7	41
50.2	(*)	(*)	183.5	(*)	(*)	57.4	(*)	(*)	151.5	(*)	(*)	114.3	(*)	(*)	42
7.9	(*)	(*)	33.9	(*)	(*)	7.7	(*)	(*)	29.9	(*)	(*)	21.9	(*)	(*)	43
6.3	(*)	(*)	32.7	(*)	(*)	6.9	(*)	(*)	29.4	(*)	(*)	31.9	(*)	(*)	44
42.2	40.1	39.4	127.4	130.5	125.4	21.8	22.0	22.0	191.4	192.7	190.9	125.9	127.4	126.2	45
9.3	8.9	8.8	25.7	26.2	25.4	4.9	4.9	4.9	21.0	21.4	21.4	20.8	20.3	20.4	46
9.9	8.0	8.1	23.7	24.2	23.3	3.7	3.6	3.6	15.2	15.4	15.4	18.0	18.7	18.6	47
2.3	2.2	2.2	12.5	13.0	12.7	2.0	2.0	2.0	10.4	10.6	10.4	9.5	9.3	9.3	48
3.6	3.6	3.5	14.7	14.5	14.5	2.8	2.8	2.8	14.3	14.6	14.5	9.1	9.4	9.1	49
86.9	86.3	82.7	419.3	428.4	416.3	95.8	97.6	96.8	374.9	385.2	381.5	316.7	322.6	316.7	50
4.4	4.3	4.3	24.8	25.6	24.4	5.6	5.7	5.8	21.2	21.9	21.7	16.3	16.3	16.1	51
2.6	2.6	2.6	12.5	13.2	12.6	1.7	1.7	1.7	5.8	9.7	9.5	10.6	10.8	10.5	52
6.0	6.1	6.2	19.3	20.3	19.9	2.5	2.6	2.6	15.4	15.9	15.9	10.4	10.2	10.1	53
2.2	2.6	2.5	10.6	10.6	10.5	1.4	1.4	1.4	8.9	9.2	9.0	6.8	7.2	6.9	54
1.3	1.2	1.2	7.9	8.0	7.6	1.0	1.0	1.0	7.6	7.4	7.3	5.9	6.0	5.8	55
2.1	1.8	1.8	11.7	12.4	11.9	1.1	1.1	1.1	11.4	12.1	12.3	7.4	8.1	7.3	56
6.3	6.4	6.3	35.8	39.5	36.5	13.5	13.6	13.5	33.1	34.1	34.4	53.9	53.3	53.0	57
33.2	32.9	31.4	138.5	141.2	136.4	43.8	40.9	40.5	145.4	150.0	148.0	83.1	82.4	82.2	58
2.4	2.5	2.4	12.7	13.0	12.5	2.2	2.2	2.2	11.1	11.0	11.0	8.4	8.2	8.1	59
18.2	17.1	16.9	48.3	47.7	46.2	7.7	7.6	7.6	31.8	29.9	29.5	43.4	46.4	45.8	60
17.1	14.5	(*)	109.2	107.2	(*)	28.1	27.9	(*)	82.2	84.8	(*)	236.7	233.5	(*)	61
(*)	(*)	(*)	4.8	4.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	11.0	5.8	(*)	62
(*)	(*)	(*)	5.5	5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.8	13.6	(*)	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area		Total			Mining			Contract Construction			Manufacturing		
		JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
PUERTO RICO—Continued													
1	Ponce.....	(*)	(*)	(*)	(*)	(*)	(*)	1.8	1.9	(*)	(*)	(*)	(*)
2	San Juan.....	(*)	(*)	(*)	(2)	(2)	(2)	18.8	14.0	(*)	(*)	(*)	(*)
3	VIRGIN ISLANDS.....	26.0	35.5	(*)	(3)	(3)	(*)	3.0	2.8	(*)	2.6	2.6	(*)

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(in thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government		
JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
(*)	(*)	(*)	7.0	7.2	(*)	(*)	(*)	(*)	6.5	6.3	(*)	16.8	18.5	(*)
13.5	11.6	(*)	69.3	68.2	(*)	21.1	21.3	(*)	58.3	59.9	(*)	122.9	119.0	(*)
2.1	2.1	(*)	7.8	7.2	(*)	1.7	1.6	(*)	5.9	5.6	(*)	12.9	13.6	(*)

¹ State and areas revised to March 1982 benchmarks; not strictly comparable with previously published data. The area exceptions are the Indiana areas; New York—Northeastern New Jersey, New York; the Oregon areas, and the Washington areas.

² Combined with services.

³ Combined with construction.

⁴ State and areas based on March 1982 benchmarks.

⁵ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁶ Subarea of Baltimore Standard Metropolitan Statistical Area.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁸ Subarea of New York—Northeastern New Jersey.

⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹⁰ Area included in New York and Nassau—Suffolk combined SMSA's.

¹¹ Subarea of New York Standard Metropolitan Statistical Area.

¹² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹⁴ Total includes data for industry divisions not shown separately.

¹⁵ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, 1962 to date**

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings excl. overtime
	Total private ¹			Mining			Construction			Manufacturing			
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings excl. overtime
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	3.52	3.45
1972.....	136.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.05	154.71	40.5	3.82	3.66
1973.....	145.39	36.9	3.94	201.40	42.4	4.75	235.89	36.8	6.41	165.46	40.7	4.09	3.91
1974.....	154.76	36.5	4.24	219.14	41.9	5.23	249.25	35.6	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	193.79	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.....	189.00	36.0	5.25	301.20	43.4	6.94	295.65	36.5	8.10	228.90	40.3	5.68	5.44
1978.....	203.70	35.8	5.69	332.88	43.4	7.67	318.69	36.8	8.66	249.27	40.4	5.17	5.91
1979.....	219.91	35.7	6.16	365.37	43.0	8.49	342.99	37.0	9.27	269.34	40.2	6.70	6.43
1980.....	235.10	35.3	6.66	397.36	43.3	9.17	367.78	37.0	9.94	288.62	39.7	7.27	7.02
1981.....	255.20	35.2	7.25	439.13	43.7	10.05	398.52	36.9	10.80	318.03	39.8	7.99	7.72
1982.....	266.92	34.8	7.67	460.93	42.6	10.82	425.41	36.8	11.56	330.65	38.9	8.50	8.25
1982:													
February..	262.39	34.8	7.54	463.03	43.6	10.62	406.39	35.9	11.32	326.93	39.2	8.34	8.10
March.....	261.99	34.7	7.55	465.15	43.8	10.62	419.21	37.0	11.33	327.27	39.1	8.37	8.13
April.....	262.27	34.6	7.58	454.75	42.7	10.65	415.44	36.7	11.32	325.85	38.7	8.42	8.19
May.....	265.52	34.8	7.63	454.12	42.6	10.66	429.75	37.5	11.46	329.55	39.0	8.45	8.22
June.....	267.40	35.0	7.64	463.13	42.8	10.82	427.88	37.5	11.41	334.05	39.3	8.50	8.25
July.....	269.98	35.2	7.67	463.53	42.5	10.91	438.14	38.0	11.53	332.60	38.9	8.55	8.31
August.....	271.04	35.2	7.70	463.33	42.4	10.93	436.16	37.6	11.60	331.89	39.0	8.51	8.26
September.	270.05	34.8	7.76	462.58	41.9	11.04	430.99	35.9	11.68	334.15	38.9	8.59	8.33
October...	270.31	34.7	7.79	461.74	41.9	11.02	438.52	37.1	11.82	333.84	39.0	8.56	8.31
November..	271.01	34.7	7.81	460.13	41.6	11.06	420.93	36.1	11.66	338.37	39.3	8.61	8.36
December..	274.48	35.1	7.82	467.58	42.2	11.08	437.92	35.8	11.93	344.99	39.7	8.69	8.42
1983:													
January..P	273.34	34.6	7.90	476.43	42.5	11.21	437.27	35.9	11.85	341.43	39.2	8.71	8.47
February.P	270.18	34.2	7.90	462.67	40.8	11.34	421.97	35.4	11.92	338.63	38.7	8.75	8.49
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1962.....	-	-	-	\$69.91	38.2	\$1.83	\$80.94	37.3	\$2.17	-	-	-	-
1963.....	-	-	-	72.31	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964.....	\$118.78	41.1	\$2.89	74.55	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	87.30	36.1	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	95.65	34.4	2.81	-
1971.....	168.82	40.1	4.21	101.39	35.1	2.88	117.85	36.6	3.22	103.06	33.9	3.04	-
1972.....	187.86	40.4	4.65	106.45	34.9	3.35	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	35.6	3.53	117.29	33.8	3.47	-
1974.....	217.48	40.2	5.41	119.02	34.2	3.48	137.61	35.5	3.77	126.00	33.6	3.75	-
1975.....	233.44	39.7	5.88	125.45	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	40.0	7.57	153.64	32.9	4.67	178.00	36.4	4.89	163.67	32.8	4.99	-
1979.....	325.58	39.9	8.16	164.95	32.6	5.06	190.77	36.2	5.27	175.27	32.7	5.36	-
1980.....	351.25	39.6	8.87	176.45	32.2	5.48	209.60	36.2	5.79	190.71	32.6	5.85	-
1981.....	382.18	39.4	9.70	190.35	32.2	5.93	229.05	35.3	6.31	208.97	32.6	6.41	-
1982.....	402.09	39.0	10.31	198.42	31.9	6.22	245.44	36.2	6.78	225.27	32.6	6.91	-
1982:													
February..	397.10	39.2	10.13	194.55	31.6	6.16	239.64	36.2	6.62	220.68	32.5	6.79	-
March.....	392.73	39.0	10.07	194.55	31.6	6.16	239.22	36.3	6.59	220.03	32.5	6.77	-
April.....	393.43	38.8	10.14	195.91	31.7	6.18	240.37	36.2	6.64	221.33	32.5	6.81	-
May.....	394.60	38.8	10.17	197.73	31.9	6.20	245.75	36.3	6.77	222.63	32.5	6.85	-
June.....	399.84	39.2	10.20	199.32	32.1	6.20	242.23	36.1	6.71	224.35	32.8	6.84	-
July.....	403.37	39.2	10.29	202.45	32.6	6.21	245.44	36.2	6.73	227.40	33.1	6.87	-
August.....	409.90	39.3	10.43	202.77	32.6	6.22	249.38	36.3	6.87	227.70	33.0	6.90	-
September.	405.85	38.8	10.46	200.95	32.1	6.26	249.09	36.1	6.90	228.57	32.7	6.99	-
October...	406.62	38.8	10.48	200.97	31.9	6.30	252.31	36.2	6.97	229.13	32.5	7.05	-
November..	413.01	39.0	10.59	200.34	31.7	6.32	253.76	36.2	7.01	230.10	32.5	7.08	-
December..	415.24	39.1	10.62	203.83	32.4	6.29	254.46	36.3	7.01	232.82	32.7	7.12	-
1983:													
January..P	409.34	38.4	10.66	202.86	31.5	6.44	263.89	36.6	7.21	234.39	32.6	7.19	-
February.P	405.84	38.0	10.68	199.92	30.9	6.47	259.55	36.2	7.17	231.66	32.4	7.15	-

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

p = preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
-	TOTAL PRIVATE	\$266.92	\$255.95	\$274.48	\$273.34	\$270.13	\$7.67	\$7.55	\$7.82	\$7.90	\$7.90
-	MINING	460.93	456.89	467.58	476.43	462.67	10.82	10.65	11.08	11.21	11.34
10	METAL MINING	475.17	483.94	490.78	494.00	-	12.31	12.19	12.52	12.57	-
101	Iron ores	517.90	510.44	540.79	531.34	-	12.98	12.89	13.32	13.52	-
102	Copper ores	484.91	486.20	536.18	535.25	-	12.53	12.34	12.92	12.96	-
11, 12	COAL MINING	506.73	507.16	525.36	526.95	-	12.68	12.40	13.20	13.24	-
12	BITUMINOUS COAL AND LIGNITE MINING	508.33	508.80	528.68	528.94	-	12.72	12.44	13.25	13.29	-
13	OIL AND GAS EXTRACTION	456.14	449.34	458.11	470.17	-	10.32	10.03	10.58	10.71	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	435.51	490.45	517.37	549.48	-	11.94	11.54	12.26	12.69	-
138	Oil and gas field services	441.08	436.80	432.74	435.81	-	9.78	9.60	9.88	9.86	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	379.99	347.01	385.53	386.13	-	8.92	8.99	9.05	9.15	-
142	Crushed and broken stone	369.78	312.20	366.21	362.52	-	8.54	8.53	8.38	8.47	-
-	CONSTRUCTION	425.41	385.95	437.92	437.27	421.97	11.56	11.59	11.90	11.85	11.92
15	GENERAL BUILDING CONTRACTORS	377.25	341.39	385.17	385.11	-	10.45	10.44	10.64	10.58	-
152	Residential building construction	344.75	312.26	344.26	342.50	-	9.63	9.52	9.78	9.73	-
153	Operative builders	312.54	299.59	339.68	347.14	-	8.47	8.89	9.01	8.97	-
154	Nonresidential building construction	412.41	369.68	427.02	427.09	-	11.33	11.34	11.51	11.45	-
16	HEAVY CONSTRUCTION CONTRACTORS	456.40	394.20	469.62	475.07	-	11.41	11.56	11.77	11.73	-
161	Highway and street construction	400.99	322.74	376.16	379.05	-	9.95	9.90	9.67	9.50	-
162	Heavy construction, except highway	476.41	412.62	497.24	501.42	-	11.94	11.96	12.40	12.32	-
17	SPECIAL TRADE CONTRACTORS	433.04	402.38	447.50	446.43	-	12.13	12.12	12.50	12.47	-
171	Plumbing, heating, air conditioning	452.03	434.25	470.75	467.74	-	12.25	12.13	12.52	12.54	-
172	Painting, paper hanging, decorating	373.87	340.23	384.19	392.11	-	10.90	10.94	11.04	11.30	-
173	Electrical work	512.11	486.80	538.08	527.06	-	13.62	13.56	13.94	13.87	-
174	Masonry, stonework, and plastering	394.96	344.84	393.27	397.40	-	11.72	11.65	11.99	11.97	-
175	Carpentering and flooring	372.96	341.01	395.14	396.97	-	11.10	10.69	11.52	11.44	-
176	Roofing and sheet metal work	342.19	280.84	352.19	344.61	-	10.66	10.76	11.11	10.94	-
-	MANUFACTURING	330.65	312.38	344.99	341.43	338.63	8.50	8.42	8.69	8.71	8.75
24, 25, 32-39	DURABLE GOODS	355.67	336.28	370.12	367.62	354.55	9.05	8.92	9.23	9.26	9.30
20-23, 26-31	NONDURABLE GOODS	296.83	277.65	311.24	307.64	305.18	7.73	7.67	7.96	7.97	8.01
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	285.00	248.71	295.25	301.07	295.30	7.50	7.38	7.59	7.70	7.67
241	Logging camps and logging contractors	383.25	294.41	374.98	406.40	-	10.22	9.98	10.08	10.16	-
242	Sawmills and planing mills	294.90	264.62	305.37	314.42	-	7.72	7.76	7.81	7.92	-
2421	Sawmills and planing mills, general	311.00	282.08	321.79	334.43	-	8.12	8.20	8.23	8.34	-
2426	Hardwood dimension and flooring	203.45	172.78	222.75	207.90	-	5.34	5.30	5.50	5.40	-
243	Millwork, plywood, and structural members	280.77	253.77	298.58	299.49	-	7.35	7.23	7.54	7.64	-
2431	Millwork	289.84	269.75	299.83	302.62	-	7.47	7.35	7.61	7.72	-
2434	Wood kitchen cabinets	250.36	228.78	267.24	268.80	-	6.73	6.67	6.87	7.00	-
2435	Hardwood veneer and plywood	219.66	196.65	231.66	233.82	-	5.80	5.70	5.94	5.98	-
2436	Softwood veneer and plywood	343.66	299.98	375.24	367.88	-	8.88	8.67	9.13	9.22	-
244	Wood containers	208.86	186.78	203.63	204.05	-	5.54	5.66	5.43	5.50	-
245	Wood buildings and mobile homes	244.12	195.00	254.10	246.32	-	6.67	6.61	6.74	6.73	-
2451	Mobile homes	243.91	193.75	253.26	245.82	-	6.61	6.48	6.70	6.68	-
249	Miscellaneous wood products	244.05	221.40	256.61	253.11	-	6.29	6.15	6.48	6.49	-
25	FURNITURE AND FIXTURES	235.74	204.10	250.39	244.78	242.45	6.32	6.28	6.47	6.51	6.50
251	Household furniture	211.85	172.47	226.48	222.83	-	5.82	5.73	5.96	5.99	-
2511	Wood household furniture	193.14	154.41	205.30	204.97	-	5.35	5.27	5.46	5.51	-
2512	Upholstered household furniture	222.14	176.13	244.60	233.60	-	5.24	6.18	6.42	6.40	-
2514	Metal household furniture	233.07	205.80	250.67	242.97	-	6.12	6.00	6.22	6.23	-
2515	Mattresses and bedsprings	235.79	197.81	245.39	252.65	-	6.46	6.24	6.65	6.81	-
252	Office furniture	264.11	258.02	280.53	273.56	-	6.86	6.79	7.12	7.18	-
253	Public building and related furniture	281.39	267.38	303.89	288.32	-	7.07	7.13	7.27	7.19	-
254	Partitions and fixtures	296.06	270.36	307.33	301.37	-	7.67	7.51	7.82	7.91	-
259	Miscellaneous furniture and fixtures	275.19	264.42	297.86	282.55	-	7.01	7.07	7.16	7.32	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
-	TOTAL PRIVATE	34.8	33.9	35.1	34.6	34.2	-	-	-	-	-
-	MINING	42.6	42.9	42.2	42.5	40.8	-	-	-	-	-
10	METAL MINING	38.6	39.7	39.2	39.3	-	-	-	-	-	
101	Iron ores	39.9	39.6	40.6	39.3	-	-	-	-	-	
102	Copper ores	38.7	39.4	41.5	41.3	-	-	-	-	-	
11, 12	COAL MINING	40.0	40.9	39.8	39.8	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	40.0	40.9	39.9	39.8	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	44.2	44.8	43.3	43.9	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.5	42.5	42.2	43.3	-	-	-	-	-	
138	Oil and gas field services	45.1	45.5	43.8	44.2	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.6	38.6	42.6	42.2	-	-	-	-	-	
142	Crushed and broken stone	43.3	36.6	43.7	42.8	-	-	-	-	-	
-	CONSTRUCTION	36.8	33.3	36.8	36.9	35.4	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	36.1	32.7	36.2	36.4	-	-	-	-	-	
152	Residential building construction	35.8	32.8	35.2	35.2	-	-	-	-	-	
153	Operative builders	36.9	33.7	37.7	38.7	-	-	-	-	-	
154	Nonresidential building construction	36.4	32.6	37.1	37.3	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	40.0	34.1	39.9	40.5	-	-	-	-	-	
161	Highway and street construction	40.3	32.6	38.9	39.9	-	-	-	-	-	
162	Heavy construction, except highway	39.9	34.5	40.1	40.7	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	35.7	33.2	35.8	35.8	-	-	-	-	-	
171	Plumbing, heating, air conditioning	36.9	35.8	37.6	37.3	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.3	31.1	34.8	34.7	-	-	-	-	-	
173	Electrical work	37.6	35.9	38.6	38.0	-	-	-	-	-	
174	Masonry, stonework, and plastering	33.7	29.6	32.8	33.2	-	-	-	-	-	
175	Carpentering and flooring	33.6	31.9	34.3	34.7	-	-	-	-	-	
176	Roofing and sheet metal work	32.1	26.1	31.7	31.5	-	-	-	-	-	
-	MANUFACTURING	38.9	37.1	39.7	39.2	38.7	2.3	2.2	2.5	2.2	2.3
24, 25, 32-39	DURABLE GOODS	39.3	37.7	40.1	39.7	39.2	2.2	2.1	2.4	2.1	2.3
20-23, 26-31	NONDURABLE GOODS	38.4	36.2	39.1	38.6	38.1	2.5	2.4	2.6	2.4	2.4
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	38.0	33.7	38.9	39.1	38.5	2.3	1.7	2.6	2.5	-
241	Logging camps and logging contractors	37.5	29.5	37.2	40.0	-	2.9	2.1	2.9	3.2	-
242	Sawmills and planing mills	38.2	34.1	39.1	39.7	-	2.8	2.1	3.1	3.1	-
2421	Sawmills and planing mills, general	38.3	34.4	39.1	40.1	-	3.0	2.3	3.1	3.4	-
2426	Hardwood dimension and flooring	38.1	32.6	40.5	38.5	-	2.0	1.2	2.9	2.1	-
243	Millwork, plywood, and structural members	38.2	35.1	39.6	39.2	-	2.0	1.3	2.5	2.2	-
2431	Millwork	38.8	36.7	39.4	39.2	-	1.5	.8	1.7	1.4	-
2434	Wood kitchen cabinets	37.2	34.3	38.9	38.4	-	1.4	.8	2.3	1.6	-
2435	Hardwood veneer and plywood	37.7	34.5	39.0	39.1	-	2.1	1.9	2.3	2.4	-
2436	Softwood veneer and plywood	38.7	34.6	41.1	39.9	-	2.9	2.1	3.7	3.6	-
244	Wood containers	37.7	33.0	37.5	37.1	-	1.8	1.5	1.7	1.3	-
245	Wood buildings and mobile homes	36.6	29.5	37.7	36.6	-	1.4	.4	1.7	1.3	-
2451	Mobile homes	36.9	29.9	37.8	36.8	-	1.5	.4	1.7	1.3	-
249	Miscellaneous wood products	38.8	36.0	39.6	39.0	-	2.1	1.8	2.0	1.9	-
25	FURNITURE AND FIXTURES	37.3	32.5	38.7	37.6	37.3	1.5	1.2	1.9	1.6	-
251	Household furniture	36.4	30.1	38.0	37.2	-	1.2	.8	1.6	1.4	-
2511	Wood household furniture	36.1	29.3	37.6	37.2	-	1.3	.9	1.7	1.7	-
2512	Upholstered household furniture	35.6	28.5	38.1	36.5	-	.8	.5	1.3	.6	-
2514	Metal household furniture	38.9	34.3	40.3	39.0	-	1.9	1.0	1.9	1.7	-
2515	Mattresses and bedsprings	36.5	31.7	36.9	37.1	-	1.3	.7	1.4	1.5	-
252	Office furniture	38.5	38.0	39.4	38.1	-	2.0	2.6	2.3	2.0	-
253	Public building and related furniture	39.8	37.5	41.8	40.1	-	2.5	2.2	3.3	2.7	-
254	Partitions and fixtures	38.6	36.0	39.3	38.1	-	2.2	1.7	2.5	1.9	-
259	Miscellaneous furniture and fixtures	39.4	37.4	41.6	39.6	-	1.8	1.4	2.5	1.3	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	\$355.69	\$325.38	\$366.83	\$354.11	\$355.29	\$8.87	\$8.70	\$9.08	\$9.08	\$9.11
321	Flat glass	494.29	469.42	503.76	501.76	-	11.63	11.15	11.77	11.89	-
322	Glass and glassware, pressed or blown	377.60	355.55	391.48	390.98	-	9.44	9.14	9.69	9.75	-
3221	Glass containers	393.10	373.35	409.82	406.63	-	9.83	9.50	10.02	10.09	-
3229	Pressed and blown glass, nec	347.41	332.16	361.43	366.43	-	8.84	8.65	9.15	9.23	-
323	Products of purchased glass	323.18	297.28	345.06	339.01	-	8.12	7.97	8.52	8.35	-
324	Cement, hydraulic	511.70	500.14	514.86	503.26	-	12.42	12.11	12.65	12.55	-
325	Structural clay products	282.74	270.00	285.73	291.20	-	7.14	7.20	7.09	7.19	-
326	Pottery and related products	283.36	263.49	304.10	292.97	-	7.36	7.16	7.66	7.73	-
327	Concrete, gypsum, and plaster products	352.00	296.84	357.21	355.92	-	8.67	8.53	8.82	8.81	-
3271	Concrete block and brick	325.62	271.26	340.09	330.68	-	7.79	7.84	8.04	7.93	-
3272	Concrete products, nec	317.38	275.54	321.73	319.35	-	7.76	7.85	7.79	7.77	-
3273	Ready-mixed concrete	380.16	312.13	375.72	378.67	-	9.60	9.43	9.81	9.81	-
329	Misc. nonmetallic mineral products	343.65	326.48	364.31	361.98	-	8.70	8.48	9.04	8.96	-
3291	Abrasive products	323.29	315.09	337.26	341.33	-	8.53	8.27	8.76	8.82	-
3292	Asbestos products	344.18	313.65	359.39	377.52	-	8.78	8.50	9.03	9.01	-
33	PRIMARY METAL INDUSTRIES	437.34	431.23	450.41	452.39	449.67	11.33	11.23	11.49	11.57	11.53
331	Blast furnace and basic steel products	506.34	506.82	521.36	518.24	-	13.36	13.13	13.72	13.71	-
3312	Blast furnaces and steel mills	525.29	526.12	542.88	536.75	-	13.96	13.63	14.40	14.39	-
3317	Steel pipe and tubes	410.61	417.98	414.46	431.66	-	10.61	10.69	10.60	10.58	-
332	Iron and steel foundries	354.72	337.17	368.06	379.05	-	9.51	9.34	9.61	9.82	-
3321	Gray iron foundries	359.95	335.35	375.78	397.61	-	9.65	9.50	9.71	9.99	-
3322	Malleable iron foundries	374.34	353.07	381.00	388.85	-	10.20	9.89	10.16	10.26	-
3325	Steel foundries, nec	342.98	343.52	350.55	360.99	-	9.22	9.04	9.50	9.55	-
333	Primary nonferrous metals	522.45	515.26	528.21	540.90	-	12.90	12.66	13.01	13.29	-
3334	Primary aluminum	555.26	538.68	548.65	565.78	-	13.71	13.40	13.82	14.18	-
335	Nonferrous rolling and drawing	410.25	389.47	429.11	432.64	-	10.18	9.86	10.39	10.40	-
3351	Copper rolling and drawing	353.63	335.48	364.97	375.20	-	8.84	8.58	8.88	8.87	-
3353	Aluminum sheet, plate, and foil	553.21	517.30	569.80	574.75	-	13.46	12.71	13.73	13.75	-
3357	Nonferrous wire drawing and insulating	376.27	363.89	397.31	399.10	-	9.35	9.12	9.64	9.64	-
336	Nonferrous foundries	331.18	312.16	346.06	345.79	-	8.47	8.28	8.63	8.71	-
3361	Aluminum foundries	339.47	317.90	354.56	355.60	-	8.66	8.50	8.82	8.89	-
34	FABRICATED METAL PRODUCTS	344.18	323.19	359.70	355.11	352.43	8.78	8.55	8.97	8.99	9.06
341	Metal cans and shipping containers	500.02	476.99	501.76	501.06	-	11.71	11.33	11.89	11.93	-
3411	Metal cans	521.59	499.38	526.01	518.72	-	12.13	11.75	12.29	12.38	-
342	Cutlery, hand tools, and hardware	321.15	300.20	337.85	339.55	-	8.32	8.07	8.51	8.64	-
3423, 5	Hand and edge tools, and hand saws and blades	299.47	281.82	317.98	315.87	-	7.86	7.70	8.05	8.12	-
3429	Hardware, nec	337.56	314.53	351.35	352.24	-	8.70	8.41	8.85	8.94	-
343	Plumbing and heating, except electric	303.01	279.26	318.40	339.54	-	7.85	7.63	7.96	8.04	-
3432	Plumbing fittings and brass goods	289.54	262.07	304.17	297.20	-	7.54	7.30	7.72	7.78	-
3433	Heating equipment, except electric	307.32	289.16	324.41	307.58	-	7.88	7.67	8.01	8.01	-
344	Fabricated structural metal products	336.26	313.97	354.16	343.00	-	8.60	8.44	8.81	8.75	-
3441	Fabricated structural metal	354.92	324.12	367.03	358.27	-	8.94	8.76	9.13	9.07	-
3442	Metal doors, sash, and trim	261.71	243.15	274.62	261.67	-	6.78	6.83	6.90	6.85	-
3443	Fabricated plate work (boiler shops)	383.15	355.20	411.00	399.78	-	9.60	9.25	10.00	9.92	-
3444	Sheet metal work	333.91	320.14	354.32	350.84	-	8.78	8.56	8.97	8.95	-
3446	Architectural metal work	329.57	301.84	362.30	350.14	-	8.26	7.84	8.73	8.71	-
345	Screw machine products, bolts, etc.	314.24	307.62	321.26	324.82	-	8.12	7.99	8.28	8.35	-
3451	Screw machine products	292.55	287.47	295.29	300.70	-	7.54	7.39	7.73	7.77	-
3452	Bolts, nuts, rivets, and washers	335.92	326.14	345.84	346.32	-	9.68	8.56	8.80	8.88	-
346	Metal forgings and stampings	331.64	358.88	412.08	412.67	-	9.94	9.57	10.10	10.24	-
3462	Iron and steel forgings	416.80	402.62	437.10	438.80	-	10.77	10.35	11.01	10.97	-
3465	Automotive stampings	470.26	417.31	503.96	509.58	-	11.64	11.34	11.83	11.99	-
3469	Metal stampings, nec	303.43	285.35	314.81	304.42	-	7.86	7.65	7.99	7.99	-
347	Metal services, nec	271.50	259.44	282.35	274.77	-	7.00	6.90	7.13	7.10	-
3471	Plating and polishing	268.11	259.99	279.79	274.40	-	6.91	6.86	7.03	7.00	-
3479	Metal coating and allied services	279.64	257.56	288.17	275.26	-	7.20	6.98	7.37	7.36	-
348	Ordnance and accessories, nec	362.91	347.60	383.93	382.70	-	9.05	8.80	9.41	9.38	-
3483	Ammunition, exc. for small arms, nec	332.40	301.50	371.47	354.11	-	8.31	8.04	8.72	8.69	-
349	Misc. fabricated metal products	318.78	309.26	337.00	327.54	-	8.28	8.16	8.51	8.42	-
3494	Valves and pipe fittings	337.92	329.38	353.07	342.14	-	8.80	8.60	9.03	8.99	-
3496	Misc. fabricated wire products	277.15	265.17	294.62	292.74	-	7.18	7.09	7.44	7.43	-
35	MACHINERY, EXCEPT ELECTRICAL	367.49	360.25	380.16	371.84	359.03	9.28	9.19	9.41	9.39	9.39
351	Engines and turbines	445.35	436.15	462.87	449.68	-	11.39	11.27	11.63	11.56	-
3511	Turbines and turbine generator sets	432.68	411.20	462.79	424.84	-	10.79	10.41	11.26	11.18	-
3519	Internal combustion engines, nec	452.79	446.59	463.73	463.34	-	11.70	11.63	11.86	11.76	-
352	Farm and garden machinery	397.65	367.54	399.06	397.77	-	10.17	9.88	10.18	10.07	-
3523	Farm machinery and equipment	419.37	389.44	420.98	422.97	-	10.70	10.33	10.85	10.79	-
353	Construction and related machinery	402.95	402.40	411.08	391.22	-	10.15	10.01	10.15	9.98	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	STONE, CLAY, AND GLASS PRODUCTS										
32	STONE, CLAY, AND GLASS PRODUCTS	40.1	37.4	40.4	40.1	39.0	3.5	2.8	3.2	3.2	-
321	Flat glass	42.5	42.1	42.8	42.2	-	3.9	3.9	3.7	3.6	-
322	Glass and glassware, pressed or blown	40.0	38.9	40.4	40.1	-	4.0	3.8	3.7	3.7	-
3221	Glass containers	40.6	39.3	40.9	40.3	-	4.8	4.5	4.5	4.3	-
3229	Pressed and blown glass, nec	39.3	38.4	39.5	39.7	-	2.8	2.9	2.4	2.7	-
323	Products of purchased glass	39.8	37.3	40.5	40.6	-	2.7	2.4	2.5	2.4	-
324	Cement, hydraulic	41.2	41.3	40.7	40.1	-	2.5	2.8	2.2	1.8	-
325	Structural clay products	39.6	37.5	40.3	40.5	-	2.5	2.5	2.6	2.8	-
326	Pottery and related products	38.5	36.8	39.7	37.9	-	1.7	1.6	1.7	1.6	-
327	Concrete, gypsum, and plaster products	40.6	34.8	40.5	40.4	-	4.7	2.8	4.2	4.3	-
3271	Concrete block and brick	41.8	34.6	42.3	41.7	-	4.7	2.1	4.5	4.1	-
3272	Concrete products, nec	40.9	35.1	41.3	41.1	-	4.2	3.0	3.6	3.8	-
3273	Ready-mixed concrete	39.6	33.1	38.3	38.6	-	4.9	2.4	4.0	4.2	-
329	Misc. nonmetallic mineral products	39.5	38.5	40.3	40.4	-	2.4	2.3	2.4	2.3	-
3291	Abrasive products	37.9	38.1	38.5	38.7	-	1.4	1.6	1.6	1.7	-
3292	Asbestos products	39.2	36.9	39.8	41.9	-	2.2	1.5	3.1	2.0	-
	PRIMARY METAL INDUSTRIES										
33	PRIMARY METAL INDUSTRIES	38.6	38.4	39.2	39.1	39.3	2.0	2.3	2.0	2.0	-
331	Blast furnace and basic steel products	37.9	38.6	38.0	37.8	-	1.5	2.1	1.3	1.3	-
3312	Blast furnaces and steel mills	37.7	38.6	37.7	37.3	-	1.5	2.2	1.2	1.2	-
3317	Steel pipe and tubes	38.7	39.1	39.1	40.8	-	2.0	2.1	2.1	2.1	-
332	Iron and steel foundries	37.3	36.1	38.3	38.6	-	1.8	2.1	1.6	1.8	-
3321	Gray iron foundries	37.3	35.3	38.7	38.8	-	2.0	2.1	1.6	2.1	-
3322	Malleable iron foundries	36.7	35.7	37.5	37.9	-	1.6	1.5	1.5	1.5	-
3325	Steel foundries, nec	37.2	38.0	36.9	37.8	-	1.5	2.4	1.3	1.2	-
333	Primary nonferrous metals	40.5	40.7	40.6	40.7	-	2.7	2.6	2.7	2.5	-
3334	Primary aluminum	40.5	40.2	39.7	39.9	-	3.2	2.9	2.9	2.7	-
335	Nonferrous rolling and drawing	40.3	39.5	41.3	41.6	-	3.0	2.8	2.9	3.2	-
3351	Copper rolling and drawing	40.0	39.1	41.1	42.3	-	2.5	2.6	2.1	2.3	-
3353	Aluminum sheet, plate and foil	41.1	40.7	41.5	41.8	-	4.5	3.2	4.3	4.3	-
3357	Nonferrous wire drawing and insulating	40.2	39.9	41.3	41.4	-	2.8	3.3	2.6	2.8	-
336	Nonferrous foundries	39.1	37.7	40.1	39.7	-	2.0	1.9	2.5	2.5	-
3361	Aluminum foundries	39.2	37.4	40.2	40.0	-	2.0	2.1	2.5	2.5	-
	FABRICATED METAL PRODUCTS										
34	FABRICATED METAL PRODUCTS	39.2	37.8	40.1	39.5	38.9	2.0	2.0	2.2	2.0	-
341	Metal cans and shipping containers	42.7	42.1	42.2	42.0	-	4.1	4.2	3.9	4.3	-
3411	Metal cans	43.0	42.5	42.8	41.9	-	4.2	4.3	4.1	4.3	-
342	Cutlery, hand tools, and hardware	38.6	37.2	39.7	39.3	-	1.4	1.4	1.5	1.5	-
3423, 5	Hand and edge tools, and hand saws and blades	38.1	36.6	39.5	38.9	-	1.2	1.5	1.3	1.2	-
3429	Hardware, nec	38.8	37.4	39.7	39.4	-	1.4	1.2	1.6	1.8	-
343	Plumbing and heating, except electric	38.6	36.6	40.0	38.5	-	1.3	1.2	1.6	1.3	-
3432	Plumbing fittings and brass goods	38.4	35.9	39.4	38.2	-	1.2	1.0	1.4	1.4	-
3433	Heating equipment, except electric	39.0	37.7	40.5	38.4	-	1.4	1.4	1.8	1.1	-
344	Fabricated structural metal products	39.1	37.2	40.2	39.2	-	2.1	2.0	2.3	1.9	-
3441	Fabricated structural metal	39.7	37.0	40.2	39.5	-	2.5	2.2	2.5	2.2	-
3442	Metal doors, sash, and trim	38.6	35.6	39.8	38.2	-	1.9	1.4	2.1	1.5	-
3443	Fabricated plate work (boiler shops)	39.6	38.4	41.1	40.3	-	2.3	2.5	2.9	2.3	-
3444	Sheet metal work	38.6	37.4	39.5	39.2	-	1.9	1.8	2.0	1.7	-
3446	Architectural metal work	39.9	38.5	41.5	40.2	-	2.1	2.3	3.1	2.7	-
345	Screw machine products, bolts, etc.	38.7	38.5	38.8	38.9	-	1.6	1.7	1.5	1.6	-
3451	Screw machine products	38.8	38.9	39.2	38.7	-	1.7	2.3	1.5	1.6	-
3452	Bolts, nuts, rivets, and washers	38.7	38.1	39.3	39.0	-	1.4	1.2	1.5	1.6	-
346	Metal forgings and stampings	39.4	37.5	40.8	40.3	-	2.2	1.7	2.5	2.5	-
3462	Iron and steel forgings	38.7	38.9	39.7	40.0	-	1.9	2.5	2.0	2.1	-
3465	Automotive stampings	40.4	36.8	42.6	42.5	-	2.7	1.2	3.3	3.6	-
3469	Metal stampings, nec	38.6	37.3	39.4	38.1	-	1.8	1.8	2.0	1.7	-
347	Metal services, nec	38.8	37.6	39.6	38.7	-	2.3	2.0	2.6	2.2	-
3471	Plating and polishing	38.8	37.9	39.8	39.2	-	2.2	2.1	2.6	2.3	-
3479	Metal coating and allied services	38.7	36.9	39.1	37.4	-	2.3	1.6	2.5	1.9	-
348	Ordnance and accessories, nec	40.1	39.5	40.8	40.8	-	2.3	2.8	2.3	2.1	-
3483	Ammunition, exc. for small arms, nec	40.0	37.5	42.6	41.9	-	1.8	2.3	1.7	2.0	-
349	Misc. fabricated metal products	38.5	37.9	39.6	38.9	-	1.7	2.1	1.8	1.2	-
3494	Valves and pipe fittings	38.4	38.3	39.1	38.1	-	1.6	2.4	1.8	1.0	-
3496	Misc. fabricated wire products	38.6	37.4	39.6	39.4	-	1.5	1.6	1.5	1.3	-
	MACHINERY, EXCEPT ELECTRICAL										
35	MACHINERY, EXCEPT ELECTRICAL	39.6	39.2	40.4	39.6	39.3	2.2	2.6	2.4	2.0	-
351	Engines and turbines	39.1	38.7	39.8	38.9	-	1.6	1.7	2.1	1.5	-
3511	Turbines and turbine generator sets	40.1	39.5	41.1	38.0	-	2.9	2.3	3.5	2.1	-
3519	Internal combustion engines, nec	38.7	38.4	39.1	39.4	-	1.0	1.5	1.3	1.2	-
352	Farm and garden machinery	39.1	37.2	39.2	39.5	-	1.9	1.9	1.3	1.9	-
3523	Farm machinery and equipment	39.1	37.7	38.8	39.2	-	1.9	1.8	1.2	1.7	-
353	Construction and related machinery	39.7	40.2	40.5	39.2	-	2.2	3.3	2.4	1.6	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$430.11	\$423.34	\$424.85	\$410.50	-	\$11.23	\$11.17	\$10.49	\$10.34	-
3532	Mining machinery	402.23	397.77	424.83	405.96	-	10.34	10.07	10.81	10.49	-
3533	Oil field machinery	419.58	430.51	443.31	410.90	-	9.99	9.74	10.53	10.35	-
3535	Conveyers and conveying equipment	341.43	334.66	344.66	330.60	-	8.71	8.67	8.77	8.70	-
3537	Industrial trucks and tractors	328.85	317.16	348.08	345.42	-	8.84	8.81	9.16	9.09	-
354	Metalworking machinery	377.94	375.86	390.83	385.26	-	9.52	9.42	9.65	9.68	-
3541	Machine tools, metal cutting types	380.83	394.79	385.61	377.48	-	9.79	9.70	9.99	9.96	-
3542	Machine tools, metal forming types	378.85	369.51	403.17	387.98	-	9.97	9.88	10.13	10.13	-
3544	Special dies, tools, jigs, and fixtures	410.64	405.49	427.01	422.28	-	10.04	9.89	10.24	10.35	-
3545	Machine tool accessories	332.06	331.96	339.78	338.13	-	8.67	8.60	8.69	8.67	-
3546	Power driven hand tools	302.18	291.61	305.72	302.65	-	7.65	7.86	7.53	7.51	-
355	Special industry machinery	354.42	336.00	373.30	359.33	-	8.95	8.75	9.24	9.19	-
3551	Food products machinery	368.81	349.30	389.30	359.76	-	9.29	9.12	9.66	9.53	-
3552	Textile machinery	263.00	224.16	283.53	272.98	-	7.09	6.94	7.27	7.26	-
3555	Printing trades machinery	372.80	364.29	390.46	376.16	-	9.32	9.13	9.57	9.67	-
356	General industrial machinery	360.89	356.85	377.34	369.66	-	9.23	9.15	9.41	9.43	-
3561	Pumps and pumping equipment	363.42	361.46	388.88	385.53	-	9.52	9.34	9.87	9.86	-
3562	Ball and roller bearings	355.02	344.27	373.75	369.41	-	8.92	8.76	8.92	9.01	-
3563	Air and gas compressors	400.79	396.98	411.46	420.95	-	10.07	10.05	10.21	10.55	-
3564	Blowers and fans	343.66	332.43	358.75	342.61	-	8.57	8.59	8.75	8.74	-
3566	Speed changers, drives, and gears	365.63	384.35	366.98	348.61	-	9.75	9.78	9.76	9.63	-
3568	Power transmission equipment, nec	338.20	343.30	349.48	340.22	-	8.90	8.78	9.27	9.22	-
357	Office and computing machines	326.75	315.90	342.79	338.65	-	7.95	7.80	8.26	8.28	-
3573	Electronic computing equipment	326.65	317.34	343.60	337.43	-	7.89	7.74	8.22	8.23	-
358	Refrigeration and service machinery	337.26	313.60	357.41	351.83	-	8.56	8.43	8.76	8.84	-
3585	Refrigeration and heating equipment	347.51	318.19	371.96	362.98	-	8.82	8.67	9.05	9.12	-
359	Misc. machinery, except electrical	350.73	338.03	363.13	362.99	-	8.97	8.78	9.24	9.26	-
3592	Carburetors, pistons, rings, valves	402.21	375.34	403.25	402.62	-	10.42	10.34	10.42	10.35	-
3599	Machinery, except electrical, nec	343.39	332.52	357.36	356.33	-	8.76	8.57	9.07	9.09	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	321.38	304.04	339.69	335.41	\$334.38	8.17	7.98	8.45	8.47	\$8.53
361	Electric distributing equipment	311.54	293.09	338.12	323.36	-	8.05	7.90	8.39	8.27	-
3612	Transformers	308.48	284.87	333.28	313.50	-	7.93	7.72	8.27	8.08	-
3613	Switchgear and switchboard apparatus	313.78	299.46	340.90	330.91	-	8.15	8.05	8.48	8.42	-
362	Electrical industrial apparatus	320.38	314.20	337.00	332.28	-	8.30	8.14	8.51	8.52	-
3621	Motors and generators	325.80	317.04	338.85	341.60	-	8.29	8.15	8.45	8.54	-
3622	Industrial controls	305.10	299.49	333.43	314.33	-	8.05	7.84	8.42	8.25	-
363	Household appliances	306.32	281.78	326.67	327.54	-	8.04	7.96	8.27	8.42	-
3632	Household refrigerators and freezers	360.63	329.80	382.14	377.28	-	9.32	9.29	9.65	9.60	-
3633	Household laundry equipment	363.43	316.18	397.37	393.00	-	9.64	9.41	10.06	10.00	-
3634	Electric housewares and fans	240.15	219.18	259.62	254.37	-	6.37	6.39	6.64	6.59	-
364	Electric lighting and wiring equipment	301.07	286.48	314.38	317.18	-	7.70	7.48	7.84	7.89	-
3641	Electric lamps	346.73	340.90	360.12	380.28	-	8.69	8.48	9.14	9.23	-
3643	Current-carrying wiring devices	281.19	273.74	294.06	301.10	-	7.21	7.11	7.37	7.38	-
3644	Noncurrent-carrying wiring devices	298.72	283.10	326.82	319.93	-	7.82	7.45	8.15	8.12	-
3645	Residential lighting fixtures	232.10	212.53	247.23	239.40	-	6.06	5.92	6.15	6.17	-
365	Radio and TV receiving equipment	297.20	280.13	301.47	307.68	-	7.64	7.47	7.81	7.93	-
3651	Radio and TV receiving sets	302.62	286.34	316.79	318.27	-	7.84	7.76	8.02	8.31	-
366	Communication equipment	385.12	360.11	412.41	404.00	-	9.58	9.21	10.01	10.00	-
3661	Telephone and telegraph apparatus	389.47	354.52	418.54	411.46	-	9.86	9.53	10.36	10.21	-
3662	Radio and TV communication equipment	381.92	363.41	409.34	399.56	-	9.43	9.04	9.84	9.89	-
367	Electronic components and accessories	282.10	269.12	301.04	297.00	-	7.16	6.99	7.47	7.50	-
3671-3	Electronic tubes	364.41	343.73	392.29	384.74	-	9.02	8.68	9.43	9.43	-
3674	Semiconductors and related devices	321.55	313.21	340.25	331.30	-	8.12	7.99	8.36	8.43	-
3679	Electronic components, nec	265.59	252.71	283.79	280.40	-	6.69	6.53	6.99	7.01	-
368	Misc. electrical equipment and supplies	340.34	326.99	351.20	347.51	-	8.66	8.79	8.78	8.82	-
3691	Storage batteries	361.14	340.61	384.34	365.94	-	9.26	8.94	9.73	9.63	-
3694	Engine electrical equipment	347.90	344.96	346.72	348.38	-	9.06	9.69	8.80	8.91	-
37	TRANSPORTATION EQUIPMENT	450.36	414.34	474.76	467.81	468.45	11.12	10.79	11.44	11.41	11.51
371	Motor vehicles and equipment	469.80	428.24	483.97	486.45	-	11.60	11.24	11.69	11.75	-
3711	Motor vehicles and car bodies	526.91	489.06	533.48	539.79	-	13.01	12.67	12.98	13.07	-
3713	Truck and bus bodies	360.19	366.03	343.38	341.99	-	9.05	9.29	8.85	8.68	-
3714	Motor vehicle parts and accessories	444.57	399.92	463.41	466.49	-	10.95	10.58	11.06	11.16	-
3715	Truck trailers	304.87	272.10	347.36	320.97	-	7.96	7.73	8.37	8.23	-
372	Aircraft and parts	462.38	440.88	498.38	476.49	-	11.25	10.94	11.81	11.65	-
3721	Aircraft	484.67	458.80	521.25	506.33	-	11.85	11.47	12.50	12.41	-
3724	Aircraft engines and engine parts	454.21	436.11	484.88	455.47	-	11.16	10.93	11.60	11.33	-
3728	Aircraft equipment, nec	430.92	411.10	469.57	445.62	-	10.26	9.93	10.77	10.61	-
373	Ship and boat building and repairing	387.47	337.01	421.87	413.09	-	9.76	9.52	10.19	10.10	-
3731	Shipbuilding and repairing	407.15	350.35	447.26	440.08	-	10.23	10.01	10.70	10.63	-
3732	Boat building and repairing	303.81	283.39	314.82	303.80	-	7.81	7.68	7.93	7.85	-
374	Railroad equipment	430.54	413.28	453.57	-	-	11.36	11.08	11.66	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	38.3	37.9	40.5	39.7	-	1.1	1.3	1.9	1.5	-
3532	Mining machinery	38.9	39.5	39.3	38.7	-	1.4	2.1	1.9	1.1	-
3533	Oil field machinery	42.0	44.2	42.1	39.7	-	3.5	6.1	3.3	2.1	-
3535	Conveyers and conveying equipment	39.2	38.6	39.3	38.0	-	2.0	2.8	1.7	1.0	-
3537	Industrial trucks and tractors	37.2	36.0	38.0	38.0	-	1.4	1.8	1.7	1.1	-
354	Metalworking machinery	39.7	39.9	40.5	39.8	-	2.7	3.3	2.9	2.7	-
3541	Machine tools, metal cutting types	38.9	40.7	38.6	37.9	-	2.1	3.4	1.8	1.4	-
3542	Machine tools, metal forming types	38.0	37.4	39.8	38.3	-	1.5	2.2	1.9	1.7	-
3544	Special dies, tools, jigs, and fixtures	40.9	41.0	41.7	40.8	-	3.8	4.3	4.0	3.9	-
3545	Machine tool accessories	38.3	38.6	39.1	39.0	-	1.4	2.0	1.5	1.4	-
3546	Power driven hand tools	39.5	37.1	40.6	40.3	-	1.9	1.9	2.2	2.2	-
355	Special industry machinery	39.6	38.4	40.4	39.1	-	2.2	2.3	2.3	1.9	-
3551	Food products machinery	39.7	38.3	40.3	38.8	-	2.2	2.1	2.3	1.7	-
3552	Textile machinery	37.8	32.3	39.0	37.6	-	1.2	1.1	1.7	1.5	-
3555	Printing trades machinery	40.3	39.9	40.8	38.9	-	2.6	2.9	2.8	2.4	-
356	General industrial machinery	39.1	39.0	40.1	39.2	-	1.8	2.4	2.1	1.5	-
3561	Pumps and pumping equipment	38.7	38.7	39.4	39.1	-	1.6	2.3	1.7	1.5	-
3562	Ball and roller bearings	39.8	39.3	41.9	41.0	-	2.1	2.6	3.1	2.0	-
3563	Air and gas compressors	39.8	39.5	40.3	39.9	-	2.6	3.1	2.9	1.7	-
3564	Blowers and fans	40.1	38.7	41.0	39.2	-	2.2	2.7	2.1	1.3	-
3566	Speed changers, drives, and gears	37.5	39.3	37.6	36.2	-	1.2	2.1	1.0	.6	-
3568	Power transmission equipment, nec	38.0	39.1	37.7	36.9	-	1.4	2.1	1.0	1.2	-
357	Office and computing machines	41.1	40.5	41.5	40.9	-	2.3	2.4	2.8	2.1	-
3573	Electronic computing equipment	41.4	41.0	41.8	41.0	-	2.5	2.7	3.1	2.3	-
358	Refrigeration and service machinery	39.4	37.2	40.8	39.8	-	1.8	1.4	2.2	1.5	-
3585	Refrigeration and heating equipment	39.4	36.7	41.1	39.8	-	1.7	1.3	2.2	1.4	-
359	Misc. machinery, except electrical	39.1	38.5	39.3	39.2	-	2.4	2.9	2.2	2.2	-
3592	Carburetors, pistons, rings, valves	38.6	36.3	38.7	38.9	-	1.5	.9	1.0	1.6	-
3599	Machinery, except electrical, nec	39.2	38.8	39.4	39.2	-	2.6	3.1	2.4	2.3	-
ELECTRIC AND ELECTRONIC EQUIPMENT											
36	Electric distributing equipment	39.3	38.1	40.2	39.6	39.2	1.8	1.7	2.2	1.8	-
361	Electric distributing equipment	38.7	37.1	40.3	39.1	-	1.8	2.1	2.3	1.6	-
3612	Transformers	38.9	36.9	40.3	38.8	-	2.0	2.4	2.3	1.3	-
3613	Switchgear and switchboard apparatus	38.5	37.2	40.2	39.3	-	1.6	1.9	2.2	1.8	-
362	Electrical industrial apparatus	38.6	38.6	39.6	39.0	-	1.6	1.7	1.8	1.3	-
3621	Motors and generators	39.3	38.9	40.1	40.0	-	1.7	1.8	2.0	1.6	-
3622	Industrial controls	37.9	38.2	39.6	39.1	-	1.3	1.6	1.5	.9	-
363	Household appliances	38.1	35.4	39.5	38.9	-	1.4	1.0	1.9	1.3	-
3632	Household refrigerators and freezers	38.7	35.5	39.6	39.3	-	1.2	.6	1.3	.8	-
3633	Household laundry equipment	37.7	33.6	39.5	39.3	-	.7	.6	1.4	1.2	-
3634	Electric housewares and fans	37.7	34.3	39.1	38.6	-	1.5	.8	2.3	1.4	-
364	Electric lighting and wiring equipment	39.1	38.3	40.1	40.2	-	1.7	1.7	2.1	2.0	-
3641	Electric lamps	39.9	40.2	39.4	41.2	-	1.6	2.0	2.1	2.5	-
3643	Current-carrying wiring devices	39.3	38.5	39.9	40.8	-	1.8	1.9	2.1	2.2	-
3644	Noncurrent-carrying wiring devices	38.2	38.0	40.1	39.4	-	1.3	1.7	1.6	1.4	-
3645	Residential lighting fixtures	38.3	35.9	40.2	38.8	-	1.4	1.0	2.1	1.4	-
365	Radio and TV receiving equipment	38.9	37.5	38.6	38.8	-	1.2	.7	1.2	1.6	-
3651	Radio and TV receiving sets	38.6	36.9	39.5	38.3	-	1.1	.8	1.3	1.6	-
366	Communication equipment	40.2	39.1	41.2	40.4	-	2.0	2.0	2.5	2.0	-
3661	Telephone and telegraph apparatus	39.5	37.2	40.4	40.3	-	1.7	1.6	2.1	1.8	-
3662	Radio and TV communication equipment	40.5	40.2	41.6	40.4	-	2.2	2.2	2.6	2.1	-
367	Electronic components and accessories	39.4	38.5	40.3	39.6	-	2.1	2.0	2.4	2.1	-
3671-3	Electronic tubes	40.4	39.6	41.6	40.8	-	1.9	1.8	2.2	1.7	-
3674	Semiconductors and related devices	39.6	39.2	40.7	39.3	-	2.4	2.4	2.7	2.6	-
3679	Electronic components, nec	39.7	38.7	40.6	40.0	-	2.1	2.0	2.6	2.1	-
369	Misc. electrical equipment and supplies	39.3	37.2	40.0	39.4	-	1.8	1.6	1.9	1.7	-
3691	Storage batteries	39.3	38.1	39.5	38.0	-	1.9	2.2	2.2	1.7	-
3694	Engine electrical equipment	38.4	35.6	39.4	39.1	-	1.5	1.0	1.7	1.5	-
TRANSPORTATION EQUIPMENT											
37	Motor vehicles and equipment	40.5	38.4	41.5	41.0	40.7	2.7	2.2	3.1	2.7	-
371	Motor vehicles and equipment	40.5	38.1	41.4	41.4	-	2.5	1.5	2.6	2.8	-
3711	Motor vehicles and car bodies	40.5	38.6	41.1	41.3	-	2.6	1.4	2.7	3.1	-
3713	Truck and bus bodies	39.8	39.4	38.8	39.4	-	1.6	2.7	1.2	1.4	-
3714	Motor vehicle parts and accessories	40.6	37.8	41.9	41.8	-	2.7	1.5	2.6	2.7	-
3715	Truck trailers	38.3	35.2	41.5	39.0	-	1.2	.7	3.2	1.0	-
372	Aircraft and parts	41.1	40.3	42.2	40.9	-	3.2	3.2	3.9	2.5	-
3721	Aircraft	40.9	40.0	41.7	40.8	-	2.7	3.1	3.1	2.2	-
3724	Aircraft engines and engine parts	40.7	39.9	41.8	40.2	-	3.6	3.2	4.5	2.6	-
3728	Aircraft equipment, nec	42.3	41.4	43.6	42.0	-	3.7	3.6	4.6	3.1	-
373	Ship and boat building and repairing	39.7	35.4	41.4	40.9	-	2.6	2.0	3.3	2.7	-
3731	Ship building and repairing	39.8	35.0	41.8	41.4	-	2.8	2.1	3.7	3.1	-
3732	Boat building and repairing	38.9	36.9	39.7	38.7	-	1.8	1.8	1.6	1.2	-
374	Railroad equipment	37.9	37.3	38.9	-	-	1.4	1.3	1.9	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$447.17	\$427.18	\$489.34	\$472.99	-	\$10.96	\$10.60	\$11.46	\$11.37	-
3761	Guided missiles and space vehicles	460.73	439.15	509.82	485.39	-	11.21	10.87	11.72	11.64	-
379	Miscellaneous transportation equipment	359.50	334.93	379.39	376.65	-	9.01	8.61	9.88	9.86	-
3792	Travel trailers and campers	292.98	268.53	305.10	320.64	-	7.71	7.48	8.05	8.35	-
38	INSTRUMENTS AND RELATED PRODUCTS	323.75	306.10	349.86	351.75	\$346.02	8.26	7.93	8.66	8.75	\$8.76
381	Engineering and scientific instruments	341.33	325.05	365.03	363.44	-	8.45	8.25	8.86	8.80	-
382	Measuring and controlling devices	334.17	295.29	366.68	374.53	-	8.46	7.71	9.19	9.34	-
3822	Environmental controls	295.68	277.88	319.20	313.62	-	7.68	7.43	7.98	7.96	-
3823	Process control instruments	330.07	311.66	351.53	332.37	-	8.17	7.89	8.43	8.33	-
3825	Instruments to measure electricity	368.28	300.58	410.11	448.95	-	9.30	7.91	10.68	10.95	-
383	Optical instruments and lenses	346.32	337.00	370.77	375.23	-	8.53	8.28	8.87	9.02	-
384	Medical instruments and supplies	274.01	257.05	290.79	287.03	-	5.99	6.91	7.18	7.23	-
3841	Surgical and medical instruments	278.78	267.33	291.10	293.63	-	7.04	6.98	7.17	7.25	-
3842	Surgical appliances and supplies	271.83	246.30	294.17	283.42	-	6.97	6.88	7.21	7.23	-
385	Ophthalmic goods	236.16	229.49	242.50	244.92	-	6.04	5.93	6.25	6.28	-
386	Photographic equipment and supplies	435.42	432.48	442.54	441.45	-	10.62	10.60	10.82	10.90	-
387	Watches, clocks, and watchcases	237.46	212.71	245.78	244.11	-	6.12	6.06	6.16	6.18	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	247.17	229.48	259.74	259.78	251.33	6.42	6.27	6.66	6.73	6.72
391	Jewelry, silverware, and plated ware	260.68	238.98	276.05	264.12	-	6.86	6.62	7.06	7.10	-
3911	Jewelry, precious metal	257.74	238.83	272.38	260.20	-	6.91	6.69	7.02	7.09	-
393	Musical instruments	244.61	211.90	264.40	268.37	-	6.37	6.16	6.61	6.61	-
394	Toys and sporting goods	232.97	218.15	241.64	249.46	-	6.02	5.88	6.26	6.38	-
3942, 4	Dolls, games, toys, and children's vehicles	217.54	204.79	214.23	233.14	-	5.68	5.52	5.79	6.04	-
3949	Sporting and athletic goods, nec	247.11	228.17	260.83	260.43	-	6.32	6.15	6.57	6.61	-
396	Pens, pencils, office and art supplies	264.67	251.68	277.85	270.78	-	6.65	6.47	6.81	6.89	-
396	Costume jewelry and notions	206.93	194.04	210.92	214.88	-	5.46	5.42	5.67	5.73	-
3961	Costume jewelry	194.18	181.36	191.88	192.95	-	5.11	5.01	5.33	5.42	-
399	Miscellaneous manufactures	261.97	244.19	277.46	277.75	-	6.84	6.69	7.06	7.14	-
3993	Signs and advertising displays	285.31	261.00	305.63	299.92	-	7.43	7.23	7.66	7.79	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	311.66	302.63	319.98	313.53	311.04	7.89	7.82	8.06	8.06	8.10
201	Meat products	295.62	301.47	294.42	291.36	-	7.58	7.81	7.53	7.49	-
2011	Meat packing plants	370.87	389.23	366.54	364.32	-	8.98	9.18	8.79	8.80	-
2013	Sausages and other prepared meats	355.18	356.45	358.78	352.13	-	9.04	9.07	9.06	8.96	-
2016	Poultry dressing plants	186.22	171.87	189.53	188.24	-	5.13	5.10	5.25	5.20	-
202	Dairy products	332.10	317.97	339.46	335.30	-	8.10	7.89	8.32	8.32	-
2022	Cheese, natural and processed	302.20	284.93	305.76	306.12	-	7.67	7.42	7.84	7.91	-
2026	Fluid milk	348.61	340.70	359.04	350.96	-	8.38	8.19	8.61	8.56	-
203	Preserved fruits and vegetables	270.36	263.25	279.24	280.58	-	6.95	6.82	7.16	7.25	-
2032	Canned specialties	334.93	312.71	362.90	327.37	-	8.09	7.59	8.42	8.33	-
2033	Canned fruits and vegetables	269.66	257.97	281.39	292.79	-	6.95	7.01	7.16	7.45	-
2037	Frozen fruits and vegetables	255.32	252.68	263.74	265.28	-	6.53	6.27	6.66	6.75	-
204	Grain mill products	383.35	367.98	405.36	389.67	-	9.02	8.72	9.34	9.30	-
2041	Flour and other grain mill products	400.47	382.75	419.78	430.03	-	9.04	8.64	9.37	9.26	-
2048	Prepared feeds, nec	304.59	293.70	327.80	326.25	-	7.15	7.06	7.45	7.50	-
205	Bakery products	317.98	297.30	330.43	318.20	-	8.39	8.19	8.65	8.60	-
2051	Bread, cake, and related products	317.63	304.06	324.63	314.72	-	8.47	8.24	8.68	8.67	-
2052	Cookies and crackers	316.22	279.34	344.97	325.40	-	8.15	8.05	8.56	8.43	-
206	Sugar and confectionery products	309.97	293.38	317.02	311.26	-	7.73	7.39	7.77	7.88	-
2061-3	Cane and beet sugar	373.85	357.73	406.22	393.93	-	8.88	8.30	8.85	9.14	-
2065	Confectionery products	262.48	244.22	253.55	252.59	-	6.80	6.53	6.69	6.79	-
207	Fats and oils	352.51	339.47	375.48	359.52	-	8.16	7.95	8.40	8.40	-
208	Beverages	392.69	369.10	402.98	385.89	-	9.72	9.44	9.95	9.92	-
2082	Malt beverages	564.14	541.45	564.56	544.16	-	13.15	12.77	13.41	13.37	-
2086	Bottled and canned soft drinks	287.96	261.85	299.77	286.52	-	7.29	7.02	7.57	7.54	-
209	Misc. foods and kindred products	253.43	244.16	265.66	259.18	-	6.91	6.82	7.18	7.14	-
21	TOBACCO MANUFACTURES	363.68	332.48	364.98	361.24	384.87	9.78	9.21	9.63	9.87	10.43
211	Cigarettes	441.47	400.73	445.48	443.31	-	11.71	11.07	12.04	12.28	-
22	TEXTILE MILL PRODUCTS	218.63	179.71	236.38	236.51	235.68	5.83	5.76	6.03	6.08	6.09
221	Weaving mills, cotton	223.94	167.56	253.20	252.49	-	5.02	5.90	6.33	6.36	-
222	Weaving mills, synthetics	223.77	190.60	253.59	254.13	-	6.16	6.07	6.42	6.45	-
223	Weaving and finishing mills, wool	240.30	236.21	248.29	251.93	-	5.13	5.92	6.27	6.33	-
224	Narrow fabric mills	213.17	194.39	226.12	224.01	-	5.48	5.37	5.71	5.70	-
225	Knitting mills	197.64	162.64	204.97	210.75	-	5.40	5.35	5.51	5.62	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.8	40.3	42.7	41.6	-	3.1	3.0	3.7	2.8	-
3761	Guided missiles and space vehicles	41.1	40.4	43.5	41.7	-	3.1	2.6	4.1	3.1	-
379	Miscellaneous transportation equipment	39.9	38.9	38.4	38.2	-	3.2	3.1	3.9	3.2	-
3792	Travel trailers and campers	38.0	35.9	37.9	38.4	-	1.7	1.9	1.5	1.6	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	39.8	38.6	40.4	40.2	39.5	1.7	1.7	1.8	1.5	-
381	Engineering and scientific instruments	40.4	39.4	41.2	41.3	-	2.1	2.3	2.4	2.3	-
382	Measuring and controlling devices	39.5	38.3	39.9	40.1	-	1.2	1.5	1.3	1.3	-
3822	Environmental controls	38.5	37.4	40.0	39.4	-	1.0	1.3	1.6	1.8	-
3823	Process control instruments	40.4	39.5	41.7	39.9	-	1.5	1.8	1.4	1.0	-
3825	Instruments to measure electricity	39.6	38.0	38.4	41.0	-	1.0	1.3	1.0	1.2	-
383	Optical instruments and lenses	40.6	40.7	41.8	41.5	-	2.0	2.0	2.2	1.9	-
384	Medical instruments and supplies	39.2	37.2	40.5	39.7	-	1.9	1.8	2.4	1.6	-
3841	Surgical and medical instruments	39.6	38.3	40.6	40.5	-	2.2	2.0	2.4	1.8	-
3842	Surgical appliances and supplies	39.0	35.8	40.8	39.2	-	1.8	1.8	2.6	1.4	-
385	Ophthalmic goods	39.1	38.7	38.8	39.0	-	1.3	1.2	1.3	.8	-
386	Photographic equipment and supplies	41.0	40.8	40.9	40.5	-	2.1	2.3	1.6	1.3	-
387	Watches, clocks, and watchcases	38.8	35.1	39.9	39.5	-	1.7	.7	2.4	1.9	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.5	36.6	39.0	38.6	37.4	1.6	1.4	1.9	1.7	-
391	Jewelry, silverware, and plated ware	38.0	36.1	39.1	37.2	-	1.6	1.3	2.1	1.5	-
3911	Jewelry, precious metal	37.3	35.7	38.8	36.7	-	1.6	1.3	2.3	1.5	-
393	Musical instruments	38.4	34.4	40.0	40.6	-	1.0	.7	2.0	1.8	-
394	Toys and sporting goods	38.7	37.1	38.6	39.1	-	1.5	1.2	1.6	1.5	-
3942, 4	Dolls, games, toys, and children's vehicles	38.3	37.1	37.0	38.6	-	1.1	.9	1.0	1.3	-
3949	Sporting and athletic goods, nec	39.1	37.1	39.7	39.4	-	1.9	1.4	2.1	1.7	-
395	Pens, pencils, office and art supplies	39.8	38.9	40.8	39.3	-	1.7	1.9	1.9	1.3	-
396	Costume jewelry and notions	37.9	35.8	37.2	37.5	-	2.2	1.6	1.9	2.2	-
3961	Costume jewelry	38.0	36.2	36.0	35.6	-	2.9	1.6	2.2	2.9	-
399	Miscellaneous manufactures	38.3	36.5	39.3	38.9	-	1.7	1.4	1.9	1.7	-
3993	Signs and advertising displays	38.4	36.1	39.9	38.5	-	1.9	1.5	2.1	1.8	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.5	38.7	39.7	38.9	38.4	3.6	3.7	3.5	3.1	-
201	Meat products	39.0	38.6	39.1	38.9	-	3.4	4.4	3.4	3.0	-
2011	Meat packing plants	41.3	42.4	41.7	41.4	-	4.3	5.8	4.0	3.8	-
2013	Sausages and other prepared meats	39.4	39.3	39.6	39.3	-	3.3	3.9	3.6	2.9	-
2016	Poultry dressing plants	36.3	33.7	36.1	36.2	-	2.5	3.0	2.7	2.2	-
202	Dairy products	41.0	40.3	40.8	40.3	-	3.8	3.5	3.6	3.3	-
2022	Cheese, natural and processed	39.4	38.4	39.0	38.7	-	3.2	2.7	3.2	3.0	-
2026	Fluid milk	41.6	41.6	41.7	41.0	-	4.1	4.3	4.0	3.7	-
203	Preserved fruits and vegetables	38.9	38.6	39.0	38.7	-	3.6	3.2	3.1	3.0	-
2032	Canned specialties	41.4	41.2	43.1	39.3	-	4.1	3.6	5.8	4.3	-
2033	Canned fruits and vegetables	38.8	36.8	39.3	39.3	-	4.0	2.2	2.7	2.4	-
2037	Frozen fruits and vegetables	39.1	40.3	39.6	39.3	-	4.0	4.5	3.5	3.6	-
204	Grain mill products	42.5	42.2	43.4	41.9	-	5.1	5.6	5.0	4.9	-
2041	Flour and other grain mill products	44.3	44.3	44.8	43.2	-	5.9	5.8	6.0	6.3	-
2048	Prepared feeds, nec	42.6	41.6	44.0	43.5	-	5.2	5.8	5.5	5.4	-
205	Bakery products	37.9	36.3	38.2	37.0	-	2.9	2.7	3.1	2.3	-
2051	Bread, cake, and related products	37.5	36.9	37.4	36.3	-	3.1	3.0	3.0	2.2	-
2052	Cookies and crackers	38.8	34.7	40.3	38.6	-	2.4	2.0	3.5	2.6	-
206	Sugar and confectionery products	40.1	39.7	40.8	39.5	-	3.0	3.1	3.5	2.9	-
2061-3	Cane and beet sugar	42.1	43.1	45.9	43.1	-	4.9	5.2	6.9	5.7	-
2065	Confectionery products	38.6	37.4	37.9	37.2	-	2.0	1.9	1.7	1.4	-
207	Fats and oils	43.2	42.7	44.7	42.8	-	5.3	5.6	5.4	4.7	-
208	Beverages	40.4	39.1	40.5	38.9	-	3.8	3.5	3.4	2.6	-
2082	Malt beverages	42.9	42.4	42.1	40.7	-	5.7	6.0	4.6	4.3	-
2086	Bottled and canned soft drinks	39.5	37.3	39.6	38.0	-	3.2	2.4	3.1	2.0	-
209	Misc. foods and kindred products	37.4	35.8	37.0	36.3	-	2.9	2.5	2.7	2.5	-
TOBACCO MANUFACTURES											
21	Cigarettes	37.8	36.1	37.9	36.6	36.9	1.4	1.0	1.2	1.2	-
211	Cigarettes	37.7	36.2	37.0	36.1	-	1.3	.9	.8	.9	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	37.5	31.2	39.2	38.9	38.7	2.2	1.5	2.6	2.5	-
221	Weaving mills, cotton	37.2	28.4	40.0	39.7	-	2.3	1.1	3.1	3.2	-
222	Weaving mills, synthetics	37.3	31.4	39.5	39.4	-	2.0	1.5	2.6	2.3	-
223	Weaving and finishing mills, wool	39.2	39.9	39.6	39.8	-	3.2	3.6	3.5	3.6	-
224	Narrow fabric mills	38.9	36.2	39.6	39.3	-	1.8	1.9	1.9	1.6	-
225	Knitting mills	36.6	30.4	37.2	37.5	-	1.9	1.3	2.0	2.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$191.57	\$157.69	\$207.82	\$212.94	-	\$5.22	\$5.17	\$5.37	\$5.46	-
2252	Hosiery, nec	184.93	147.90	186.02	199.02	-	5.18	5.10	5.24	5.35	-
2253	Knit outerwear mills	191.46	157.95	191.17	197.09	-	5.26	5.23	5.34	5.49	-
2254	Knit underwear mills	177.33	133.32	188.24	195.61	-	5.17	5.05	5.20	5.33	-
2257	Circular knit fabric mills	235.80	206.96	252.28	247.67	-	6.00	5.93	6.26	6.27	-
226	Textile finishing, except wool	245.92	210.12	265.10	254.13	-	6.21	6.18	6.45	6.45	-
2261	Finishing plants, cotton	253.37	222.63	269.80	257.00	-	6.21	6.15	6.47	6.49	-
2262	Finishing plants, synthetics	245.21	209.30	271.89	259.29	-	6.47	6.46	6.73	6.70	-
227	Floor covering mills	226.80	168.67	252.13	239.71	-	6.00	5.96	6.21	6.21	-
228	Yarn and thread mills	204.40	169.02	219.79	223.26	-	5.48	5.40	5.65	5.71	-
2281	Yarn mills, except wool	204.20	161.46	220.70	224.80	-	5.46	5.40	5.63	5.72	-
2282	Throwing and winding mills	195.08	179.57	200.02	208.66	-	5.33	5.19	5.45	5.52	-
229	Miscellaneous textile goods	255.71	217.75	274.80	268.00	-	6.49	6.33	6.67	6.65	-
APPAREL AND OTHER TEXTILE PRODUCTS											
23	Men's and boys' suits and coats	179.75	155.40	186.20	187.44	\$183.38	5.18	5.18	5.26	5.31	\$5.30
231	Men's and boys' suits and coats	208.70	186.34	216.04	213.41	-	5.98	6.05	6.12	6.08	-
232	Men's and boys' furnishings	168.26	134.68	172.91	176.85	-	4.78	4.81	4.83	4.94	-
2321	Men's and boys' shirts and nightwear	163.33	133.86	164.37	167.32	-	4.64	4.73	4.63	4.74	-
2327	Men's and boys' separate trousers	169.27	133.06	176.40	186.21	-	4.85	4.91	4.90	5.06	-
2328	Men's and boys' work clothing	167.92	128.98	175.69	177.71	-	4.73	4.69	4.84	4.95	-
233	Women's and misses' outerwear	169.29	154.74	176.25	176.93	-	5.13	5.09	5.23	5.25	-
2331	Women's and misses' blouses and waists	162.66	145.50	166.43	169.05	-	4.77	4.85	4.81	4.90	-
2335	Women's and misses' dresses	169.37	159.64	174.52	176.48	-	5.26	5.20	5.42	5.43	-
2337	Women's and misses' suits and coats	183.14	160.68	192.66	190.33	-	5.67	5.56	5.70	5.75	-
2339	Women's and misses' underwear, nec	167.15	152.34	174.92	176.11	-	4.96	4.93	5.07	5.09	-
234	Women's and children's undergarments	162.97	140.36	161.98	169.88	-	4.71	4.71	4.75	4.84	-
2341	Women's and children's underwear	161.47	139.04	158.99	168.13	-	4.64	4.65	4.69	4.79	-
2342	Brassieres and allied garments	170.52	146.50	175.70	178.18	-	5.09	5.00	5.02	5.12	-
236	Children's outerwear	166.50	142.03	172.31	176.05	-	4.73	4.75	4.76	4.81	-
2361	Children's dresses and blouses	164.85	149.12	171.23	175.79	-	4.71	4.66	4.73	4.79	-
238	Misc. apparel and accessories	184.08	156.44	189.49	188.50	-	5.20	5.18	5.22	5.28	-
239	Misc. fabricated textile products	225.88	195.16	235.62	233.36	-	6.05	5.95	6.12	6.19	-
2391	Curtains and draperies	162.75	131.13	180.65	171.84	-	4.65	4.65	4.68	4.76	-
2392	House furnishing, nec	195.66	156.16	205.39	203.68	-	5.19	5.07	5.28	5.36	-
2396	Automotive and apparel trimmings	417.64	370.13	417.47	432.28	-	10.52	10.31	10.68	10.78	-
PAPER AND ALLIED PRODUCTS											
26	Paper and pulp mills	389.58	374.18	410.55	402.82	399.64	9.32	9.06	9.66	9.66	9.70
261, 262	Paper mills, except building paper	480.69	463.49	501.96	491.12	-	10.90	10.51	11.28	11.29	-
262	Paper mills, except building paper	485.44	466.67	507.83	498.13	-	10.86	10.44	11.26	11.27	-
263	Paperboard mills	474.40	481.42	500.44	501.07	-	11.11	10.77	11.72	11.68	-
264	Misc. converted paper products	331.70	317.60	355.31	347.68	-	8.19	7.96	8.48	8.48	-
2641	Paper coating and glazing	393.60	383.30	406.93	407.36	-	9.30	9.04	9.53	9.54	-
2642	Envelopes	302.76	292.99	323.33	319.74	-	7.55	7.38	7.81	7.87	-
2643	Bags, except textile bags	312.58	298.80	338.41	324.31	-	7.68	7.47	7.87	7.91	-
265	Paperboard containers and boxes	330.89	309.66	347.68	339.69	-	8.17	7.94	8.48	8.45	-
2651	Folding paperboard boxes	334.92	301.02	361.21	347.60	-	8.29	7.88	8.81	8.69	-
2653	Corrugated and solid fiber boxes	349.73	334.00	360.91	350.61	-	8.53	8.35	8.76	8.70	-
2654	Sanitary food containers	317.83	288.60	344.40	332.11	-	7.79	7.40	8.20	8.12	-
PRINTING AND PUBLISHING											
27	Newspapers	323.01	312.31	340.72	332.79	330.30	8.73	8.58	8.99	8.97	9.00
271	Newspapers	293.93	282.63	309.29	297.24	-	8.88	8.75	9.07	9.09	-
272	Periodicals	331.36	317.63	342.24	349.76	-	8.86	8.47	9.20	9.18	-
273	Books	304.24	289.02	327.66	315.91	-	8.07	7.94	8.38	8.27	-
2731	Book publishing	292.43	278.78	309.26	296.11	-	7.84	7.68	8.16	7.96	-
2732	Book printing	319.04	300.40	348.25	339.63	-	8.33	8.23	8.62	8.62	-
274	Miscellaneous publishing	291.19	273.96	297.65	287.56	-	7.87	7.61	7.98	8.01	-
275	Commercial printing	346.37	336.68	361.14	354.28	-	9.02	8.86	9.26	9.25	-
2751	Commercial printing, letterpress	324.52	311.17	337.65	330.75	-	8.54	8.41	8.77	8.82	-
2752	Commercial printing, lithographic	355.89	351.78	369.10	363.06	-	9.22	9.09	9.44	9.43	-
276	Manifold business forms	347.29	339.37	396.61	374.51	-	8.77	8.57	9.31	9.09	-
278	Blankbooks and bookbinding	257.85	244.20	282.20	280.28	-	6.75	6.60	7.02	7.15	-
279	Printing trade services	405.08	394.57	417.09	409.16	-	10.66	10.55	10.89	10.94	-
CHEMICALS AND ALLIED PRODUCTS											
28	Industrial inorganic chemicals	408.18	394.94	428.08	422.28	424.32	9.98	9.68	10.34	10.35	10.40
281	Industrial inorganic chemicals	446.02	444.29	463.73	460.29	-	11.04	10.81	11.45	11.45	-
2819	Industrial inorganic chemicals, nec	443.23	449.45	469.34	466.62	-	11.15	10.83	11.56	11.55	-
282	Plastics materials and synthetics	400.72	385.43	419.42	419.62	-	9.87	9.47	10.28	10.31	-
2821	Plastics materials and resins	441.15	425.94	462.04	461.16	-	10.63	10.19	11.08	10.98	-
2824	Organic fibers, noncellulosic	377.20	360.40	395.75	396.01	-	9.43	9.01	9.82	9.95	-
283	Drugs	374.83	365.51	396.37	392.06	-	9.12	8.85	9.46	9.47	-
2834	Pharmaceutical preparations	355.04	339.95	379.13	373.73	-	8.81	8.52	9.18	9.16	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	36.7	30.5	38.7	39.0	-	1.9	1.9	2.5	2.7	-
2252	Hosiery, nec	35.7	29.0	35.5	37.2	-	1.5	.8	1.3	1.6	-
2253	Knit outerwear mills	36.4	30.2	35.8	35.9	-	1.8	1.0	1.6	1.9	-
2254	Knit underwear mills	34.3	26.4	36.2	36.7	-	.9	.6	1.5	1.4	-
2257	Circular knit fabric mills	39.3	34.9	40.3	39.5	-	2.8	2.0	3.4	3.3	-
226	Textile finishing, except wool	39.6	34.0	41.1	39.4	-	2.6	1.9	3.1	2.6	-
2261	Finishing plants, cotton	40.8	36.2	41.7	39.6	-	2.5	1.6	3.4	2.4	-
2262	Finishing plants, synthetics	37.9	32.4	40.4	38.7	-	2.7	2.2	3.1	2.9	-
227	Floor covering mills	37.8	28.3	40.6	38.6	-	2.0	.8	3.4	2.5	-
228	Yarn and thread mills	37.3	31.3	38.9	39.1	-	2.2	1.6	2.5	2.6	-
2281	Yarn mills, except wool	37.4	29.9	39.2	39.3	-	2.3	1.3	2.6	2.9	-
2282	Throwing and winding mills	36.6	34.6	36.7	37.8	-	1.9	2.0	2.0	2.1	-
229	Miscellaneous textile goods	39.4	34.4	41.2	40.3	-	2.6	2.0	2.7	2.5	-
APPAREL AND OTHER TEXTILE PRODUCTS											
23	Men's and boys' suits and coats	34.7	30.0	35.4	35.3	34.6	1.0	.7	1.0	1.0	-
231	Men's and boys' suits and coats	34.9	30.8	35.3	35.1	-	.7	.6	.5	.5	-
232	Men's and boys' furnishings	35.2	29.0	35.8	35.8	-	.9	.6	1.0	1.0	-
2321	Men's and boys' shirts and nightwear	35.2	28.3	35.5	35.3	-	1.0	.7	1.0	.9	-
2327	Men's and boys' separate trousers	34.9	27.1	36.0	36.8	-	1.0	1.1	1.0	1.4	-
2328	Men's and boys' work clothing	35.5	27.5	36.3	35.9	-	.9	.3	1.2	1.0	-
233	Women's and misses' outerwear	33.0	30.4	33.7	33.7	-	.9	.7	.9	1.0	-
2331	Women's and misses' blouses and waists	34.1	30.0	34.6	34.5	-	1.0	.5	1.0	1.2	-
2335	Women's and misses' dresses	32.2	30.7	32.2	32.5	-	.8	.7	.8	.8	-
2337	Women's and misses' suits and coats	32.3	28.9	33.8	33.1	-	.8	.4	.7	.8	-
2339	Women's and misses' outerwear, nec	33.7	30.9	34.5	34.6	-	1.0	.9	1.1	1.0	-
234	Women's and children's undergarments	34.6	29.8	34.1	35.1	-	.9	.7	.8	.8	-
2341	Women's and children's underwear	34.8	29.9	33.9	35.1	-	.9	.7	.9	.9	-
2342	Brassieres and allied garments	33.5	29.3	35.0	34.8	-	.6	.5	.5	.3	-
236	Children's outerwear	35.2	29.9	36.2	36.6	-	1.0	.9	1.1	1.1	-
2361	Children's dresses and blouses	35.0	32.0	36.2	36.7	-	.9	.7	1.0	1.2	-
238	Misc. apparel and accessories	35.4	30.2	36.3	35.7	-	1.1	.6	1.1	1.1	-
239	Misc. fabricated textile products	37.5	32.8	38.5	37.7	-	1.6	.9	1.5	1.4	-
2391	Curtains and draperies	35.0	28.2	38.6	36.1	-	1.0	.5	1.0	.6	-
2392	House furnishings, nec	37.7	30.8	38.9	38.0	-	1.8	.7	2.2	1.9	-
2396	Automotive and apparel trimmings	39.7	35.9	40.4	40.1	-	2.4	.6	2.2	2.1	-
PAPER AND ALLIED PRODUCTS											
26	Paper and pulp mills	41.8	41.3	42.5	41.7	41.2	4.1	4.3	4.1	4.0	-
261, 2, 6	Paper mills, except building paper	44.1	44.1	44.5	43.5	-	5.9	6.2	5.7	5.7	-
262	Paper mills, except building paper	44.7	45.1	44.2	44.2	-	6.1	6.4	5.8	5.9	-
263	Paperboard mills	42.7	44.7	42.7	42.9	-	6.8	8.3	6.8	6.3	-
264	Misc. converted paper products	40.5	39.9	41.9	41.0	-	2.5	2.6	2.9	2.6	-
2641	Paper coating and glazing	42.0	42.4	42.7	42.7	-	2.4	2.8	2.5	2.5	-
2642	Envelopes	40.1	39.7	41.4	40.5	-	2.2	2.5	2.4	2.4	-
2643	Bags, except textile bags	40.7	40.0	43.0	41.0	-	2.8	2.8	3.7	2.9	-
265	Paperboard containers and boxes	40.5	39.0	41.0	40.2	-	3.0	2.9	3.1	2.9	-
2651	Folding paperboard boxes	40.4	38.2	41.0	40.0	-	2.9	3.0	3.0	2.5	-
2653	Corrugated and solid fiber boxes	41.0	40.0	41.2	40.3	-	3.5	3.4	3.5	3.4	-
2654	Sanitary food containers	40.8	39.0	42.0	40.9	-	2.7	2.4	2.6	2.2	-
PRINTING AND PUBLISHING											
27	Newspapers	37.0	36.4	37.9	37.1	36.7	2.3	2.2	2.6	2.2	-
271	Newspapers	33.1	32.3	34.1	32.7	-	1.4	1.2	1.7	1.1	-
272	Periodicals	37.4	37.5	37.2	38.1	-	2.4	2.2	2.5	2.7	-
273	Books	37.7	36.4	35.1	38.2	-	2.2	2.2	3.0	2.5	-
2731	Book publishing	37.3	36.3	37.9	37.2	-	1.2	1.0	1.7	1.3	-
2732	Book printing	38.3	36.5	40.4	39.4	-	3.3	3.4	4.5	4.0	-
274	Miscellaneous publishing	37.0	36.0	37.3	35.9	-	1.5	.9	1.5	1.1	-
275	Commercial printing	38.4	38.0	39.0	38.3	-	2.7	2.7	2.9	2.5	-
2751	Commercial printing, letterpress	38.0	37.0	38.5	37.5	-	2.3	2.1	2.4	2.1	-
2752	Commercial printing, lithographic	38.6	38.7	39.1	38.5	-	2.8	3.0	3.1	2.7	-
276	Manifold business forms	39.6	39.6	42.6	41.2	-	2.5	3.3	4.4	3.2	-
278	Blankbooks and bookbinding	38.2	37.0	40.2	39.2	-	1.5	1.6	2.4	2.5	-
279	Printing trade service	38.0	37.4	38.3	37.4	-	3.3	3.0	3.4	3.2	-
CHEMICALS AND ALLIED PRODUCTS											
28	Industrial inorganic chemicals	40.9	40.8	41.4	40.8	40.8	2.8	3.1	2.7	2.7	-
281	Industrial inorganic chemicals	40.4	41.1	40.5	40.2	-	3.0	3.5	2.7	2.4	-
2819	Industrial inorganic chemicals, nec	40.2	41.5	40.6	40.4	-	3.1	3.6	2.8	2.6	-
282	Plastics materials and synthetics	40.6	40.7	40.8	40.7	-	2.5	2.9	2.3	2.5	-
2821	Plastics materials and resins	41.5	41.8	41.7	42.0	-	3.4	3.6	3.3	3.0	-
2824	Organic fibers, noncellulosic	40.0	40.0	40.3	39.8	-	1.7	1.9	1.4	2.1	-
283	Drugs	41.1	41.3	41.9	41.4	-	2.7	3.0	3.0	3.1	-
2834	Pharmaceutical preparations	40.3	39.9	41.3	40.8	-	2.6	2.7	3.0	2.9	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$373.22	\$355.78	\$398.05	\$388.09	-	\$9.17	\$9.03	\$9.50	\$9.63	-
2841	Soap and other detergents	507.18	493.85	534.32	514.92	-	11.85	11.62	12.34	12.26	-
2844	Toilet preparations	286.89	265.50	309.89	303.42	-	7.30	7.08	7.54	7.76	-
2842, 3	Polishing, sanitation, and finishing preparations	354.24	337.46	374.26	363.20	-	8.79	8.72	9.04	9.08	-
285	Paints and allied products	349.43	323.25	356.80	361.43	-	8.80	8.44	9.01	9.15	-
286	Industrial organic chemicals	496.52	473.48	517.41	511.21	-	11.85	11.22	12.29	12.23	-
2865	Cyclic crudes and intermediates	463.37	448.98	490.64	475.51	-	11.31	10.69	11.88	11.77	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	506.04	482.22	525.37	522.01	-	12.02	11.40	12.42	12.37	-
287	Agricultural chemicals	405.56	400.15	426.22	411.68	-	9.68	9.55	10.10	9.92	-
289	Miscellaneous chemical products	373.41	364.81	392.47	383.54	-	9.22	9.03	9.48	9.47	-
29	PETROLEUM AND COAL PRODUCTS	546.99	514.51	563.50	578.60	\$570.71	12.46	11.91	12.72	13.15	\$13.15
291	Petroleum refining	589.19	553.75	604.35	627.20	-	13.30	12.50	13.49	14.00	-
295	Paving and roofing materials	401.12	336.29	407.98	384.74	-	9.35	9.04	9.51	9.43	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	302.15	283.88	317.97	316.79	313.24	7.63	7.51	7.89	7.90	7.93
301	Tires and inner tubes	473.40	452.39	501.76	503.10	-	11.66	11.57	11.89	11.95	-
302	Rubber and plastics footwear	193.91	182.07	192.75	195.52	-	5.13	5.10	5.14	5.27	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	324.40	311.15	334.56	326.78	-	8.11	8.04	8.18	8.19	-
306	Fabricated rubber products, nec	285.32	266.92	297.75	292.43	-	7.26	7.08	7.50	7.46	-
307	Miscellaneous plastics products	275.71	256.74	291.05	289.20	-	6.98	6.81	7.24	7.23	-
31	LEATHER AND LEATHER PRODUCTS	189.75	172.83	196.38	195.64	188.10	5.33	5.19	5.44	5.48	5.50
311	Leather tanning and finishing	276.97	256.78	289.20	292.59	-	7.12	6.94	7.34	7.37	-
314	Footwear, except rubber	179.71	163.00	185.64	183.40	-	5.12	5.00	5.20	5.24	-
3143	Men's footwear, except athletic	188.86	169.37	194.54	193.80	-	5.35	5.26	5.48	5.49	-
3144	Women's footwear, except athletic	174.35	158.11	182.16	176.46	-	5.01	4.85	5.06	5.10	-
316	Luggage	202.30	174.20	236.11	235.38	-	5.78	5.41	6.33	6.26	-
317	Handbags and personal leather goods	177.48	165.19	174.38	183.50	-	4.93	4.83	5.04	5.14	-
-	TRANSPORTATION AND PUBLIC UTILITIES	402.09	388.85	415.24	409.34	405.84	10.31	10.10	10.62	10.66	10.68
	RAILROAD TRANSPORTATION:										
4011	Class I railroads	484.15	445.50	509.92	-	-	11.50	11.25	12.17	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	243.02	232.38	238.76	237.93	-	7.19	7.15	7.17	7.21	-
411	Local and suburban transportation	305.34	298.31	314.82	316.80	-	7.73	7.61	7.93	8.00	-
413	Intercity highway transportation	-	400.42	-	-	-	-	11.64	-	-	-
42	TRUCKING AND WAREHOUSING	395.52	372.96	412.11	388.96	-	10.30	10.08	10.54	10.40	-
421, 3	Trucking and trucking terminals	404.35	382.50	422.18	396.50	-	10.53	10.31	10.77	10.63	-
422	Public warehousing	276.91	259.07	281.92	278.25	-	7.23	7.04	7.38	7.42	-
46	PIPE LINES, EXCEPT NATURAL GAS	536.76	494.81	573.09	598.66	-	12.60	11.67	13.39	13.89	-
48	COMMUNICATION	431.98	392.21	420.28	412.34	-	10.20	9.98	10.64	10.60	-
481	Telephone communication	424.27	411.05	448.00	437.80	-	10.66	10.38	11.20	11.14	-
4817	Switchboard operating employees	305.55	287.71	324.82	314.57	-	9.04	8.64	9.61	9.62	-
4818	Line construction employees*	525.11	510.35	555.56	535.90	-	12.35	11.98	12.95	12.79	-
483	Radio and television broadcasting	324.49	322.88	331.76	330.24	-	8.63	8.61	8.80	8.83	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	446.29	442.68	463.27	462.26	-	10.78	10.54	11.19	11.22	-
491	Electric services	455.20	445.00	471.63	470.41	-	10.89	10.57	11.31	11.39	-
492	Gas production and distribution	409.25	408.62	419.00	421.67	-	9.81	9.66	10.17	10.21	-
493	Combination utility services	508.81	505.26	527.81	517.70	-	12.29	12.03	12.78	12.72	-
495	Sanitary services	349.70	346.04	359.64	376.80	-	8.55	8.44	8.88	8.95	-
-	WHOLESALE AND RETAIL TRADE	198.42	191.89	203.80	202.86	199.92	6.22	6.17	6.29	6.44	6.47
50, 51	WHOLESALE TRADE	309.50	300.13	318.89	319.04	316.09	8.06	7.94	8.24	8.33	8.34
50	WHOLESALE TRADE-DURABLE GOODS	310.43	300.99	319.45	320.88	-	8.00	7.90	8.17	8.27	-
501	Motor vehicles and automotive equipment	276.19	264.12	284.54	284.21	-	7.23	7.10	7.41	7.44	-
502	Furniture and home furnishings	274.90	261.72	286.88	279.35	-	7.37	7.21	7.51	7.55	-
503	Lumber and construction materials	305.48	293.88	309.68	307.26	-	7.94	7.90	7.90	7.96	-
504	Sporting goods, toys, and hobby goods	325.56	320.29	342.79	336.04	-	8.59	8.61	8.95	8.82	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avr. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.7	39.4	41.9	40.3	-	2.7	2.6	2.9	2.7	-
2841	Soap and other detergents	42.8	42.5	43.3	42.0	-	4.1	3.8	4.3	4.2	-
2844	Toilet preparations	39.3	37.5	41.1	39.1	-	1.9	1.9	2.0	1.7	-
2842, 3	Polishing, sanitation, and finishing preparations	40.3	38.7	41.4	40.0	-	2.3	2.4	2.6	2.5	-
285	Paints and allied products	39.6	38.3	39.6	39.5	-	2.0	1.6	1.7	2.0	-
286	Industrial organic chemicals	41.9	42.2	42.1	41.8	-	3.0	3.5	2.9	2.8	-
2865	Cyclic crudes and intermediates	41.5	42.0	41.3	40.4	-	2.6	3.1	3.0	2.5	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.1	42.3	42.3	42.2	-	3.2	3.7	2.9	2.9	-
287	Agricultural chemicals	42.3	41.9	42.2	41.5	-	3.8	4.5	3.4	3.5	-
289	Miscellaneous chemical products	40.5	40.4	41.4	40.5	-	2.6	3.1	2.5	2.2	-
29	PETROLEUM AND COAL PRODUCTS	43.9	43.2	44.3	44.0	43.4	3.9	4.0	3.7	3.7	-
291	Petroleum refining	44.3	44.3	44.8	44.8	-	3.7	4.3	3.5	3.7	-
295	Paving and roofing materials	42.9	37.2	42.9	40.8	-	5.9	2.8	5.3	4.8	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.6	37.8	40.3	40.1	39.5	2.6	2.4	2.8	2.6	-
301	Tires and inner tubes	40.5	39.1	42.2	42.1	-	2.6	2.6	2.7	2.4	-
302	Rubber and plastics footwear	37.8	35.7	37.5	37.1	-	1.4	1.1	1.1	1.1	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.3	38.7	40.9	39.9	-	2.2	1.9	1.8	1.8	-
306	Fabricated rubber products, nec	39.3	37.7	39.7	39.2	-	2.3	2.0	2.4	2.0	-
307	Miscellaneous plastics products	39.5	37.7	40.2	40.0	-	2.8	2.6	3.0	2.8	-
31	LEATHER AND LEATHER PRODUCTS	35.6	33.3	36.1	35.7	34.2	1.2	1.1	1.2	1.1	-
311	Leather tanning and finishing	38.9	37.0	39.4	39.7	-	2.5	2.4	2.3	3.1	-
314	Footwear, except rubber	35.1	32.6	35.7	35.0	-	1.1	.9	1.0	.8	-
3143	Men's footwear, except athletic	35.3	32.2	35.5	35.3	-	.8	1.0	.5	.4	-
3144	Women's footwear, except athletic	34.8	32.6	36.0	34.6	-	1.3	.8	1.4	1.0	-
316	Luggage	35.0	32.2	37.3	37.6	-	1.7	1.6	2.3	2.4	-
317	Handbags and personal leather goods	36.0	34.2	34.6	35.7	-	1.0	1.0	.6	.6	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.0	38.5	39.1	38.4	38.0	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.1	39.6	41.9	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	33.8	32.5	33.3	33.0	-	-	-	-	-	-
411	Local and suburban transportation	39.5	39.2	39.7	39.6	-	-	-	-	-	-
413	Intercity highway transportation	-	34.4	-	-	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	38.4	37.0	39.1	37.4	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.4	37.1	39.2	37.3	-	-	-	-	-	-
422	Public warehousing	38.3	36.8	38.2	37.5	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.6	42.4	42.8	43.1	-	-	-	-	-	-
48	COMMUNICATION	39.4	39.3	39.5	38.9	-	-	-	-	-	-
481	Telephone communication	39.8	39.6	40.0	39.3	-	-	-	-	-	-
4817	Switchboard operating employees ³	33.3	33.3	33.8	32.7	-	-	-	-	-	-
4818	Line construction employees ⁴	42.6	42.6	42.9	41.9	-	-	-	-	-	-
483	Radio and television broadcasting	37.6	37.5	37.7	37.4	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.4	42.0	41.4	41.2	-	-	-	-	-	-
491	Electric services	41.8	42.1	41.7	41.3	-	-	-	-	-	-
492	Gas production and distribution	40.8	42.3	41.2	41.3	-	-	-	-	-	-
493	Combination utility services	41.4	42.0	41.3	40.7	-	-	-	-	-	-
495	Sanitary services	40.9	41.0	40.5	42.1	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	31.9	31.1	32.4	31.5	30.9	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.4	37.8	38.7	38.3	37.9	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.8	38.1	39.1	38.8	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.2	37.2	38.4	38.2	-	-	-	-	-	-
502	Furniture and home furnishings	37.3	36.3	38.2	37.0	-	-	-	-	-	-
503	Lumber and construction materials	38.6	37.2	39.2	38.6	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.9	37.2	38.3	38.1	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$352.95	\$345.19	\$359.90	\$361.89	-	\$9.05	\$9.06	\$9.02	\$9.07	-
506	Electrical goods	337.59	334.23	355.77	358.89	-	8.59	8.57	8.85	9.04	-
507	Hardware, plumbing, and heating equipment	283.34	280.77	296.79	296.44	-	7.47	7.35	7.61	7.66	-
508	Machinery, equipment, and supplies	322.58	313.86	330.40	335.09	-	8.25	8.11	8.45	8.57	-
509	Miscellaneous durable goods	248.91	235.80	257.64	257.80	-	6.62	6.55	6.78	6.82	-
51	WHOLESALE TRADE-NONDURABLE GOODS	308.89	299.20	317.75	317.43	-	8.15	8.00	8.34	8.42	-
511	Paper and paper products	326.75	316.23	327.73	328.48	-	8.76	8.57	8.81	8.83	-
512	Drugs, proprietaries, and sundries	327.96	308.42	342.90	336.90	-	8.84	8.52	9.00	9.23	-
513	Apparel, piece goods, and notions	271.93	258.12	287.82	296.90	-	7.45	7.19	7.80	8.09	-
514	Groceries and related products	310.90	301.98	322.31	322.71	-	8.16	8.01	8.35	8.47	-
516	Chemicals and allied products	369.23	362.45	376.49	374.57	-	9.54	9.39	9.83	9.78	-
517	Petroleum and petroleum products	385.86	386.72	401.39	403.40	-	9.72	9.62	9.96	10.01	-
518	Beer, wine, and distilled beverages	350.77	334.69	376.54	353.58	-	9.61	9.22	10.26	9.96	-
519	Miscellaneous nondurable goods	251.56	243.29	257.09	253.42	-	6.62	6.54	6.73	6.74	-
52-59	RETAIL TRADE	164.15	157.47	170.14	166.42	\$164.15	5.49	5.43	5.56	5.68	\$5.70
52	BUILDING MATERIALS AND GARDEN SUPPLIES	215.36	206.50	219.30	217.18	-	6.01	5.90	6.16	6.17	-
521	Lumber and other building materials	231.76	221.43	230.23	226.26	-	6.23	6.10	6.36	6.32	-
525	Hardware stores	180.20	174.57	184.19	182.58	-	5.30	5.29	5.37	5.45	-
53	GENERAL MERCHANDISE STORES	157.39	147.92	172.37	160.72	-	5.39	5.34	5.32	5.60	-
531	Department stores	163.23	153.73	177.97	165.30	-	5.59	5.53	5.51	5.80	-
533	Variety stores	125.67	113.84	142.71	128.18	-	4.26	4.17	4.26	4.36	-
539	Misc. general merchandise stores	130.80	123.52	135.88	132.61	-	4.36	4.38	4.30	4.45	-
54	FOOD STORES	222.58	212.31	225.34	223.64	-	7.25	7.03	7.34	7.43	-
541	Grocery stores	232.37	221.13	234.24	233.01	-	7.52	7.25	7.63	7.69	-
546	Retail bakeries	144.29	135.14	148.26	139.43	-	5.01	4.95	5.13	5.07	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	234.87	227.66	238.45	239.39	-	6.28	6.12	6.41	6.47	-
551.2	New and used car dealers	276.67	263.20	281.98	283.48	-	7.30	7.00	7.44	7.46	-
553	Auto and home supply stores	240.38	239.00	248.47	251.29	-	5.95	5.96	6.12	6.22	-
554	Gasoline service stations	178.06	175.79	178.69	177.16	-	5.03	4.98	5.12	5.15	-
56	APPAREL AND ACCESSORY STORES	137.05	131.38	146.62	138.55	-	4.86	4.83	4.92	5.02	-
561	Men's and boys' clothing and furnishings	172.46	170.19	183.68	178.46	-	5.51	5.58	5.60	5.72	-
562	Women's ready-to-wear stores	122.04	117.19	128.82	124.89	-	4.52	4.56	4.52	4.66	-
565	Family clothing stores	137.17	126.14	146.40	136.89	-	4.83	4.76	4.88	5.07	-
566	Shoe stores	140.84	130.02	154.44	138.21	-	5.03	4.78	5.20	5.10	-
57	FURNITURE AND HOME FURNISHINGS STORES	213.69	209.84	223.24	222.57	-	6.23	6.19	6.36	6.47	-
571	Furniture and home furnishings stores	212.50	207.93	223.76	220.35	-	6.25	6.17	6.43	6.50	-
572	Household appliance stores	228.85	218.62	243.52	231.15	-	6.52	6.43	6.69	6.90	-
573	Radio, television, and music stores	209.64	208.28	210.35	223.20	-	6.03	6.09	6.01	6.20	-
58	EATING AND DRINKING PLACES⁵	107.16	100.78	107.84	106.93	-	4.09	4.08	4.18	4.21	-
59	MISCELLANEOUS RETAIL	163.17	162.87	175.71	170.75	-	5.39	5.34	5.44	5.58	-
591	Drug stores and proprietary stores	147.61	140.86	152.22	148.37	-	5.09	4.96	5.16	5.28	-
594	Miscellaneous shopping goods stores	150.59	145.53	156.95	151.80	-	4.97	4.95	4.92	5.06	-
596	Nonstore retailers	203.90	190.83	217.27	206.40	-	6.16	6.02	6.19	6.39	-
598	Fuel and ice dealers	278.78	306.61	293.31	296.77	-	7.26	7.46	7.54	7.59	-
599	Retail stores, nec	180.51	172.59	189.39	184.25	-	5.47	5.36	5.62	5.74	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁶	245.44	237.47	254.46	263.89	259.55	6.78	6.56	7.01	7.21	7.17
60	BANKING	212.80	205.30	219.49	227.06	-	5.83	5.64	6.03	6.17	-
602	Commercial and stock savings banks	209.05	202.02	212.94	221.17	-	5.70	5.55	5.85	6.01	-
61	CREDIT AGENCIES OTHER THAN BANKS	220.23	213.01	225.58	232.36	-	6.00	5.82	6.13	6.28	-
612	Savings and loan associations	203.88	197.11	202.84	211.12	-	5.58	5.46	5.65	5.80	-
614	Personal credit institutions	224.08	216.66	231.63	239.73	-	6.04	5.84	6.21	6.41	-
63	INSURANCE CARRIERS	283.84	274.91	293.92	300.32	-	7.63	7.41	7.88	8.03	-
631	Life insurance	290.16	286.01	294.89	301.10	-	7.80	7.73	7.97	8.16	-
632	Medical service and health insurance	271.85	264.73	283.49	294.12	-	7.23	6.93	7.48	7.60	-
633	Fire, marine, and casualty insurance	281.57	266.81	295.74	301.38	-	7.61	7.27	7.95	8.08	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avq. 1932	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avq. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	WHOLESALE TRADE-DURABLE										
	GOODS—Continued										
505	Metals and minerals, except petroleum	39.0	38.1	39.9	39.9	-	-	-	-	-	
506	Electrical goods	39.3	39.0	40.2	39.7	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.6	38.2	39.0	38.7	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.1	38.7	39.1	39.1	-	-	-	-	-	
509	Miscellaneous durable goods	37.6	36.0	38.0	37.8	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	37.9	37.4	38.1	37.7	-	-	-	-	-	
511	Paper and paper products	37.3	36.9	37.2	37.2	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.1	36.2	38.1	36.5	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.5	35.9	36.9	36.7	-	-	-	-	-	
514	Groceries and related products	38.1	37.7	38.6	38.1	-	-	-	-	-	
516	Chemicals and allied products	38.7	38.6	38.3	38.3	-	-	-	-	-	
517	Petroleum and petroleum products	39.8	40.2	40.3	40.3	-	-	-	-	-	
518	Beer, wine, and distilled beverages	36.5	36.3	36.7	35.5	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.0	37.2	38.2	37.6	-	-	-	-	-	
52-59	RETAIL TRADE	29.9	29.0	30.6	29.3	28.8	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	36.0	35.0	35.6	35.2	-	-	-	-	-	
521	Lumber and other building materials	37.2	36.3	36.2	35.8	-	-	-	-	-	
525	Hardware stores	34.0	33.0	34.3	33.5	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.2	27.7	32.4	28.7	-	-	-	-	-	
531	Department stores	29.2	27.8	32.3	28.5	-	-	-	-	-	
533	Variety stores	29.5	27.3	33.5	29.4	-	-	-	-	-	
539	Misc. general merchandise stores	30.0	28.2	31.6	29.8	-	-	-	-	-	
54	FOOD STORES	30.7	30.2	30.7	30.1	-	-	-	-	-	
541	Grocery stores	30.3	30.5	30.7	30.3	-	-	-	-	-	
546	Retail bakeries	28.8	27.3	28.9	27.5	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	37.4	37.2	37.2	37.0	-	-	-	-	-	
551.2	New and used car dealers	37.9	37.6	37.9	38.0	-	-	-	-	-	
553	Auto and home supply stores	40.4	40.1	40.6	40.4	-	-	-	-	-	
554	Gasoline service stations	35.4	35.3	34.9	34.4	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.2	27.2	29.8	27.6	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.3	30.5	32.8	31.2	-	-	-	-	-	
562	Women's ready-to-wear stores	27.0	25.7	28.5	26.8	-	-	-	-	-	
565	Family clothing stores	28.4	26.5	30.0	27.0	-	-	-	-	-	
566	Shoe stores	28.0	27.2	29.7	27.1	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS										
	STORES	34.3	33.9	35.1	34.4	-	-	-	-	-	
571	Furniture and home furnishings stores	34.3	33.7	34.8	33.9	-	-	-	-	-	
572	Household appliance stores	35.1	34.0	36.4	33.5	-	-	-	-	-	
573	Radio, television, and music stores	34.6	34.2	35.0	36.0	-	-	-	-	-	
58	EATING AND DRINKING PLACES	26.2	24.7	25.8	25.4	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	31.2	30.5	32.3	30.6	-	-	-	-	-	
591	Drug stores and proprietary stores	29.3	28.4	29.5	28.1	-	-	-	-	-	
594	Miscellaneous shopping goods stores	30.3	29.4	31.9	30.0	-	-	-	-	-	
596	Nonstore retailers	33.1	31.7	35.1	32.3	-	-	-	-	-	
598	Fuel and ice dealers	38.4	41.1	38.9	39.1	-	-	-	-	-	
599	Retail stores, nec	33.0	32.2	33.7	32.1	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL										
	ESTATE	36.2	36.2	36.3	36.6	36.2	-	-	-	-	
60	BANKING	36.5	36.4	36.4	36.8	-	-	-	-	-	
602	Commercial and stock savings banks	36.5	36.4	36.4	36.8	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.7	36.6	36.8	37.0	-	-	-	-	-	
612	Savings and loan associations	36.3	36.1	35.9	36.4	-	-	-	-	-	
614	Personal credit institutions	37.1	37.1	37.3	37.4	-	-	-	-	-	
63	INSURANCE CARRIERS	37.2	37.1	37.3	37.4	-	-	-	-	-	
631	Life insurance	37.2	37.0	37.0	36.9	-	-	-	-	-	
632	Medical service and health insurance	37.6	38.2	37.9	38.7	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.0	36.7	37.2	37.3	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
-	SERVICES	\$225.27	\$219.32	\$232.82	\$234.39	\$231.66	\$6.91	\$6.79	\$7.12	\$7.19	\$7.15
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ²	152.11	150.02	152.42	153.76	-	5.02	5.12	5.22	5.23	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	171.16	162.15	178.80	176.16	-	5.14	5.02	5.29	5.29	-
723	Beauty shops ³	159.66	132.42	157.83	153.59	-	5.09	4.63	5.35	5.26	-
73	BUSINESS SERVICES	228.57	219.24	235.34	237.87	-	6.99	6.83	7.11	7.23	-
731	Advertising	329.49	313.82	337.17	347.04	-	9.15	8.84	9.34	9.64	-
734	Services to buildings	151.96	145.64	158.44	158.42	-	5.67	5.58	5.72	5.74	-
737	Computer and data processing services	329.78	311.91	329.62	345.22	-	8.60	8.43	8.72	8.99	-
75	AUTO REPAIR, SERVICES, AND GARAGES	253.05	248.71	256.43	257.18	-	6.73	6.74	6.82	6.84	-
753	Automotive repair shops	281.25	276.48	284.79	283.63	-	7.23	7.20	7.34	7.31	-
76	MISCELLANEOUS REPAIR SERVICES	310.31	300.58	327.21	318.90	-	8.06	7.91	8.39	8.37	-
78	MOTION PICTURES	237.72	254.74	270.07	267.68	-	8.87	9.47	10.23	9.56	-
781	Motion picture production and services	478.66	498.02	520.18	530.53	-	13.15	13.46	14.82	13.78	-
79	AMUSEMENT AND RECREATION SERVICES	185.10	175.89	192.51	197.33	-	6.17	6.15	6.46	6.35	-
80	HEALTH SERVICES	229.68	226.79	235.56	237.47	-	6.96	6.79	7.16	7.24	-
801	Offices of physicians	217.56	211.68	228.80	232.87	-	6.82	6.72	7.15	7.30	-
802	Offices of dentists	190.07	184.43	195.68	199.37	-	6.74	6.54	6.89	7.02	-
805	Nursing and personal care facilities	152.15	148.36	155.47	158.63	-	4.83	4.74	4.92	5.02	-
805	Hospitals	259.55	247.81	267.34	268.26	-	7.56	7.31	7.84	7.89	-
81	LEGAL SERVICES	299.81	288.27	313.34	321.55	-	8.69	8.38	9.03	9.24	-
89	MISCELLANEOUS SERVICES	394.21	374.19	406.89	413.22	-	10.16	9.77	10.46	10.65	-
891	Engineering and architectural services	433.01	411.77	447.08	451.16	-	13.99	10.64	11.29	11.48	-
893	Accounting, auditing, and bookkeeping	326.17	311.50	334.57	347.91	-	8.45	8.07	8.69	8.99	-

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

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

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

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Money payments only; tips, not included.

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

- Data not available.

p = preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P	Avg. 1982	Jan. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
-	SERVICES	32.6	32.3	32.7	32.6	32.4	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ²	30.3	29.3	29.2	29.4	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.3	32.3	33.8	33.3	-	-	-	-	-	
723	Beauty shops ³	29.6	28.6	29.5	29.2	-	-	-	-	-	
73	BUSINESS SERVICES	32.7	32.1	33.1	32.9	-	-	-	-	-	
731	Advertising	35.9	35.5	36.1	36.0	-	-	-	-	-	
734	Services to buildings	26.8	26.1	27.7	27.6	-	-	-	-	-	
737	Computer and data processing services	37.3	37.0	37.8	38.4	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.6	36.9	37.6	37.6	-	-	-	-	-	
753	Automotive repair shops	38.9	38.4	38.8	38.8	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	38.5	38.0	39.0	38.1	-	-	-	-	-	
78	MOTION PICTURES	26.8	26.9	26.4	28.0	-	-	-	-	-	
781	Motion picture production and services	36.4	37.0	35.1	38.5	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.3	28.6	29.8	29.5	-	-	-	-	-	
80	HEALTH SERVICES	33.0	33.4	32.9	32.8	-	-	-	-	-	
801	Offices of physicians	31.9	31.5	32.0	31.9	-	-	-	-	-	
802	Offices of dentists	28.2	28.2	28.4	28.4	-	-	-	-	-	
805	Nursing and personal care facilities	31.5	31.3	31.6	31.6	-	-	-	-	-	
806	Hospitals	34.2	33.9	34.1	34.0	-	-	-	-	-	
81	LEGAL SERVICES	34.5	34.4	34.7	34.8	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	38.9	38.3	38.9	38.8	-	-	-	-	-	
891	Engineering and architectural services	39.4	38.7	39.6	39.3	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	38.6	38.6	38.5	38.7	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Avg. 1982	Feb. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
MANUFACTURING	\$8.25	\$8.10	\$3.42	\$8.47	\$8.49
DURABLE GOODS	8.81	8.65	8.97	9.02	9.04
Lumber and wood products	7.28	7.07	7.35	7.47	-
Furniture and fixtures	6.20	6.08	6.31	6.38	-
Stone, clay, and glass products	8.50	8.29	8.74	8.74	-
Primary metal industries	11.05	10.89	11.21	11.27	-
Fabricated metal products	8.56	8.35	8.72	8.77	-
Machinery, except electrical	9.03	8.90	9.14	9.16	-
Electric and electronic equipment	7.98	7.77	8.23	8.28	-
Transportation equipment	10.75	10.51	11.03	11.05	-
Instruments and related products	8.09	7.75	8.47	8.59	-
Miscellaneous manufacturing industries	6.28	6.16	6.50	6.59	-
NONDURABLE GOODS	7.49	7.31	7.70	7.73	7.76
Food and kindred products	7.55	7.43	7.72	7.76	-
Tobacco manufactures	9.61	9.40	9.47	9.71	-
Textile mill products	5.67	5.60	5.84	5.88	-
Apparel and other textile products	5.11	5.06	5.19	5.24	-
Paper and allied products	8.89	8.58	9.21	9.22	-
Printing and publishing	8.48	8.31	8.69	8.71	-
Chemicals and allied products	9.65	9.36	10.01	10.03	-
Petroleum and coal products	11.93	11.83	12.21	12.62	-
Rubber and misc. plastics products	7.39	7.25	7.63	7.65	-
Leather and leather products	5.24	5.14	5.36	5.40	-

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

p=preliminary.

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

Industry	Avg. 1982	Feb. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
TOTAL PRIVATE:					
Current dollars	\$266.92	\$262.39	\$274.48	\$273.34	\$270.18
Constant (1977) dollars	167.87	168.31	170.59	169.88	-
MINING:					
Current dollars	460.93	463.03	467.58	476.43	\$462.67
Constant (1977) dollars	289.89	297.00	293.60	296.10	-
CONSTRUCTION:					
Current dollars	425.41	406.39	437.92	437.27	\$421.97
Constant (1977) dollars	267.55	260.67	272.17	271.77	-
MANUFACTURING:					
Current dollars	330.65	326.93	344.99	341.43	\$338.63
Constant (1977) dollars	207.96	209.70	214.41	212.20	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	402.09	397.10	415.24	409.34	\$405.84
Constant (1977) dollars	252.89	254.71	258.07	254.41	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	198.42	194.66	203.83	202.86	\$199.92
Constant (1977) dollars	124.79	124.86	126.66	128.08	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	245.44	239.64	254.46	263.89	\$259.55
Constant (1977) dollars	154.36	153.71	158.15	164.01	-
SERVICES:					
Current dollars	225.27	220.68	232.82	234.39	\$231.66
Constant (1977) dollars	141.68	141.55	144.70	145.67	-

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

p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	Avg. 1982	Feb. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	Hours				
TOTAL PRIVATE	104.4	103.4	104.5	100.9	99.0
GOODS-PRODUCING	90.8	91.8	87.8	85.1	83.0
MINING	127.7	139.4	114.1	111.5	104.4
CONSTRUCTION	100.1	86.4	95.8	88.5	80.0
MANUFACTURING	37.3	90.6	84.9	83.2	82.6
DURABLE GOODS	85.0	89.7	81.2	79.8	79.4
Lumber and wood products	78.2	74.0	79.8	80.2	79.8
Furniture and fixtures	87.2	89.9	90.2	87.2	86.3
Stone, clay, and glass products	79.5	76.6	75.9	73.0	70.9
Primary metal industries	69.1	79.6	60.1	61.1	60.8
Fabricated metal products	82.9	87.0	83.1	78.6	77.8
Machinery, except electrical	92.6	105.3	82.8	80.2	79.7
Electric and electronic equipment	96.0	100.3	94.1	93.3	93.0
Transportation equipment	79.1	81.0	78.0	76.4	77.6
Instruments and related products	105.4	109.2	101.8	100.9	99.5
Miscellaneous manufacturing industries	83.1	84.1	79.6	77.0	75.7
NONDURABLE GOODS	90.6	91.9	90.4	88.2	87.3
Food and kindred products	95.8	93.0	95.1	90.2	88.1
Tobacco manufactures	89.4	93.4	96.9	91.5	86.7
Textile mill products	75.3	79.5	76.4	74.9	74.9
Apparel and other textile products	84.7	88.7	83.1	82.9	82.0
Paper and allied products	92.5	93.9	92.5	90.1	88.9
Printing and publishing	105.8	106.6	108.8	105.1	104.3
Chemicals and allied products	95.0	96.9	93.8	92.2	93.2
Petroleum and coal products	96.6	90.4	95.7	93.3	92.5
Rubber and misc. plastics products	92.4	94.4	91.6	90.9	90.8
Leather and leather products	77.5	77.8	73.9	73.1	70.0
SERVICE-PRODUCING	111.9	109.8	113.8	109.6	107.9
TRANSPORTATION AND PUBLIC UTILITIES	101.7	102.2	101.0	96.8	95.6
WHOLESALE AND RETAIL TRADE	135.6	102.7	109.7	102.5	99.3
WHOLESALE TRADE	139.1	108.9	108.1	105.9	104.0
RETAIL TRADE	134.2	100.3	110.2	101.2	97.5
FINANCE, INSURANCE, AND REAL ESTATE	117.2	116.1	117.1	117.5	116.2
SERVICES	121.7	119.3	122.3	120.5	120.4

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

p-preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	Aug. 1982	Feb. 1982	Dec. 1982	Jan. 1983P	Feb. 1983P
	Payrolls				
TOTAL PRIVATE	152.6	148.6	155.7	151.8	149.0
GOODS-PRODUCING	136.1	134.0	134.6	130.2	127.2
MINING	199.1	213.3	182.0	180.0	170.5
CONSTRUCTION	142.7	120.7	142.1	129.5	117.7
MANUFACTURING	130.6	133.1	129.8	127.6	127.3
DURABLE GOODS	126.8	131.6	123.6	121.9	121.8
Lumber and wood products	115.1	105.6	119.0	121.3	120.2
Furniture and fixtures	127.1	128.1	134.5	130.8	129.2
Stone, clay, and glass products	121.4	113.7	118.7	114.1	111.2
Primary metal industries	105.7	120.4	93.3	95.5	94.7
Fabricated metal products	123.2	126.2	121.6	119.7	119.3
Machinery, except electrical	137.3	154.8	124.6	120.3	119.7
Electric and electronic equipment	145.4	148.1	147.4	146.7	147.1
Transportation equipment	120.6	120.3	122.5	119.6	122.5
Instruments and related products	164.5	163.8	166.4	166.8	164.8
Miscellaneous manufacturing industries	122.2	121.2	121.4	118.8	116.7
NONDURABLE GOODS	137.2	135.6	140.8	137.6	136.9
Food and kindred products	140.7	134.0	142.7	135.4	132.8
Tobacco manufactures	157.8	161.1	168.4	162.9	163.1
Textile mill products	110.2	114.8	115.7	114.2	114.5
Apparel and other textile products	121.2	125.6	120.6	121.5	120.0
Paper and allied products	144.7	141.7	149.8	145.9	144.7
Printing and publishing	150.9	149.1	159.8	154.1	153.4
Chemicals and allied products	147.3	145.8	150.7	148.5	150.7
Petroleum and coal products	153.8	142.0	155.3	156.8	155.4
Rubber and misc. plastics products	136.4	136.6	139.8	138.9	139.2
Leather and leather products	114.5	112.7	111.6	111.2	106.8
SERVICE-PRODUCING	154.2	158.9	170.6	167.0	164.5
TRANSPORTATION AND PUBLIC UTILITIES	150.0	148.1	153.5	147.5	146.0
WHOLESALE AND RETAIL TRADE	153.6	147.9	161.2	154.2	150.1
WHOLESALE TRADE	163.2	160.3	165.4	163.6	160.9
RETAIL TRADE	148.4	141.3	159.0	149.2	144.3
FINANCE, INSURANCE, AND REAL ESTATE	175.1	169.1	180.7	186.5	183.4
SERVICES	180.7	174.1	187.2	186.2	185.3

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-6. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. ^P	Feb. ^P
TOTAL PRIVATE	35.0	34.9	34.9	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.8	35.1	34.4
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	39.4	39.0	39.0	39.1	39.2	39.2	39.0	38.8	38.8	38.9	38.9	39.8	38.9
<i>Overtime hours</i>	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4
DURABLE GOODS	39.8	39.5	39.5	39.6	39.7	39.7	39.4	38.9	39.0	39.2	39.2	40.1	39.3
<i>Overtime hours</i>	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.3
Lumber and wood products	37.9	37.6	37.6	38.5	38.7	38.6	38.2	38.5	38.0	38.5	38.5	40.7	39.0
Furniture and fixtures	37.7	37.3	37.4	37.5	37.8	37.6	37.9	37.4	37.5	37.6	37.7	38.9	37.5
Stone, clay, and glass products	40.1	40.0	40.0	40.2	40.4	40.6	40.3	40.2	40.2	40.2	40.0	41.4	39.9
Primary metal industries	39.4	38.8	38.5	38.5	38.9	38.9	38.8	37.8	38.0	38.2	38.9	39.0	38.8
Fabricated metal products	39.7	39.5	39.4	39.5	39.4	39.5	39.2	38.8	38.9	39.0	39.1	39.8	39.2
Machinery, except electrical	40.7	40.2	40.1	39.8	39.6	39.8	39.5	39.0	39.2	39.2	39.3	39.7	39.3
Electric and electronic equipment	39.8	39.4	39.3	39.4	39.5	39.8	39.3	38.8	39.0	39.2	39.3	39.8	39.2
Transportation equipment	40.5	40.4	41.1	41.1	41.6	41.0	41.5	39.8	40.1	40.8	39.9	41.6	40.8
Instruments and related products	39.9	39.9	39.9	40.2	40.2	40.1	40.1	39.8	39.4	39.2	39.6	40.6	39.4
Miscellaneous manufacturing ind	38.6	38.6	38.5	38.7	38.6	38.7	38.6	38.3	38.6	38.6	38.4	39.3	37.6
NONDURABLE GOODS	38.9	39.5	38.4	38.5	38.6	39.6	38.5	38.6	38.5	38.5	38.5	39.3	38.4
<i>Overtime hours</i>	2.6	2.5	2.6	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5
Food and kindred products	40.2	39.5	39.4	39.4	39.5	39.5	39.4	39.4	39.7	39.4	39.2	39.3	38.9
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	38.3	37.6	37.7	37.9	37.8	37.7	38.2	38.1	38.2	38.6	38.4	40.3	38.9
Apparel and other textile products	35.5	35.0	34.7	34.8	35.1	35.2	35.0	35.2	35.0	35.1	35.0	36.9	34.9
Paper and allied products	42.3	41.8	42.1	41.8	42.0	41.9	41.7	41.5	41.7	41.6	41.6	41.7	41.4
Printing and publishing	37.4	37.1	37.1	36.8	37.1	37.0	36.8	37.0	36.9	37.1	37.1	37.6	37.0
Chemicals and allied products	41.2	40.7	40.7	41.0	41.0	40.9	40.9	41.2	40.8	40.6	40.9	41.0	40.9
Petroleum and coal products	43.5	43.5	44.0	44.1	44.1	43.3	43.9	44.0	43.3	43.9	44.4	45.1	44.7
Rubber and misc. plastics products	40.0	39.6	39.8	39.9	40.1	40.2	39.7	39.6	39.0	39.2	39.6	40.2	39.6
Leather and leather products	35.6	35.8	35.6	35.6	35.7	36.1	36.0	35.7	35.2	35.9	35.8	36.6	34.4
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.0	31.9	31.8	32.0	31.9	31.9	31.9	32.1	31.9	31.8	32.1	32.0	31.4
WHOLESALE TRADE	38.5	38.4	38.3	38.5	38.6	38.5	38.5	38.4	38.3	38.4	38.4	38.6	38.2
RETAIL TRADE	29.9	29.8	29.8	30.0	29.8	29.9	29.9	30.1	29.9	29.8	30.2	30.0	29.3
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.6	32.6	32.7	32.7	32.7	32.6	32.6	32.8	32.6	32.6	32.7	32.8	32.5

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

^P preliminary.

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. ^P	Feb. ^P
TOTAL PRIVATE	106.2	105.6	105.2	105.7	104.9	104.8	104.1	103.9	102.8	102.6	102.8	104.2	101.8
GOODS-PRODUCING	95.6	93.9	93.0	93.3	91.9	91.4	90.0	88.7	87.2	86.7	86.4	89.7	86.5
MINING	143.7	142.6	138.4	133.6	128.2	125.1	121.4	118.6	115.2	113.8	112.8	114.4	107.5
CONSTRUCTION	102.9	101.1	100.9	104.5	101.0	101.9	100.5	98.3	97.2	97.4	97.0	106.5	94.9
MANUFACTURING	91.9	90.3	89.3	89.2	88.4	87.8	86.5	85.5	83.9	83.3	83.1	85.3	83.3
DURABLE GOODS	90.6	89.1	87.8	87.8	86.7	86.1	84.1	82.2	80.0	79.2	78.9	81.4	80.3
Lumber and wood products	77.5	76.1	77.6	79.5	79.8	79.4	78.7	79.5	78.2	79.7	80.3	86.7	83.6
Furniture and fixtures	90.0	83.3	87.8	88.1	88.5	87.3	89.0	86.8	86.0	86.3	86.8	89.8	86.5
Stone, clay, and glass products	82.4	81.1	80.2	81.1	80.4	80.8	79.7	79.1	78.0	76.8	75.6	78.5	75.2
Primary metal industries	79.7	77.1	73.6	71.0	70.1	68.4	67.0	63.4	60.6	59.3	59.7	61.0	60.9
Fabricated metal products	88.1	87.0	85.8	85.5	84.0	83.9	82.0	80.4	78.4	77.5	77.3	79.7	78.7
Machinery, except electrical	104.4	101.5	99.2	98.0	94.4	92.1	88.9	86.5	83.0	81.1	80.3	80.0	79.0
Electric and electronic equipment	100.4	93.6	97.8	98.0	97.7	97.5	95.8	93.5	92.3	92.1	91.1	93.7	92.9
Transportation equipment	81.8	81.7	81.4	82.3	82.6	83.1	79.4	77.2	74.1	73.6	73.8	78.0	78.5
Instruments and related products	109.3	108.5	107.4	108.5	107.2	106.7	105.6	104.0	101.2	99.4	99.4	102.1	99.4
Miscellaneous manufacturing ind	86.8	85.2	84.2	84.4	83.6	84.1	82.4	81.4	81.2	80.0	79.0	81.7	78.2
NONDURABLE GOODS	93.8	92.0	91.5	91.4	91.0	90.3	90.0	90.3	89.7	89.4	89.2	91.2	89.2
Food and kindred products	98.9	96.8	95.5	96.2	95.4	96.1	93.9	94.7	96.5	95.7	94.9	95.2	93.6
Tobacco manufactures	94.6	93.6	89.6	88.7	91.6	89.8	90.7	88.1	84.3	78.9	90.1	93.1	87.4
Textile mill products	79.9	76.5	78.0	77.0	74.8	74.7	75.2	75.2	75.4	75.1	74.4	77.9	75.4
Apparel and other textile products	90.0	87.7	85.3	85.3	85.8	83.2	84.3	84.5	83.9	83.5	83.1	88.8	83.2
Paper and allied products	95.4	93.9	94.0	92.8	92.5	92.2	91.4	91.9	90.9	90.8	90.6	90.7	90.2
Printing and publishing	107.2	105.7	106.2	105.5	105.9	105.3	104.9	105.5	105.1	105.5	105.5	106.7	105.0
Chemicals and allied products	97.6	95.4	95.3	95.7	94.9	94.0	94.3	94.9	93.3	92.9	93.2	93.4	94.0
Petroleum and coal products	96.1	95.1	96.5	96.7	95.9	94.2	95.5	98.8	96.5	97.0	97.3	98.1	98.8
Rubber and misc. plastics products	94.0	92.3	94.0	94.6	94.9	95.0	93.6	92.5	89.4	88.7	89.4	90.8	90.4
Leather and leather products	79.5	79.5	79.5	78.1	78.4	77.0	78.1	76.6	74.2	75.7	73.7	76.3	71.3
SERVICE-PRODUCING	112.1	112.0	111.9	112.5	112.1	112.2	111.8	112.3	111.5	111.4	111.8	112.2	110.3
TRANSPORTATION AND PUBLIC UTILITIES	103.7	103.3	102.8	102.6	102.2	101.5	101.2	100.7	100.1	100.2	99.9	98.8	96.9
WHOLESALE AND RETAIL TRADE	106.3	105.9	105.5	106.5	105.8	106.1	105.5	105.6	104.8	104.3	104.9	105.4	103.0
WHOLESALE TRADE	110.7	110.2	109.5	110.3	110.0	109.6	109.0	108.6	107.9	107.4	107.0	107.3	105.7
RETAIL TRADE	104.6	104.2	103.9	105.1	104.2	104.7	104.2	104.5	103.6	103.1	104.0	104.7	102.0
FINANCE, INSURANCE, AND REAL ESTATE	116.8	117.1	117.0	117.9	117.4	117.4	117.2	117.4	117.0	117.2	117.6	118.5	117.1
SERVICES	120.9	121.1	121.5	121.8	121.9	121.8	121.8	122.9	122.0	122.4	122.8	123.4	122.1

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

^P preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

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

Industry	1982											1983	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. P	Feb. P
Hourly Earnings Index² (1977=100)													
TOTAL PRIVATE (In current dollars).....	145.0	145.4	146.3	147.7	148.1	148.9	149.9	150.1	150.8	151.2	152.1	152.7	152.9
MINING ³	156.0	155.0	156.5	156.8	159.6	161.3	161.5	163.2	162.6	163.3	163.4	164.5	165.8
CONSTRUCTION.....	137.9	133.1	138.7	139.9	139.7	140.6	140.7	140.4	142.3	141.0	143.8	143.4	145.2
MANUFACTURING.....	149.1	149.9	150.8	151.8	152.5	153.3	154.2	154.7	154.6	155.3	155.6	156.5	157.1
TRANSPORTATION AND PUBLIC UTILITIES.....	146.0	146.3	146.9	148.2	149.1	148.9	150.3	149.9	151.1	152.3	153.4	154.4	155.0
WHOLESALE AND RETAIL TRADE.....	142.5	142.8	143.7	145.1	145.2	145.7	146.5	146.8	147.5	148.1	148.6	148.9	149.2
FINANCE, INSURANCE, AND REAL ESTATE.....	143.3	143.3	144.9	148.0	147.2	148.6	150.6	151.3	152.9	152.7	153.7	156.6	154.6
SERVICES.....	143.7	143.3	145.1	146.5	147.3	148.7	149.7	150.8	150.9	150.9	152.4	152.2	151.3
TOTAL PRIVATE (In 1977 dollars) ⁴	93.1	93.5	93.7	93.6	92.9	92.8	93.1	93.2	93.2	93.5	94.3	94.7	-
Average hourly earnings													
TOTAL PRIVATE.....	\$7.53	\$7.54	\$7.59	\$7.65	\$7.67	\$7.71	\$7.74	\$7.72	\$7.77	\$7.79	\$7.82	\$7.86	\$7.98
MINING.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION.....	11.34	11.33	11.43	11.54	11.51	11.56	11.58	11.56	11.71	11.61	11.85	11.77	11.54
MANUFACTURING.....	8.34	8.37	8.44	8.48	8.52	8.56	8.57	8.56	8.56	8.61	8.62	8.67	8.76
TRANSPORTATION AND PUBLIC UTILITIES.....	10.13	10.15	10.18	10.24	10.30	10.30	10.40	10.37	10.43	10.51	10.58	10.65	10.68
WHOLESALE AND RETAIL TRADE.....	6.10	6.12	6.16	6.20	6.22	6.23	6.26	6.25	6.32	6.34	6.36	6.36	6.41
FINANCE, INSURANCE, AND REAL ESTATE.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES.....	6.72	6.72	6.80	6.85	6.90	6.95	7.00	7.01	7.04	7.04	7.11	7.10	7.08
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars.....	263.55	263.15	264.89	267.75	267.68	269.33	269.35	269.56	259.62	270.31	272.14	275.89	271.07
1977 dollars ⁵	169.16	169.12	169.69	169.78	167.93	167.76	167.40	166.77	166.53	167.17	168.61	171.04	-

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

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

³ The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

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

⁵ See footnote 2, table C-6.

p=preliminary.

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

Industry division	Millions of hours (Annual rate) ²			Percent change		
	December 1982	January P1983	February P1983	Feb. 1982 to Feb. 1983	Dec. 1982 to Jan. 1983	Jan. 1983 to Feb. 1983
TOTAL.....	164,242	165,850	163,758	-3.1	1.0	-1.3
PRIVATE SECTOR.....	133,370	134,844	132,774	-3.6	1.1	-1.5
MINING.....	2,260	2,306	2,163	-20.9	2.0	-6.2
CONSTRUCTION.....	7,283	7,977	7,288	-6.1	9.5	-8.6
MANUFACTURING.....	36,854	37,331	37,089	-7.1	1.3	-0.6
DURABLE GOODS.....	21,477	21,814	21,716	9.1	1.6	-0.4
NONDURABLE GOODS.....	15,377	15,517	15,374	-4.2	0.9	-0.9
TRANSPORTATION AND PUBLIC UTILITIES.....	10,085	9,965	9,812	-6.2	-1.2	-1.5
WHOLESALE AND RETAIL TRADE.....	34,044	34,207	33,635	-2.9	0.5	-1.7
FINANCE, INSURANCE, AND REAL ESTATE.....	10,158	10,250	10,137	1.3	0.9	-1.1
SERVICES.....	32,686	32,809	32,650	1.2	0.4	-0.5
GOVERNMENT.....	30,872	31,006	30,984	-0.5	0.4	-0.1

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

(1977=100)

Item	Annual average		Quarterly indexes										
			1980			1981				1982			
	1981	1982	II	III	IV	I	II	III	IV	I	II	III	IV
BUSINESS SECTOR:													
Output per hour of all persons	100.7	101.0	98.2	98.9	99.3	100.7	100.7	101.0	100.2	100.0	100.3	101.2	102.2
Output	108.9	106.4	104.7	105.3	107.0	109.1	109.1	109.6	107.8	106.3	106.4	106.7	106.2
Hours	108.2	r105.4	106.6	106.5	107.7	108.3	108.3	108.5	107.5	106.3	106.1	105.4	r103.9
Compensation per hour	144.1	r154.5	130.0	133.1	136.1	140.0	142.5	145.6	148.2	150.9	153.4	155.7	r157.8
Real compensation per hour	96.0	97.0	96.4	96.9	96.2	96.2	96.4	95.7	95.6	96.5	97.1	96.8	97.5
Unit labor costs	143.1	r152.9	132.3	134.7	137.0	139.0	141.5	144.2	147.9	150.9	152.9	153.8	r154.4
Unit nonlabor payments	135.2	r138.7	116.2	120.6	124.6	131.8	133.4	137.4	138.3	136.4	137.0	140.0	r141.3
Implicit price deflator	140.4	r148.1	126.9	129.9	132.8	136.5	138.8	141.9	144.6	146.0	147.5	149.1	r150.1
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	99.9	100.0	97.6	98.4	99.2	100.4	100.0	100.0	99.1	99.2	99.4	100.3	r100.8
Output	108.6	105.9	104.6	105.3	107.3	109.2	109.0	109.1	107.1	106.0	106.1	106.3	105.3
Hours	108.7	105.9	107.2	107.0	108.2	108.8	109.0	109.1	108.1	106.8	106.7	106.0	r104.5
Compensation per hour	143.6	154.0	129.3	132.6	135.7	139.5	142.0	145.1	147.7	150.4	152.7	155.1	r157.2
Real compensation per hour	95.7	96.7	96.0	96.5	95.9	96.0	96.0	95.4	95.3	96.3	96.6	96.4	r97.1
Unit labor costs	143.8	r154.0	132.5	134.7	136.8	139.0	141.9	145.1	149.0	151.6	153.5	154.7	r156.1
Unit nonlabor payments	134.8	r139.0	116.7	120.3	124.4	131.5	132.8	136.7	138.4	136.7	137.2	140.1	r142.2
Implicit price deflator	140.8	149.0	127.2	129.9	132.7	136.5	138.9	142.3	145.5	146.6	148.1	149.8	r151.4
MANUFACTURING:													
Output per hour of all persons	104.5	r103.5	100.4	100.3	103.6	105.2	105.0	105.0	102.8	102.1	102.3	104.1	104.3
Output	105.9	96.5	101.6	99.9	105.0	106.7	107.5	107.4	102.0	98.2	97.0	96.6	94.1
Hours	101.3	93.3	101.1	99.6	101.3	101.5	102.4	102.3	99.2	96.2	94.8	92.8	90.2
Compensation per hour	146.4	158.8	130.9	135.2	138.4	142.6	144.9	147.3	150.7	154.7	157.6	160.0	161.8
Real compensation per hour	97.5	99.7	97.1	98.5	97.8	98.0	97.9	96.8	97.2	99.0	99.7	99.4	99.9
Unit labor costs	140.0	r153.4	130.3	134.9	133.6	135.5	138.0	140.3	146.6	151.5	154.0	153.6	r155.1
DURABLE GOODS													
Output per hour of all persons	103.4	101.6	99.2	98.3	102.2	104.2	104.0	103.7	101.5	100.3	100.5	102.3	102.5
Output	106.1	94.2	101.4	98.8	104.9	107.0	108.2	107.8	101.6	96.8	95.2	94.2	90.4
Hours	102.6	92.7	102.2	100.4	102.7	102.7	104.0	103.9	100.0	96.5	94.7	92.1	r88.1
Compensation per hour	146.5	159.0	130.4	135.0	138.5	142.7	144.7	147.2	151.0	154.8	157.7	160.5	r162.3
Real compensation per hour	97.6	99.8	96.8	98.3	97.9	98.2	97.9	96.7	97.4	99.1	99.8	99.7	100.2
Unit labor costs	141.6	156.5	131.4	137.3	135.6	137.0	139.2	142.0	148.7	154.3	156.9	156.9	158.3
NONDURABLE GOODS													
Output per hour of all persons	106.2	106.2	102.3	103.2	105.8	106.7	106.5	107.0	104.6	104.9	105.1	106.8	r106.8
Output	105.6	r100.1	101.8	101.5	105.1	106.4	106.5	106.9	102.6	100.4	99.6	100.2	r99.7
Hours	99.4	94.2	99.5	98.4	99.3	99.7	99.9	99.8	98.1	95.7	94.8	93.8	r93.4
Compensation per hour	145.6	158.6	131.3	135.4	137.6	141.8	144.4	146.7	149.6	154.3	157.5	159.4	r161.9
Real compensation per hour	97.0	99.6	97.4	98.6	97.2	97.5	97.7	96.5	96.5	98.8	99.7	99.1	r100.0
Unit labor costs	137.1	r149.3	128.4	131.2	130.1	132.9	135.6	137.1	143.1	147.2	150.0	149.2	151.7
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	102.0	p103.0	99.3	100.6	101.1	102.3	102.2	102.2	101.6	101.6	102.3	103.5	N.A.
Output	110.7	p107.6	106.5	107.1	109.0	111.0	111.1	111.5	109.4	107.9	107.8	108.0	N.A.
Hours	108.5	p104.5	107.2	106.5	107.8	108.5	108.8	109.1	107.7	106.2	105.3	104.3	N.A.
Compensation per hour	143.5	p154.1	129.3	132.6	135.6	139.6	141.9	144.8	147.7	150.7	153.0	155.2	N.A.
Real compensation per hour	95.6	p96.8	95.9	96.6	95.8	96.0	96.0	95.2	95.3	96.5	96.8	96.4	N.A.
Total unit costs	143.4	p154.2	130.4	132.9	135.8	138.3	141.7	144.7	149.1	151.8	153.8	154.8	N.A.
Unit labor costs	140.6	p149.6	130.2	131.9	134.1	136.5	138.9	141.7	145.4	148.3	149.5	150.0	N.A.
Unit nonlabor costs	151.4	p167.0	131.0	135.7	140.7	143.4	149.6	153.1	159.6	161.8	166.0	168.3	N.A.
Unit profits	101.6	p87.2	81.9	87.8	90.5	104.7	98.8	105.2	97.6	86.1	82.3	89.6	N.A.
Implicit price deflator	138.6	p146.5	124.8	127.7	130.6	134.5	136.8	140.2	143.2	144.3	145.6	147.3	N.A.

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1981 II	1981 III	1981 IV	1982 I	1982 II	1982 III	1980 III	1980 IV	1981 I	1981 II	1981 III	1981 IV
	to 1981 III	to 1981 IV	to 1982 I	to 1982 II	to 1982 III	to 1982 IV	to 1981 III	to 1981 IV	to 1982 I	to 1982 II	to 1982 III	to 1982 IV
BUSINESS SECTOR:												
Output per hour of all persons	1.1	-2.9	-1.0	1.4	3.6	4.1	2.2	0.9	-0.7	-0.4	0.2	2.0
Output	1.9	-6.4	-5.5	0.6	1.1	r-1.7	4.1	0.7	-2.6	-2.4	-2.6	r-1.4
Hours	0.8	-3.6	-4.5	-0.8	-2.4	r-5.6	1.9	-0.2	-1.9	-2.1	-2.8	r-3.3
Compensation per hour	9.0	7.4	7.3	6.9	6.1	r5.6	9.4	8.9	7.8	7.6	6.9	r6.5
Real compensation per hour	-2.6	-0.4	3.9	2.2	-1.4	r2.9	-1.3	-0.6	0.3	0.8	1.1	r1.9
Unit labor costs	7.8	10.6	8.4	5.5	2.4	r1.4	7.1	7.9	8.6	8.1	6.7	r4.4
Unit nonlabor payments	12.5	2.9	-5.4	1.7	8.9	r5.4	13.9	11.0	3.5	2.7	1.9	r2.5
Implicit price deflator	9.3	8.0	3.8	4.3	4.4	r2.7	9.2	8.9	6.9	6.3	5.1	r3.8
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-0.3	-3.5	0.6	0.8	r3.5	r2.0	1.6	-0.1	-1.1	-0.6	0.3	r1.7
Output	0.3	-7.1	-4.2	0.6	0.7	r-3.6	3.6	-0.2	-3.0	-2.6	-2.5	-1.7
Hours	0.6	-3.7	-4.7	-0.1	-2.7	r-5.5	2.0	-0.1	-1.9	-2.0	-2.8	r-3.3
Compensation per hour	9.0	7.3	7.7	6.1	6.6	r5.6	9.4	8.8	7.8	7.5	6.9	r6.5
Real compensation per hour	-2.6	-0.5	4.3	1.4	-0.9	r2.9	-1.2	-0.6	0.3	0.6	1.1	r1.9
Unit labor costs	9.3	11.2	7.1	5.2	3.1	r3.5	7.7	8.9	9.0	8.2	6.6	r4.7
Unit nonlabor payments	12.1	5.1	-4.6	1.3	8.9	r6.1	13.6	11.2	4.0	3.3	2.6	r2.8
Implicit price deflator	10.2	9.2	3.3	4.0	4.9	r4.3	9.6	9.6	7.4	6.6	5.3	r4.1
MANUFACTURING:												
Output per hour of all persons	-0.1	-8.2	-2.4	9.8	7.3	r0.5	4.7	-0.8	-2.9	-2.5	-0.8	1.5
Output	-0.4	-18.7	-13.8	-5.1	-1.5	r-10.0	7.5	-2.9	-8.0	-9.8	-10.0	r-7.7
Hours	-0.3	-11.4	-11.7	-5.9	-8.1	r-10.5	2.7	-2.1	-5.2	-7.4	-9.3	-9.1
Compensation per hour	6.8	9.6	11.1	7.8	6.2	4.5	8.9	8.5	8.5	8.8	8.7	7.4
Real compensation per hour	-4.6	1.6	7.5	3.1	-1.3	1.9	-1.7	-0.6	1.0	1.8	2.7	2.8
Unit labor costs	6.8	19.4	13.9	6.9	-1.0	r3.9	4.0	9.8	11.7	11.6	9.5	5.8
DURABLE GOODS												
Output per hour of all persons	-1.3	-8.0	-4.9	0.9	7.4	r0.8	5.4	-0.6	-3.8	-3.4	-1.3	1.0
Output	-1.6	-21.1	-17.5	-6.4	-4.2	r-15.4	9.1	-3.2	-9.5	-12.0	-12.6	-11.0
Hours	-0.3	-14.2	-13.2	-7.2	-10.7	r-16.1	3.5	-2.6	-6.0	-8.9	-11.4	-11.9
Compensation per hour	6.9	10.9	10.3	7.7	7.5	r4.5	9.0	9.1	8.4	8.9	9.1	r7.4
Real compensation per hour	-4.5	2.9	6.8	2.9	-0.1	r1.8	-1.6	-0.4	0.9	1.9	3.1	r2.8
Unit labor costs	8.3	20.5	15.9	6.7	0.1	r3.6	3.4	9.7	12.7	12.7	10.5	r6.4
NONDURABLE GOODS												
Output per hour of all persons	1.8	-8.8	1.1	0.7	7.0	r-0.2	3.7	-1.1	-1.7	-1.4	-0.2	r2.1
Output	1.4	-15.1	-8.3	-3.2	2.5	r-2.0	5.3	-2.4	-5.6	-6.5	-6.2	r-2.8
Hours	-0.4	-6.9	-9.3	-3.9	-4.2	r-1.8	1.5	-1.2	-4.0	-5.2	-6.1	r-4.8
Compensation per hour	6.5	8.2	13.2	8.5	4.9	r6.4	8.4	8.7	8.8	9.1	8.7	8.2
Real compensation per hour	-4.8	0.3	9.6	3.8	-2.5	r3.8	-2.2	-0.7	1.3	2.1	2.7	r3.6
Unit labor costs	4.6	18.5	12.0	7.8	-2.0	6.7	4.5	10.0	10.8	10.6	8.8	6.0
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	0.2	-2.4	0.3	2.7	4.6	N.A.	1.6	0.5	-0.6	0.2	1.3	N.A.
Output	1.5	-7.5	-5.2	-0.4	0.6	N.A.	4.1	0.3	-2.7	-3.0	-3.2	N.A.
Hours	1.2	-5.1	-5.5	-3.1	-3.8	N.A.	2.4	-0.1	-2.2	-3.1	-4.4	N.A.
Compensation per hour	8.4	8.2	8.4	6.2	5.9	N.A.	9.2	8.9	8.0	7.8	7.2	N.A.
Real compensation per hour	-3.1	9.3	5.0	1.6	-1.6	N.A.	-1.4	-0.5	0.5	0.9	1.3	N.A.
Total unit costs	8.6	12.8	7.4	5.4	2.5	N.A.	8.9	9.8	9.7	8.5	7.0	N.A.
Unit labor costs	8.2	10.9	8.1	3.4	1.2	N.A.	7.5	8.4	8.6	7.6	5.8	N.A.
Unit nonlabor costs	9.8	17.8	5.7	10.7	5.9	N.A.	12.9	13.4	12.8	10.9	9.9	N.A.
Unit profits	28.4	-25.9	-39.4	-16.7	40.8	N.A.	19.7	7.9	-17.8	-16.7	-14.8	N.A.
Implicit price deflator	10.2	8.9	3.0	3.8	4.7	N.A.	9.7	9.6	7.3	6.4	5.1	N.A.

GPO 873-678

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
ALABAMA ¹	\$228.34	\$294.23	\$296.96	29.2	39.6	39.7	\$7.82	\$7.43	\$7.43
Birmingham	250.32	316.81	308.90	28.0	39.7	39.2	8.94	7.98	7.38
Mobile	314.22	388.40	403.50	32.8	40.0	39.1	9.58	9.71	11.33
ALASKA	488.95	(*)	(*)	38.2	(*)	(*)	12.80	(*)	(*)
ARIZONA ¹	333.53	357.00	347.60	36.6	40.8	39.5	8.64	8.75	8.80
ARKANSAS ¹	228.11	273.93	279.48	34.2	39.7	39.2	6.67	6.90	6.90
Fayetteville—Springdale	230.35	252.01	247.35	37.9	39.5	39.2	6.07	6.38	6.31
Fort Smith	215.12	270.87	261.89	32.3	39.2	37.9	6.66	6.91	6.91
Little Rock—North Little Rock	271.44	318.80	319.59	34.8	40.0	39.8	7.80	7.97	8.03
Pine Bluff	326.53	381.97	362.78	37.4	42.3	40.9	8.73	9.03	8.87
CALIFORNIA ¹	356.30	376.11	368.71	39.6	39.8	39.1	9.01	9.45	9.43
COLORADO ¹	340.23	341.64	342.71	39.7	39.0	38.9	8.57	8.76	8.81
Denver—Boulder	341.35	355.15	356.07	39.6	39.2	39.0	8.62	9.06	9.12
CONNECTICUT ¹	327.20	348.88	347.58	40.9	40.9	40.7	8.00	8.53	8.54
Bridgeport	333.72	360.45	363.45	41.2	40.5	40.7	8.10	8.90	8.93
Hartford	347.32	379.35	375.77	41.2	41.1	40.8	8.43	9.23	9.21
New Britain	328.35	360.91	362.44	40.8	41.2	41.0	8.06	8.76	8.84
New Haven—West Haven	298.76	327.53	323.98	38.5	39.7	38.8	7.76	8.25	8.35
Stamford	300.33	333.56	331.06	40.6	39.9	39.6	7.39	8.36	8.36
Waterbury	263.87	290.69	296.53	39.8	41.0	40.9	6.63	7.09	7.25
DELAWARE ¹	301.92	354.16	347.81	37.0	40.2	39.3	8.16	8.81	8.85
Wilmington	373.98	408.33	402.04	38.2	39.3	39.3	9.79	10.39	10.23
DISTRICT OF COLUMBIA ¹									
Washington SMSA	345.42	367.82	358.44	38.0	38.8	38.5	9.09	9.48	9.31
FLORIDA ¹	273.20	301.81	292.53	40.0	41.4	39.8	6.83	7.29	7.35
Fort Lauderdale—Hollywood	264.37	287.86	281.48	40.3	42.9	40.5	6.56	6.71	6.95
Jacksonville	316.75	340.30	322.62	40.3	41.5	39.2	7.86	8.20	8.23
Lakeland—Winter Haven	250.09	301.73	293.53	41.5	42.2	41.4	6.99	7.15	7.00
Miami	227.34	244.62	237.78	39.3	40.3	38.6	5.80	6.07	6.16
Orlando	301.45	309.82	321.73	42.4	41.2	41.3	7.11	7.52	7.79
Pensacola	222.00	356.58	356.59	40.2	42.4	42.1	8.71	8.41	8.47
Tampa—St. Petersburg	265.59	303.36	288.32	39.7	41.9	40.1	6.69	7.24	7.19
West Palm Beach—Boca Raton	288.40	330.33	338.87	40.4	42.9	42.2	7.14	7.70	8.03
GEORGIA ¹	200.33	279.16	276.21	29.9	40.4	39.8	6.70	6.91	6.94
Atlanta	218.10	326.33	323.26	27.4	39.7	38.9	7.96	8.22	8.31
Savannah	347.50	414.03	365.92	40.9	45.8	41.3	8.50	9.34	8.86
HAWAII	258.30	331.10	319.54	38.0	39.7	38.5	7.85	8.34	8.31
Honolulu	300.30	333.20	315.63	37.6	39.2	37.8	7.98	8.50	8.35
IDAHO ²	308.65	324.36	317.91	36.7	36.0	35.6	8.41	9.01	8.93
Boise City	337.30	320.32	306.37	39.5	36.4	36.3	8.56	8.80	8.44
ILLINOIS	355.51	376.91	372.33	38.6	39.8	39.4	9.21	9.47	9.45
Bloomington—Normal	328.41	368.51	360.48	38.5	40.9	39.7	8.53	9.01	9.08
Champaign—Urbana—Rantoul	321.80	333.70	358.57	37.6	38.4	40.7	8.56	8.69	8.81
Chicago SMSA ³	320.73	371.30	365.82	37.6	39.5	39.0	8.53	9.40	9.38
Davenport—Rock Island—Moline	413.26	457.43	458.60	36.8	38.7	38.7	11.23	11.82	11.85
Decatur	453.86	470.34	463.34	39.5	40.2	39.4	11.49	11.70	11.76
Kankakee	252.19	310.90	306.06	36.8	37.1	37.6	7.94	8.38	8.14
Peoria	477.54	423.31	438.55	37.9	40.2	39.9	12.60	10.53	10.99
Rockford	367.35	378.40	375.20	35.3	40.0	40.0	9.36	9.46	9.38
Springfield	402.40	455.10	451.54	40.0	42.1	40.9	10.06	10.81	11.34
INDIANA ¹	369.74	398.59	399.59	38.0	40.1	39.8	9.73	9.94	10.04
Gary—Hammond—East Chicago ³	510.44	(*)	(*)	39.6	(*)	(*)	12.89	(*)	(*)
Indianapolis	382.30	(*)	(*)	39.3	(*)	(*)	9.72	(*)	(*)
IOWA ¹	361.61	391.61	390.82	36.6	39.2	39.2	9.88	9.99	9.97
Cedar Rapids	378.71	404.41	394.79	38.1	40.2	39.4	9.94	10.76	10.02
Des Moines	417.36	433.94	433.13	38.7	39.2	38.5	10.80	11.07	11.25

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1982P
IOWA—Continued									
Dubuque	\$327.33	\$411.05	\$364.49	37.0	39.6	38.9	\$8.84	\$10.38	\$9.37
Sioux City	287.55	362.98	392.08	37.2	39.8	41.8	7.73	9.12	9.38
Waterloo—Cedar Falls	453.95	479.30	487.13	34.6	38.1	38.6	13.12	12.58	12.62
KANSAS¹									
Topeka	345.47	355.51	347.90	40.5	38.6	38.4	8.53	9.21	9.06
Wichita	346.67	289.29	313.95	38.4	33.1	34.5	9.08	8.74	9.10
Wichita	386.46	411.67	393.09	41.6	40.8	40.4	9.29	10.09	9.73
KENTUCKY¹									
Lexington—Fayette	307.54	337.64	335.09	37.0	43.1	39.1	8.32	8.42	8.57
Louisville	315.13	364.42	361.38	36.6	41.6	39.8	8.61	8.76	9.08
Louisville	355.34	463.18	393.90	37.6	43.3	39.0	9.55	9.93	10.10
LOUISIANA¹									
Baton Rouge	335.35	401.38	383.53	35.6	42.7	42.1	9.42	9.40	9.11
Baton Rouge	433.17	482.03	474.33	37.7	43.0	40.3	11.49	11.21	11.77
New Orleans	308.25	383.80	376.88	33.8	40.7	40.7	9.12	9.43	9.26
Shreveport	255.93	332.20	319.02	31.2	39.5	39.0	8.33	8.41	8.18
MAINE¹									
Lewiston—Auburn	276.71	304.56	300.05	39.7	40.5	39.9	6.97	7.52	7.52
Lewiston—Auburn	214.54	239.98	232.79	37.2	39.6	38.4	5.77	6.06	6.06
Portland	265.34	299.30	284.25	38.4	39.8	37.9	6.91	7.52	7.50
MARYLAND									
Baltimore	326.48	363.31	353.70	37.8	40.1	39.3	8.69	9.06	9.00
Baltimore	348.71	393.71	383.36	38.3	41.4	40.1	9.11	9.51	9.56
MASSACHUSETTS									
Boston	285.32	314.80	307.72	39.1	40.0	39.3	7.31	7.87	7.83
Boston	308.11	337.50	332.28	39.2	39.8	39.0	7.86	8.48	8.52
Brockton	222.04	245.25	241.89	36.8	37.5	37.1	6.05	6.54	6.52
Fall River	207.79	219.37	212.44	36.2	36.2	34.6	5.74	6.06	6.14
Lawrence—Haverhill	286.06	313.61	308.50	38.5	39.9	39.2	7.43	7.86	7.87
Lowell	264.54	274.18	271.93	39.9	38.4	38.3	6.63	7.14	7.10
New Bedford	248.25	256.78	258.22	37.5	37.0	37.1	6.62	6.94	6.96
Springfield—Chicopee—Holyoke	253.35	323.87	318.76	40.8	41.1	40.4	7.19	7.88	7.89
Worcester	299.52	319.84	319.51	39.0	39.1	39.3	7.68	8.18	8.13
MICHIGAN¹									
Ann Arbor	425.24	466.11	467.49	38.8	41.3	41.1	10.97	11.29	11.37
Ann Arbor	464.75	507.91	492.05	40.8	44.4	43.1	11.40	11.45	11.43
Battle Creek	427.36	487.91	453.23	39.1	41.5	39.3	10.91	11.77	11.46
Bay City	378.95	393.16	406.50	40.0	40.3	41.8	9.47	9.75	9.72
Detroit	465.08	502.93	494.73	40.0	41.9	41.2	11.64	12.00	11.99
Flint	489.27	534.24	544.76	39.0	40.6	41.2	12.55	13.16	13.22
Grand Rapids	346.22	381.03	380.80	37.2	40.0	39.7	9.33	9.52	9.60
Jackson	399.39	391.71	388.28	40.6	41.5	40.8	9.83	9.43	9.53
Kalamazoo—Portage	382.50	428.37	432.14	38.1	40.9	40.9	10.05	10.46	10.56
Lansing—East Lansing	453.47	512.72	577.08	37.7	43.7	44.3	12.02	12.59	13.04
Muskegon—Norton Shores—Muskegon Heights	334.81	401.51	398.17	35.6	40.2	39.5	9.40	10.00	10.09
Saginaw	471.97	517.37	535.92	37.8	40.2	40.5	12.48	12.86	13.22
MINNESOTA¹									
Duluth—Superior	342.99	375.46	372.88	38.8	39.9	39.5	8.84	9.41	9.44
Duluth—Superior	336.34	364.94	360.43	39.2	38.7	37.9	8.58	9.43	9.51
Minneapolis—St. Paul	360.75	397.60	390.85	39.0	40.0	39.4	9.25	9.94	9.92
St. Cloud	251.16	308.84	295.57	34.5	37.3	36.4	7.28	8.28	8.12
MISSISSIPPI¹									
Jackson	180.52	261.85	258.72	28.7	40.1	39.2	6.29	6.53	6.60
Jackson	154.92	283.02	284.45	30.6	39.2	38.7	6.37	7.22	7.35
MISSOURI¹									
Kansas City	316.23	336.18	338.52	38.1	39.0	39.0	8.30	8.62	8.68
Kansas City	363.38	391.82	391.44	39.2	39.9	39.7	9.27	9.82	9.86
St. Joseph	294.35	309.26	307.10	37.7	37.9	37.0	7.80	8.16	8.30
St. Louis	364.33	382.78	383.13	38.8	38.9	38.7	9.39	9.84	9.90
Springfield	258.29	314.72	308.43	39.3	40.4	39.9	7.50	7.79	7.73
MONTANA¹									
.....	354.55	401.79	417.68	37.4	39.9	40.2	9.48	10.07	10.39
NEBRASKA¹									
Lincoln	334.11	344.00	344.66	40.4	40.0	39.3	8.27	8.60	8.77
Lincoln	313.96	344.80	333.10	37.6	40.0	38.2	8.35	8.62	8.72
Omaha	338.12	352.43	356.72	39.5	38.9	39.2	8.56	9.06	9.10
NEVADA									
Las Vegas	326.40	337.19	326.80	38.0	38.1	37.7	8.60	8.85	8.66
Las Vegas	457.55	416.62	(*)	38.9	38.9	(*)	11.77	10.71	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
NEW HAMPSHIRE	\$266.55	\$296.64	\$288.95	39.2	41.2	40.3	\$6.80	\$7.20	\$7.17
Manchester	246.72	284.81	283.63	39.1	41.7	40.2	6.31	6.83	6.98
Nashua	292.53	374.97	336.51	39.0	43.1	40.3	7.50	8.70	8.35
NEW JERSEY	332.64	361.75	359.33	39.6	40.6	40.1	8.40	8.91	8.96
Atlantic City	243.57	299.80	291.85	36.3	40.9	40.2	6.71	7.33	7.26
Camden ¹	332.74	380.14	376.25	39.1	40.7	40.5	8.51	9.34	9.29
Hackensack ²	283.62	319.20	311.98	38.3	39.8	38.9	7.40	8.02	8.02
Jersey City ³	318.72	353.73	355.02	39.3	39.7	39.8	8.11	8.91	8.92
New Brunswick—Perth Amboy—Sayreville ⁴	385.99	393.03	392.83	41.4	39.7	39.8	9.42	9.90	9.87
Newark ⁵	347.04	358.80	354.76	40.4	40.0	39.2	8.59	8.97	9.05
Paterson—Clifton—Passaic ⁶	300.29	328.60	318.84	39.1	39.4	38.6	7.68	8.34	8.26
Trenton	313.55	352.93	356.31	36.9	39.7	39.9	8.50	8.89	8.93
NEW MEXICO ¹	267.43	308.03	305.56	38.2	39.9	40.1	7.00	7.72	7.63
Albuquerque	278.19	322.78	322.40	37.9	39.8	40.0	7.34	8.11	8.06
NEW YORK ¹	310.33	337.90	334.66	38.1	39.2	38.6	8.16	8.62	8.67
Albany—Schenectady—Troy	330.51	361.90	353.63	39.3	40.8	39.6	8.41	8.87	8.93
Binghamton	293.85	315.65	308.74	40.7	41.1	40.2	7.22	7.68	7.68
Buffalo	382.13	439.56	435.24	37.1	40.7	40.3	10.30	10.80	10.80
Elmira	316.80	352.00	345.05	39.6	40.6	39.3	8.00	8.67	8.79
Monroe County	421.36	451.47	(*)	39.5	42.1	(*)	10.68	4.06	(*)
Nassau—Suffolk ²	306.54	337.20	326.54	39.0	40.0	39.2	7.86	8.43	8.33
New York—Northeastern New Jersey	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
New York and Nassau—Suffolk ³	275.55	330.89	298.28	37.1	37.6	37.1	7.43	8.00	8.04
New York SMSA ⁴	266.81	293.03	289.02	36.6	36.9	36.4	7.29	7.86	7.94
New York City ⁵	265.36	287.36	283.75	36.4	36.7	36.1	7.29	7.83	7.86
Poughkeepsie	335.38	371.95	365.50	42.4	43.3	42.5	7.91	8.59	8.60
Rochester	355.53	430.68	430.14	39.2	40.9	40.2	10.09	10.53	10.70
Rockland County ⁶	317.21	346.42	337.55	39.8	39.5	39.9	7.97	8.77	8.47
Syracuse	346.42	371.05	373.33	39.5	40.2	40.1	8.77	9.23	9.31
Utica—Rome	306.11	311.64	314.36	39.6	39.2	39.1	7.73	7.95	8.04
Westchester County ⁷	263.30	296.29	320.26	37.4	37.6	37.9	7.04	7.88	8.45
NORTH CAROLINA ¹	154.62	254.80	251.25	37.6	38.9	38.3	6.36	6.55	6.56
Asheville	197.18	253.29	242.56	32.7	39.7	37.9	6.03	6.38	6.40
Charlotte—Gastonia	165.38	264.52	262.42	29.1	40.2	39.7	6.36	6.58	6.61
Greensboro—Winston-Salem—High Point	216.59	276.53	271.06	31.0	38.3	37.7	6.99	7.22	7.19
Raleigh—Durham	232.04	306.09	294.90	31.7	39.7	38.6	7.32	7.71	7.64
NORTH DAKOTA ²	273.73	297.16	288.04	37.6	39.1	38.1	7.28	7.60	7.56
Fargo—Moorhead	287.83	330.54	303.38	39.7	42.0	39.4	7.25	7.87	7.70
OHIO ¹	387.53	417.18	416.12	39.3	40.7	40.4	9.86	10.25	10.30
Akron	352.69	418.50	426.57	40.4	41.6	42.4	9.72	10.06	10.07
Canton	380.33	411.33	407.31	38.2	39.1	38.8	9.95	10.52	10.49
Cincinnati	366.55	408.36	398.93	39.8	41.5	40.5	9.26	9.84	9.85
Cleveland	381.32	409.37	409.94	38.8	39.9	39.8	9.82	10.26	10.30
Columbus	357.37	387.59	383.04	39.5	40.5	39.9	9.06	9.57	9.60
Dayton	391.84	405.02	407.82	39.5	40.3	40.1	9.92	10.35	10.17
Toledo	420.33	452.10	455.13	39.7	41.1	41.3	10.58	11.00	11.02
Youngstown—Warren	456.64	484.00	489.62	39.1	40.3	40.7	11.73	12.01	12.03
OKLAHOMA ¹	335.09	357.01	359.20	39.1	39.8	40.0	8.57	8.97	8.98
Oklahoma City	347.70	364.77	377.60	39.2	38.6	40.0	8.87	9.45	9.44
Tulsa	364.80	382.57	378.49	40.0	39.4	38.7	9.12	9.71	9.78
OREGON ¹	366.75	393.40	(*)	37.5	37.9	(*)	9.78	10.38	(*)
Eugene—Springfield	370.52	(*)	(*)	36.3	(*)	(*)	10.21	(*)	(*)
Medford	352.28	360.91	(*)	38.4	38.6	(*)	9.20	9.35	(*)
Portland	379.31	402.88	(*)	38.4	37.9	(*)	9.87	10.63	(*)
Salem	353.07	332.79	(*)	36.2	35.9	(*)	9.77	9.27	(*)
PENNSYLVANIA	326.52	340.07	337.31	38.1	38.6	38.2	8.57	8.81	8.83
Allentown—Bethlehem—Easton	346.35	336.52	325.35	38.0	37.6	37.7	9.12	8.95	8.63
Allentown	281.56	279.37	276.74	38.1	37.2	37.6	7.39	7.51	7.36
Delaware Valley ¹	332.34	361.17	357.67	38.2	39.3	38.5	8.70	9.19	9.29
Erie	345.54	379.22	363.38	39.0	40.3	39.2	8.86	9.41	9.27
Harrisburg	317.46	332.43	332.82	39.0	38.7	38.7	8.14	8.59	8.60
Johnstown	308.48	294.94	300.71	34.7	36.1	36.1	8.89	8.17	8.33

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
PENNSYLVANIA—Continued									
Lancaster	\$287.25	\$306.78	\$316.65	37.6	38.3	38.9	\$7.64	\$8.01	\$8.14
Northeast Pennsylvania	246.86	267.75	259.49	36.9	37.5	36.6	6.69	7.14	7.09
Philadelphia SMSA	333.83	363.80	360.45	38.5	39.5	38.8	8.67	9.21	9.29
Pittsburgh	416.31	408.94	412.90	39.8	37.9	37.4	10.46	10.79	11.04
Reading	310.23	321.18	322.79	38.3	38.1	38.2	8.10	8.43	8.45
Williamsport	322.29	317.00	314.67	39.4	38.8	38.8	8.18	8.17	8.11
York	312.43	312.03	314.40	39.8	39.8	40.0	7.85	7.84	7.86
RHODE ISLAND¹									
Providence—Warwick—Pawtucket	241.32	268.77	263.55	37.6	39.7	38.7	6.41	6.77	6.81
	235.89	265.86	258.52	37.6	39.8	38.7	6.38	6.68	6.68
SOUTH CAROLINA¹									
Charleston—North Charleston	211.18	273.43	272.74	31.9	39.8	39.7	6.62	6.87	6.87
Columbia	294.71	356.99	326.27	39.4	42.6	39.5	7.48	8.38	8.26
Greenville—Spartanburg	200.55	261.23	253.11	31.7	39.7	39.0	6.33	6.58	6.49
	184.25	263.48	(*)	28.9	39.8	(*)	6.85	5.51	(*)
SOUTH DAKOTA¹									
Sioux Falls	309.39	302.81	302.19	41.6	40.7	40.4	7.43	7.44	7.48
	475.80	407.55	(*)	52.0	47.5	(*)	9.15	8.58	(*)
TENNESSEE¹									
Chattanooga	248.35	294.92	(*)	35.0	39.8	(*)	7.11	7.41	(*)
Knoxville	247.10	282.66	(*)	35.0	39.7	(*)	7.06	7.12	(*)
Memphis	296.53	339.44	340.63	35.1	39.7	39.7	8.45	8.55	8.58
Nashville—Davidson	256.32	329.67	319.16	37.7	40.7	39.5	7.86	8.10	8.08
	277.81	331.33	328.86	35.3	40.7	40.5	7.87	8.14	8.12
TEXAS¹									
Dallas—Fort Worth	323.29	359.16	356.00	37.9	41.0	40.5	8.53	8.76	8.79
Houston	292.94	353.33	348.13	35.9	40.8	40.2	8.16	8.66	8.66
San Antonio	426.38	438.90	434.93	42.3	42.0	40.8	10.08	10.45	10.66
	240.24	263.74	262.17	39.0	40.7	40.2	6.16	6.48	6.52
UTAH²									
Salt Lake City—Ogden	314.20	345.54	343.17	38.6	39.0	39.4	8.14	8.86	8.71
	309.29	351.28	347.94	39.3	40.1	40.6	7.87	8.76	8.57
VERMONT¹									
Burlington	282.30	299.02	300.99	39.1	39.5	39.5	7.22	7.57	7.62
Springfield	321.51	353.27	351.96	41.7	42.1	41.9	7.71	8.32	8.40
	308.97	301.80	295.12	40.6	38.3	37.5	7.61	7.88	7.87
VIRGINIA¹									
Bristol	254.33	298.62	293.67	35.1	39.5	39.0	7.26	7.56	7.53
Lynchburg	210.12	238.76	246.24	34.0	37.6	38.9	6.18	6.35	6.33
Norfolk—Virginia Beach—Portsmouth	250.58	268.84	265.13	35.9	37.6	37.5	6.98	7.15	7.07
Northern Virginia ^{1,2}	279.37	329.60	328.39	37.6	41.2	41.1	7.43	8.00	7.99
Petersburg—Colonial Heights—Hopewell	283.79	340.72	323.53	37.0	41.1	38.7	7.67	8.29	8.36
Richmond	324.35	362.09	356.07	34.4	37.6	37.6	9.42	9.63	9.47
Roanoke	253.80	375.20	370.36	32.9	38.8	38.7	8.93	9.67	9.57
	227.39	277.70	271.89	32.3	40.6	40.4	7.94	6.84	6.73
WASHINGTON									
Seattle—Everett	423.84	445.83	(*)	39.1	38.6	(*)	10.84	11.55	(*)
	447.32	(*)	(*)	39.7	(*)	(*)	11.26	(*)	(*)
WEST VIRGINIA¹									
Charleston	357.77	383.73	378.28	39.1	38.8	39.2	9.15	9.89	9.65
Huntington—Ashland	453.17	451.56	443.50	43.7	42.4	41.8	10.37	10.65	10.61
Parkersburg—Marietta	365.02	418.87	396.36	37.6	37.2	36.0	10.24	11.26	11.01
Wheeling	387.87	427.03	431.32	40.7	41.1	41.0	9.53	10.39	10.52
	405.99	447.82	411.29	39.0	40.6	39.7	10.41	11.03	10.36
WISCONSIN									
Appleton—Oshkosh	359.63	388.26	384.54	38.9	40.2	39.9	9.25	9.66	9.66
Green Bay	361.72	383.02	385.64	40.8	42.0	41.9	8.87	9.12	9.21
Janesville—Beloit	348.98	384.42	373.15	40.4	42.4	40.2	8.64	9.06	9.21
Kenosha	390.32	424.84	420.38	41.3	42.0	41.5	9.46	10.11	10.13
Madison	335.13	401.55	396.34	39.0	40.8	40.3	8.70	9.85	9.84
Milwaukee	375.93	486.58	459.58	35.0	41.7	39.9	10.73	11.68	11.51
Racine	323.41	347.68	335.98	39.0	40.7	39.0	8.29	8.54	8.62
	357.95	372.02	372.91	37.9	39.4	39.3	9.45	9.43	9.49
	401.28	428.52	425.34	39.3	39.9	39.7	10.22	10.73	10.71
	370.27	386.25	379.27	39.1	40.4	39.1	9.47	9.56	9.70
WYOMING²									
	326.98	298.89	298.29	39.3	36.9	36.2	8.32	8.10	8.24

See footnotes at end of table.

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

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
VIRGIN ISLANDS	\$429.33	\$434.26	(*)	44.0	43.6	(*)	\$9.77	\$9.96	(*)

¹ State and areas revised to March 1982 benchmarks; not strictly comparable with previously published data. The area exceptions are the Indiana areas; New York—Northeastern New Jersey, New York; the Oregon areas; Greenville—Spartanburg, S.C.; and Chattanooga, Knoxville, and Memphis, Tenn.

² State and areas based on March 1982 benchmarks.

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

⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁵ Subarea of New York—Northeastern New Jersey.

⁶ Subarea of Rochester Standard Metropolitan Statistical Area.

⁷ Area included in New York and Nassau—Suffolk combined SMSA's.

⁸ Subarea of New York Standard Metropolitan Statistical Area.

⁹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹⁰ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
ALABAMA	1,653.5	1,720.2	1,728.7	225.4	266.9	286.9	13.6	15.5	16.6
Birmingham	375.0	390.9	392.5	46.5	61.1	64.2	12.4	15.6	16.4
Huntsville	143.8	151.1	151.7	16.8	18.5	19.6	11.7	12.2	12.9
Mobile	184.1	195.6	196.8	20.5	30.0	31.8	11.1	15.4	16.2
Montgomery	120.6	125.6	123.8	12.4	15.1	16.3	10.3	12.0	13.2
Tuscaloosa	54.9	55.2	56.0	7.2	6.9	8.1	13.0	12.4	14.4
ALASKA	192.4	209.6	204.9	22.8	22.2	25.3	11.9	10.6	12.3
ARIZONA	1,280.4	1,350.1	1,331.4	101.3	141.5	148.1	7.9	10.5	11.1
Phoenix	787.0	824.7	812.2	50.0	69.8	72.6	6.4	8.5	8.9
Tucson	233.9	252.4	249.4	18.0	26.1	27.9	7.7	10.3	11.2
ARKANSAS	984.1	998.1	997.9	110.0	107.8	110.9	11.2	10.8	11.1
Fayetteville-Springdale	80.7	82.3	82.6	6.1	6.7	6.7	7.5	8.1	8.1
Fort Smith ¹	88.1	85.1	84.7	10.4	9.9	10.0	11.8	11.7	11.8
Little Rock—North Little Rock	191.8	197.4	195.6	15.0	16.5	15.9	7.8	8.3	8.1
Pine Bluff	37.4	37.2	37.0	4.0	3.9	3.8	10.8	10.5	10.3
CALIFORNIA²	11,940.7	12,304.9	12,234.4	1,120.3	1,354.0	1,433.7	9.4	11.0	11.7
Anaheim—Santa Ana—Garden Grove	N.A.	N.A.	1,216.4	N.A.	N.A.	102.4	N.A.	N.A.	8.4
Bakersfield	N.A.	N.A.	216.1	N.A.	N.A.	31.8	N.A.	N.A.	14.7
Fresno	N.A.	N.A.	289.2	N.A.	N.A.	49.2	N.A.	N.A.	17.0
Los Angeles—Long Beach ³	3,730.0	3,760.0	3,701.0	332.0	391.0	407.0	8.9	10.4	11.0
Modesto	N.A.	N.A.	140.8	N.A.	N.A.	31.0	N.A.	N.A.	22.0
Oxnard—Simi Valley—Ventura	N.A.	N.A.	269.5	N.A.	N.A.	31.3	N.A.	N.A.	11.6
Riverside—San Bernardino—Ontario	N.A.	N.A.	656.2	N.A.	N.A.	86.8	N.A.	N.A.	13.2
Sacramento	N.A.	N.A.	529.5	N.A.	N.A.	68.3	N.A.	N.A.	12.9
Salinas—Seaside—Monterey	N.A.	N.A.	144.8	N.A.	N.A.	25.9	N.A.	N.A.	17.9
San Diego	N.A.	N.A.	849.3	N.A.	N.A.	88.8	N.A.	N.A.	10.5
San Francisco—Oakland	N.A.	N.A.	1,790.6	N.A.	N.A.	172.3	N.A.	N.A.	9.6
San Jose	N.A.	N.A.	840.5	N.A.	N.A.	76.9	N.A.	N.A.	9.1
Santa Barbara—Santa Maria—Lompoc	N.A.	N.A.	165.4	N.A.	N.A.	15.7	N.A.	N.A.	9.5
Santa Rosa	N.A.	N.A.	150.7	N.A.	N.A.	18.0	N.A.	N.A.	11.9
Stockton	N.A.	N.A.	176.2	N.A.	N.A.	34.8	N.A.	N.A.	19.8
Vallejo—Fairfield—Napa	N.A.	N.A.	144.3	N.A.	N.A.	19.6	N.A.	N.A.	13.6
COLORADO	1,533.4	1,585.5	1,577.1	106.0	135.8	149.4	6.9	8.6	9.5
Denver—Boulder	915.1	942.1	938.5	53.3	68.8	74.5	5.8	7.3	7.9
CONNECTICUT	1,583.3	1,619.2	1,587.3	115.9	113.5	131.3	7.3	7.0	8.3
Bridgeport	192.0	195.9	190.7	15.4	15.5	19.0	8.0	7.9	9.9
Hartford	386.3	389.7	384.5	26.5	23.8	27.5	6.8	6.1	7.1
New Britain	73.9	72.9	71.8	6.4	6.3	6.8	8.6	8.6	9.5
New Haven—West Haven	194.5	201.4	195.8	13.8	14.1	16.5	7.1	7.0	8.5
Stamford	122.0	128.0	126.9	5.7	5.7	6.2	4.6	4.4	4.9
Waterbury	104.0	105.2	104.0	9.5	10.8	11.9	9.1	10.3	11.5
DELAWARE	286.7	295.0	287.2	34.1	22.0	24.2	11.9	7.5	8.4
Wilmington ¹	258.3	262.5	256.0	32.1	20.2	22.1	12.4	7.7	8.6
DISTRICT OF COLUMBIA	305.1	317.7	314.4	28.7	34.2	32.4	9.4	10.8	10.3
Washington SMSA ¹	N.A.	N.A.	1,659.3	N.A.	N.A.	96.9	N.A.	N.A.	5.8
FLORIDA²	4,481.8	4,797.7	4,783.4	343.6	454.8	498.6	7.7	9.5	10.4
Daytona Beach	107.2	115.1	115.1	7.9	9.8	11.0	7.4	8.5	9.6
Fort Lauderdale—Hollywood	476.7	499.0	498.6	28.6	39.1	45.5	6.0	7.8	9.1
Fort Myers—Cape Coral	98.4	106.7	107.2	6.8	9.4	10.7	6.9	8.8	10.0
Gainesville	74.5	77.5	76.5	3.0	4.4	5.1	4.0	5.7	6.7
Jacksonville	331.1	358.5	356.1	23.1	29.5	34.0	7.0	8.2	9.6
Lakeland—Winter Haven	150.3	156.8	155.7	18.0	23.1	25.1	12.0	14.7	16.2
Melbourne—Titusville—Cocoa	119.1	127.8	127.3	8.5	10.6	12.6	7.2	8.3	9.9
Miami	814.6	851.1	843.4	79.3	94.0	92.3	9.7	11.0	10.9
Orlando	368.3	409.1	410.3	25.7	32.0	36.0	7.0	7.8	8.8
Pensacola	117.7	130.4	131.6	7.8	12.5	14.0	6.6	9.6	10.7
Sarasota	79.9	85.4	85.2	5.3	7.5	7.9	6.6	8.7	9.2
Tallahassee	82.9	90.0	86.1	3.8	4.7	5.8	4.5	5.3	6.7
Tampa—St. Petersburg	698.6	754.4	753.9	47.5	66.6	74.8	6.8	8.8	9.9
West Palm Beach—Boca Raton	273.7	288.6	291.6	16.5	24.8	27.4	6.0	8.6	9.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
GEORGIA	2,590.2	2,670.1	2,621.3	219.5	209.0	215.1	8.5	7.8	8.2
Albany	52.5	52.5	52.1	4.2	4.7	5.1	8.0	8.9	9.8
Athens	65.3	65.4	65.4	5.0	4.5	4.7	7.7	6.9	7.2
Atlanta	1,063.1	1,110.2	1,092.3	72.9	72.3	74.7	6.9	6.5	6.8
Augusta	131.5	137.9	135.8	9.9	12.8	13.3	7.5	9.3	9.8
Columbus ¹	87.0	89.5	87.4	8.6	8.7	8.5	9.9	9.7	9.7
Macon	107.0	108.7	106.0	7.9	8.0	8.2	7.4	7.4	7.8
Savannah	96.8	99.1	99.3	6.7	8.5	10.6	6.9	8.6	10.7
HAWAII	450.7	457.4	458.5	30.2	30.1	25.7	6.7	6.6	5.6
Honolulu	345.3	351.3	351.2	21.3	20.1	17.3	6.2	5.7	4.9
IDAHO	420.0	428.2	433.6	48.4	41.8	56.1	11.5	9.8	12.9
Boise City	N.A.	N.A.	90.0	N.A.	N.A.	8.1	N.A.	N.A.	9.0
ILLINOIS²	5,505.3	5,544.1	5,583.6	556.9	699.0	755.8	10.1	12.6	13.5
Bloomington—Normal	61.7	62.5	61.5	4.2	5.5	6.0	6.8	8.7	9.8
Champaign—Urbana—Rantoul	81.7	84.4	81.3	4.3	5.4	6.1	5.2	6.4	7.5
Chicago	3,457.5	3,466.7	3,496.8	324.4	389.5	417.4	9.4	11.2	11.9
Davenport—Rock Island—Moline ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Decatur	63.1	64.3	64.1	7.7	11.4	12.1	12.3	17.7	18.9
Kankakee	41.3	40.6	41.1	6.6	7.8	8.5	15.9	19.2	20.8
Peoria	173.5	175.1	177.5	16.7	30.7	32.7	9.6	17.5	18.4
Rockford	135.3	133.6	135.0	15.3	22.7	27.9	11.3	17.0	20.7
Springfield	97.9	98.4	99.9	8.0	9.6	10.0	8.2	9.8	10.0
INDIANA	2,601.4	2,575.5	2,583.0	337.9	330.9	357.5	13.0	12.8	13.8
Anderson	57.4	53.7	54.9	11.1	8.6	9.7	19.3	15.9	17.6
Elkhart	68.4	68.5	68.8	9.1	7.3	7.7	13.3	10.7	11.1
Evansville ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fort Wayne	189.7	185.1	185.1	25.0	22.3	25.0	13.2	12.1	13.5
Gary—Hammond—East Chicago	287.2	285.6	285.4	41.3	51.3	51.3	14.4	18.0	18.0
Indianapolis	593.4	600.0	599.3	58.2	58.8	65.2	9.8	9.8	10.9
Lafayette—West Lafayette	63.7	64.1	63.5	4.7	5.1	5.2	7.3	8.0	8.2
Muncie	57.6	55.5	55.8	8.8	7.9	9.0	15.3	14.3	16.1
South Bend	140.1	138.7	138.7	15.5	14.4	16.1	11.0	10.4	11.6
Terre Haute	82.5	79.2	80.8	11.3	10.0	12.5	13.8	12.6	15.5
IOWA	1,367.9	1,377.8	1,399.6	134.9	127.6	152.2	9.9	9.3	10.9
Cedar Rapids	85.7	83.7	84.2	8.2	8.2	9.2	9.6	9.8	10.9
Des Moines	181.3	182.1	184.9	15.4	13.9	16.0	8.5	7.6	8.7
Dubuque	43.4	41.9	42.8	8.5	6.0	8.7	19.6	14.3	20.5
Sioux City ¹	53.6	53.8	N.A.	4.3	4.2	N.A.	8.1	7.9	N.A.
Waterloo—Cedar Falls	66.8	66.5	66.1	6.8	8.3	8.9	10.1	12.5	13.4
KANSAS	1,157.7	1,167.4	1,181.4	58.8	81.7	90.0	5.1	7.0	7.6
Lawrence	33.3	33.9	34.2	1.5	1.5	1.7	4.4	4.5	5.1
Topeka	93.9	93.8	96.4	6.1	6.8	7.6	6.5	7.3	7.9
Wichita	223.3	222.3	221.8	10.9	21.4	24.0	4.9	9.6	10.8
KENTUCKY	1,638.6	1,682.1	1,672.7	181.2	197.0	207.7	11.1	11.7	12.4
Lexington—Fayette	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Louisville ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Owensboro	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
LOUISIANA	1,816.7	1,855.0	1,811.8	170.2	215.4	203.9	9.4	11.6	11.3
Alexandria	71.3	74.1	72.5	8.7	9.1	8.9	12.2	12.3	12.3
Baton Rouge	222.3	232.5	227.0	18.5	22.4	21.2	8.3	9.6	9.4
Lafayette	95.4	101.2	99.5	3.9	6.4	6.3	4.1	6.3	6.3
Lake Charles	78.3	74.3	72.9	9.4	10.9	10.2	12.0	14.7	14.0
Monroe	55.8	58.3	55.9	6.3	7.0	6.8	11.4	12.0	12.1
New Orleans	505.8	513.4	505.8	41.4	51.4	48.5	8.2	10.0	9.6
Shreveport	160.2	163.3	158.3	14.4	20.3	17.7	9.0	12.5	11.2
MAINE	494.9	504.9	495.3	46.3	41.9	49.4	9.4	8.3	10.0
Lewiston—Auburn	38.5	37.7	37.4	3.9	3.1	4.1	10.0	8.3	11.0
Portland	92.2	96.2	94.4	6.0	5.9	6.6	6.5	6.2	6.9
MARYLAND	2,135.1	2,165.8	2,099.5	199.7	181.5	190.1	9.4	8.4	9.1
Baltimore	1,068.8	1,072.5	1,042.0	111.7	104.9	105.8	10.4	9.8	10.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
MASSACHUSETTS¹	2,986.2	2,989.4	2,975.1	237.8	212.7	258.0	8.0	7.1	8.7
Boston	1,448.0	1,459.8	1,451.6	98.7	83.1	102.0	6.8	5.7	7.0
Brockton	81.8	80.8	81.9	7.6	6.4	7.9	9.3	7.9	9.7
Fall River ¹	76.7	76.1	74.8	9.1	8.3	10.1	11.8	11.0	13.5
Lawrence—Haverhill ¹	150.7	147.3	146.6	13.0	12.7	14.6	8.6	8.6	9.9
Lowell	132.3	133.2	132.2	8.7	7.9	9.1	6.6	5.9	6.9
New Bedford	86.6	85.6	86.3	11.9	10.9	11.3	13.8	12.7	13.1
Springfield—Chicopee—Holyoke	290.5	288.2	285.5	23.4	20.5	24.7	8.1	7.1	8.6
Worcester	202.3	204.0	201.7	16.0	17.7	20.4	7.9	8.7	10.1
MICHIGAN²	4,217.7	4,297.2	4,260.5	675.8	741.4	724.6	16.0	17.3	17.0
Ann Arbor	141.1	138.3	N.A.	15.6	16.6	N.A.	11.1	12.0	N.A.
Battle Creek	78.3	82.0	N.A.	11.0	14.2	N.A.	14.1	17.3	N.A.
Bay City	50.9	53.3	N.A.	7.8	9.5	N.A.	15.3	17.9	N.A.
Benton Harbor	69.3	70.3	N.A.	11.7	13.4	N.A.	16.9	19.0	N.A.
Detroit	1,967.1	2,007.7	N.A.	324.1	356.7	N.A.	16.5	17.8	N.A.
Flint	226.9	220.9	N.A.	49.8	49.0	N.A.	22.0	22.2	N.A.
Grand Rapids	318.5	327.4	N.A.	40.9	41.3	N.A.	12.8	12.6	N.A.
Jackson	66.3	66.3	N.A.	10.9	13.1	N.A.	16.4	19.8	N.A.
Kalamazoo—Portage	134.3	137.6	N.A.	15.1	17.5	N.A.	11.2	12.7	N.A.
Lansing—East Lansing	232.6	241.3	N.A.	27.3	29.6	N.A.	11.7	12.3	N.A.
Muskegon—Norton Shores—Muskegon Heights	77.5	77.8	N.A.	13.8	15.3	N.A.	17.8	19.6	N.A.
Saginaw	97.9	99.5	N.A.	16.9	18.5	N.A.	17.3	18.6	N.A.
MINNESOTA	2,093.5	2,129.0	2,100.7	155.9	185.7	217.9	7.4	8.7	10.4
Duluth—Superior ¹	111.9	115.4	N.A.	13.7	22.9	N.A.	12.2	19.9	N.A.
Minneapolis—St. Paul	1,139.4	1,168.7	N.A.	63.9	80.3	N.A.	5.6	6.9	N.A.
Rochester	56.2	57.9	N.A.	3.0	3.4	N.A.	5.4	6.0	N.A.
St. Cloud	73.4	74.7	N.A.	7.1	6.9	N.A.	9.6	9.2	N.A.
MISSISSIPPI	1,028.7	1,050.8	1,032.0	111.9	124.1	125.7	10.9	11.8	12.2
Jackson	155.4	162.0	156.9	11.2	12.0	11.9	7.2	7.4	7.6
MISSOURI	2,263.4	2,328.2	2,210.3	219.0	218.5	240.9	9.7	9.4	10.9
Kansas City ¹	667.7	672.2	653.6	53.3	54.9	60.6	8.0	8.2	9.3
St. Joseph	44.4	46.1	44.3	5.0	4.4	5.1	11.2	9.5	11.5
St. Louis ¹	N.A.	N.A.	1,093.4	N.A.	N.A.	125.2	N.A.	N.A.	11.4
Springfield	105.0	112.9	105.6	7.7	8.9	9.5	7.3	7.8	9.0
MONTANA	366.9	387.8	384.7	33.4	38.1	41.9	9.1	9.8	10.9
NEBRASKA	756.0	768.0	777.4	45.9	51.4	61.6	6.1	6.7	7.9
Lincoln	108.1	109.2	N.A.	5.4	6.0	N.A.	5.0	5.5	N.A.
Omaha ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEVADA	466.2	489.3	484.0	44.0	56.2	59.7	9.4	11.5	12.3
Las Vegas	261.8	275.0	272.1	25.2	33.8	33.4	9.6	12.3	12.3
Reno	127.8	133.9	132.6	10.3	12.3	14.8	8.1	9.2	11.2
NEW HAMPSHIRE	476.7	486.5	485.9	32.7	37.3	41.3	6.9	7.7	8.5
Manchester	83.3	85.6	86.4	6.4	5.9	7.1	7.7	6.8	8.3
Nashua	81.0	85.1	85.3	4.3	5.3	6.0	5.4	6.2	7.1
NEW JERSEY	3,567.0	3,608.0	3,584.3	350.9	318.3	321.5	9.8	8.8	9.0
Atlantic City	113.8	119.4	119.0	12.9	12.2	12.1	11.4	10.2	10.1
Jersey City	244.3	240.3	238.2	35.4	32.7	33.3	14.5	13.6	14.0
Long Branch—Asbury Park	241.4	246.6	245.1	23.3	19.4	21.9	9.7	7.9	8.9
New Brunswick—Perth Amboy—Sayreville	329.4	333.6	332.4	27.6	26.3	27.6	8.4	7.9	8.3
Newark	969.4	979.2	972.3	93.5	82.5	83.1	9.6	8.4	8.5
Paterson—Clifton—Passaic	209.8	212.6	211.5	24.1	22.4	23.2	11.5	10.5	11.0
Trenton	157.2	158.6	158.0	12.6	13.2	12.2	8.0	8.3	7.7
Vineland—Millville—Bridgeton	58.9	58.3	57.0	10.5	10.1	9.1	17.9	17.4	16.0
NEW MEXICO	572.8	596.5	592.0	47.6	58.4	62.6	8.3	9.8	10.6
Albuquerque	211.3	222.2	220.8	17.0	18.5	19.8	8.1	8.3	9.0
Las Cruces	36.2	38.8	37.8	2.8	3.6	3.7	7.8	9.2	9.8

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
NEW YORK¹	7,981.1	7,872.9	7,902.9	680.9	673.8	755.1	8.5	8.6	9.6
Albany—Schenectady—Troy.....	376.2	369.1	371.5	27.4	26.8	31.6	7.3	7.3	8.5
Binghamton ¹	142.1	139.2	140.3	10.7	11.7	13.4	7.5	8.4	9.5
Buffalo.....	558.6	542.5	541.4	69.5	70.1	79.5	12.4	12.9	14.7
Elmira.....	39.2	37.3	37.5	3.6	4.6	5.1	9.2	12.3	13.5
Nassau-Suffolk.....	1,323.6	1,327.9	1,336.3	85.4	80.9	95.2	6.5	6.1	7.1
New York.....	3,642.8	3,582.8	3,597.7	314.5	303.7	323.0	8.6	8.5	9.0
New York City ²	3,034.0	2,967.0	2,974.0	281.0	270.0	284.0	9.3	9.1	9.6
Poughkeepsie.....	112.2	113.2	112.2	6.8	6.5	7.9	6.0	5.8	7.0
Rochester.....	475.5	470.3	475.9	33.3	38.1	46.7	7.0	8.1	9.8
Syracuse.....	299.0	298.6	298.6	23.6	25.1	30.2	7.9	8.4	10.1
Utica—Rome.....	135.1	132.0	131.2	12.0	13.2	14.9	8.9	10.0	11.3
NORTH CAROLINA	2,878.0	2,926.5	2,891.4	253.0	261.2	288.8	8.8	8.9	10.0
Asheville.....	87.1	90.3	89.9	7.4	7.6	8.2	8.5	8.4	9.1
Charlotte—Gastonia.....	369.2	383.6	381.0	23.0	25.6	28.0	6.2	6.7	7.4
Greensboro—Winston-Salem—High Point.....	440.3	457.2	454.0	31.5	35.3	38.1	7.2	7.7	8.4
Raleigh—Durham.....	307.8	325.2	318.0	13.4	14.0	15.1	4.4	4.3	4.7
NORTH DAKOTA	287.6	299.0	299.9	19.9	19.5	28.3	6.9	6.5	9.4
Fargo—Moorehead ¹	69.7	72.3	71.2	4.6	4.1	5.0	6.6	5.6	7.0
OHIO³	5,040.4	5,058.3	4,941.8	599.2	713.9	738.3	11.9	14.1	14.9
Akron.....	300.5	304.5	296.4	34.2	41.6	44.5	11.4	13.7	15.0
Canton.....	187.5	191.0	186.5	23.8	32.0	33.4	12.7	16.8	17.9
Cincinnati ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cleveland.....	916.5	921.5	895.4	85.6	114.3	118.4	9.3	12.4	13.2
Columbus.....	560.0	564.0	547.7	48.3	51.8	55.2	8.6	9.2	10.1
Dayton.....	389.5	385.3	375.5	40.1	46.8	47.8	10.3	12.1	12.7
Toledo ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Youngstown—Warren.....	233.3	234.2	226.9	36.8	51.1	48.4	15.8	21.8	21.3
OKLAHOMA	1,452.8	1,458.5	1,424.4	67.9	99.6	109.1	4.7	6.8	7.7
Enid.....	31.7	30.4	29.7	1.1	1.9	2.0	3.3	6.1	6.7
Lawton.....	34.8	34.6	33.8	1.4	1.9	1.9	3.9	5.4	5.7
Oklahoma City.....	449.5	456.4	445.1	20.8	22.4	25.3	4.6	4.9	5.7
Tulsa.....	353.4	348.0	340.9	14.5	26.1	28.6	4.1	7.5	8.4
OREGON	1,297.8	1,295.3	1,307.0	164.2	153.1	177.2	12.7	11.8	13.6
Eugene—Springfield.....	131.9	128.1	134.2	18.9	15.9	19.6	14.3	12.4	14.6
Medford.....	62.3	62.8	62.8	10.5	8.4	9.9	16.8	13.4	15.8
Portland ¹	606.2	601.0	655.6	46.0	47.2	77.6	7.6	7.8	11.8
Salem.....	120.9	120.3	121.2	14.8	14.2	15.9	12.3	11.8	13.1
PENNSYLVANIA⁴	5,418.3	5,514.2	5,407.4	641.4	690.9	804.5	11.8	12.5	14.9
Allentown—Bethlehem—Easton ¹	308.2	310.2	304.6	36.3	38.9	46.3	11.8	12.5	15.2
Altoona.....	57.2	56.9	57.1	10.2	9.6	11.3	17.8	16.9	19.8
Erie.....	124.1	129.7	125.3	14.7	21.1	22.7	11.9	16.3	18.1
Harrisburg.....	230.9	236.3	228.8	20.8	16.9	22.5	9.0	7.1	9.8
Johnstown.....	106.8	107.4	106.5	19.0	23.9	26.4	17.8	22.3	24.8
Lancaster.....	181.4	184.0	178.6	17.8	14.6	17.0	9.8	8.0	9.5
Northeast Pennsylvania.....	285.8	288.8	282.0	38.5	37.2	40.4	13.5	12.9	14.3
Philadelphia ¹	2,154.6	2,201.2	2,151.0	205.4	189.5	213.1	9.5	8.6	9.9
Pittsburgh.....	1,030.2	1,038.8	1,023.4	118.1	157.7	180.5	11.5	15.2	17.6
Reading.....	157.9	160.2	155.7	18.7	17.3	19.9	11.8	10.8	12.8
Sharon.....	55.3	53.2	54.8	9.0	10.5	13.1	16.3	19.7	23.9
State College.....	50.0	50.4	51.1	5.1	5.6	7.0	10.2	11.0	13.7
Williamsport.....	51.9	53.5	52.5	7.4	9.0	8.9	14.2	16.8	16.9
York.....	180.6	182.2	182.8	21.9	21.2	29.5	12.1	11.6	16.1
RHODE ISLAND	472.3	481.2	481.8	45.2	48.1	58.9	9.6	10.0	12.2
Providence—Warwick—Pawtucket ¹	472.0	472.0	478.4	45.4	47.5	60.4	9.6	10.1	12.6
SOUTH CAROLINA	1,429.7	1,469.3	1,472.2	151.5	160.4	171.1	10.6	10.9	11.6
Charleston—North Charleston.....	173.7	178.1	177.7	14.7	14.4	16.0	8.5	8.1	9.0
Columbia.....	191.6	198.2	198.0	12.7	13.4	14.6	6.6	6.8	7.4
Greenville—Spartanburg.....	289.8	292.5	292.9	28.5	30.7	32.6	9.8	10.5	11.1
SOUTH DAKOTA	309.7	315.9	312.0	19.6	18.8	24.1	6.3	6.0	7.7
Sioux Falls.....	61.6	63.1	63.1	3.5	3.0	4.0	5.6	4.8	6.4
TENNESSEE	2,097.2	2,113.1	2,111.5	257.0	269.1	288.4	12.3	12.7	13.7
Chattanooga ¹	N.A.	N.A.	196.0	N.A.	N.A.	21.4	N.A.	N.A.	10.9
Knoxville.....	227.3	232.1	230.4	20.2	23.6	26.4	8.9	10.1	11.5
Memphis ¹	N.A.	N.A.	395.9	N.A.	N.A.	42.1	N.A.	N.A.	10.6
Nashville—Davidson.....	434.3	442.9	435.5	37.1	40.8	42.9	8.6	9.2	9.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P	JAN. 1982	DEC. 1982	JAN. 1983P
TEXAS*	7,169.3	7,495.4	7,589.1	426.1	556.9	645.7	5.9	7.4	8.5
Abilene	75.9	77.9	79.4	3.1	3.5	4.0	4.1	4.5	5.1
Amarillo	91.2	98.0	98.4	6.6	5.5	5.7	7.3	5.6	5.8
Austin	286.7	306.7	306.1	14.7	13.6	14.3	5.1	4.4	4.7
Beaumont—Port Arthur—Orange	182.7	184.5	188.4	14.7	24.3	28.0	8.1	13.2	14.9
Corpus Christi	159.5	165.4	168.7	10.1	13.6	16.1	6.4	8.3	9.5
Dallas—Fort Worth	1,637.7	1,730.2	1,742.1	87.7	90.8	105.5	5.4	5.2	6.1
El Paso	187.2	192.8	195.9	17.1	22.0	26.0	9.2	11.4	13.3
Galveston—Texas City	86.4	91.3	93.0	7.4	11.4	12.9	8.6	12.4	13.9
Houston	1,714.6	1,779.9	1,809.4	79.6	141.0	164.4	4.6	7.9	9.1
Longview—Marshall	77.4	80.4	81.5	5.2	9.2	10.2	6.8	11.4	12.5
Lubbock	101.9	108.0	107.3	4.4	4.8	6.1	4.3	4.5	5.7
Midland	64.2	63.6	65.4	3.6	2.9	3.7	5.6	4.5	5.6
Odessa	78.1	71.6	73.0	3.5	4.8	6.0	4.5	6.7	8.2
San Angelo	46.3	47.3	47.5	2.1	2.2	2.4	4.5	4.6	5.1
San Antonio	456.5	475.9	483.8	27.7	27.0	32.5	6.1	5.7	6.7
Sherman—Denison	40.2	39.9	40.2	3.1	3.9	4.0	7.6	9.6	10.0
Waco	81.6	85.3	85.6	4.8	5.6	5.8	5.9	6.6	6.8
Wichita Falls	66.7	66.9	67.7	3.4	4.8	5.4	5.0	7.2	8.0
UTAH	647.5	671.6	663.8	50.5	58.3	64.6	7.8	8.7	9.7
Salt Lake City—Ogden	426.2	440.5	435.4	32.3	36.3	39.2	7.6	8.2	9.0
VERMONT	258.4	266.4	261.0	17.3	19.3	20.8	6.7	7.2	8.0
Burlington	67.8	70.4	67.9	3.5	4.0	4.1	5.2	5.6	6.1
VIRGINIA	2,576.0	2,661.3	2,665.1	197.8	216.2	239.9	7.7	8.1	9.0
Lynchburg	N.A.	N.A.	77.5	N.A.	N.A.	7.7	N.A.	N.A.	10.0
Newport News—Hampton	N.A.	N.A.	172.5	N.A.	N.A.	12.7	N.A.	N.A.	7.4
Norfolk—Virginia Beach—Portsmouth ¹	N.A.	N.A.	347.5	N.A.	N.A.	27.1	N.A.	N.A.	7.8
Petersburg—Colonial Heights—Hopewell	N.A.	N.A.	60.5	N.A.	N.A.	7.7	N.A.	N.A.	12.6
Richmond	N.A.	N.A.	343.0	N.A.	N.A.	21.0	N.A.	N.A.	6.1
Roanoke	N.A.	N.A.	115.2	N.A.	N.A.	10.2	N.A.	N.A.	8.8
WASHINGTON	1,963.5	2,003.7	2,039.2	244.9	261.0	271.1	12.5	13.0	13.3
Seattle—Everett	867.7	888.6	904.1	83.2	95.4	96.6	9.6	10.7	10.7
Spokane	149.4	152.7	153.6	19.5	19.1	20.4	13.1	12.5	13.3
Tacoma	181.5	186.4	190.0	21.8	25.4	26.2	12.0	13.6	13.8
WEST VIRGINIA	768.5	778.1	770.2	104.0	132.4	157.5	13.5	17.0	20.4
Charleston	122.7	122.8	121.1	13.2	14.1	17.5	10.7	11.5	14.4
Huntington—Ashland ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Parkersburg—Marietta ¹	N.A.	N.A.	73.0	N.A.	N.A.	11.8	N.A.	N.A.	16.2
Wheeling ¹	N.A.	N.A.	82.1	N.A.	N.A.	15.6	N.A.	N.A.	19.0
WISCONSIN	2,381.7	2,438.5	2,419.2	250.0	290.8	324.3	10.5	11.9	13.4
Appleton—Oshkosh	148.2	152.9	151.3	14.7	18.2	19.8	9.9	11.9	13.1
Eau Claire	58.8	62.0	59.8	6.1	7.6	7.4	10.4	12.2	12.4
Green Bay	90.5	94.9	94.3	8.5	9.0	10.3	9.4	9.5	10.9
Janeville—Beloit	70.8	71.0	72.2	12.5	8.6	11.1	17.7	12.1	15.3
Kenosha	60.1	62.3	60.9	8.2	7.9	8.1	13.6	12.6	13.3
La Crosse	49.5	51.9	50.7	4.6	4.9	5.4	9.2	9.4	10.6
Madison	184.5	191.2	187.7	12.9	13.4	15.2	7.0	7.0	8.1
Milwaukee	717.8	734.7	725.3	63.1	87.5	94.0	8.8	11.9	13.0
Racine	85.1	86.7	86.2	11.9	16.4	17.2	14.0	18.9	19.9
WYOMING	241.6	248.7	244.3	12.4	19.7	24.3	5.1	7.9	9.9

¹ Includes interstate portion of area located in adjacent State.

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

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

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

Seasonally adjusted constant-dollar earnings series have been revised to reflect seasonal experience in the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) through December 1982. This revision affected constant-dollar earnings data from January 1967 through December 1982.

Seasonally adjusted average weekly earnings in constant 1977 dollars appear currently in table C-8. They are also published along with average hourly earnings in 1977 dollars in the Real Earnings news release.

Revised seasonally adjusted real earnings series of production or nonsupervisory workers¹ on private nonagricultural payrolls

Real average hourly earnings (1977 dollars)

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$4.54	\$4.56	\$4.57	\$4.58	\$4.59	\$4.59	\$4.61	\$4.65	\$4.65	\$4.61	\$4.64	\$4.65
1965.....	4.64	4.68	4.71	4.69	4.71	4.69	4.72	4.74	4.73	4.76	4.77	4.75
1966.....	4.76	4.75	4.76	4.77	4.78	4.79	4.79	4.77	4.80	4.79	4.81	4.81
1967.....	4.83	4.83	4.84	4.85	4.84	4.86	4.88	4.88	4.86	4.87	4.88	4.88
1968.....	4.90	4.90	4.93	4.95	4.95	4.97	4.96	4.97	4.98	4.98	4.99	5.01
1969.....	5.01	5.03	5.00	5.02	5.03	5.04	5.03	5.04	5.02	5.04	5.05	5.03
1970.....	5.02	5.02	5.03	5.01	5.02	5.03	5.05	5.06	5.05	5.02	5.04	5.05
1971.....	5.08	5.10	5.14	5.14	5.16	5.15	5.15	5.18	5.17	5.19	5.19	5.21
1972.....	5.30	5.29	5.32	5.34	5.35	5.33	5.35	5.38	5.39	5.41	5.40	5.43
1973.....	5.42	5.41	5.39	5.40	5.37	5.38	5.42	5.33	5.35	5.33	5.33	5.31
1974.....	5.27	5.24	5.22	5.20	5.22	5.25	5.22	5.21	5.19	5.18	5.13	5.13
1975.....	5.11	5.10	5.11	5.10	5.11	5.11	5.08	5.11	5.11	5.09	5.10	5.09
1976.....	5.10	5.12	5.14	5.15	5.17	5.18	5.18	5.20	5.20	5.20	5.22	5.23
1977.....	5.22	5.21	5.22	5.22	5.23	5.24	5.25	5.24	5.25	5.27	5.27	5.26
1978.....	5.28	5.29	5.29	5.31	5.30	5.29	5.29	5.29	5.28	5.28	5.27	5.27
1979.....	5.27	5.25	5.23	5.17	5.17	5.15	5.13	5.10	5.09	5.05	5.03	5.02
1980.....	4.97	4.95	4.92	4.90	4.88	4.87	4.90	4.89	4.87	4.88	4.87	4.85
1981.....	4.86	4.86	4.86	4.86	4.85	4.85	4.82	4.83	4.80	4.80	4.81	4.80
1982.....	4.83	4.83	4.85	4.86	4.85	4.81	4.81	4.81	4.79	4.80	4.82	4.85

Real average weekly earnings (1977 dollars)

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$174.34	\$176.46	\$176.80	\$177.67	\$177.64	\$177.64	\$178.38	\$179.90	\$178.50	\$178.44	\$179.59	\$180.93
1965.....	180.58	181.62	183.20	182.01	182.81	181.65	182.73	182.99	182.18	184.24	184.64	184.41
1966.....	184.33	184.96	184.86	184.43	184.33	184.71	185.07	184.04	184.67	184.35	184.57	184.57
1967.....	185.64	183.85	184.07	183.96	184.10	184.81	185.03	185.53	184.53	184.73	185.58	185.12
1968.....	184.81	185.81	186.33	186.02	187.51	188.18	187.86	188.02	188.84	188.35	187.68	188.31
1969.....	189.32	188.95	188.51	189.13	190.27	189.55	189.75	190.05	189.43	189.53	189.32	189.21
1970.....	187.90	187.89	187.67	186.30	186.88	186.66	187.74	187.81	186.00	185.35	185.91	186.19
1971.....	187.31	188.13	189.53	189.52	190.33	190.03	188.99	191.09	189.26	191.62	192.12	192.90
1972.....	195.61	195.56	196.90	198.23	197.41	197.37	197.33	198.37	199.39	200.67	199.80	199.73
1973.....	199.63	200.11	200.01	200.17	198.76	199.23	200.71	196.66	197.36	196.24	197.20	195.56
1974.....	193.48	192.94	191.63	189.33	191.73	192.05	191.09	190.04	189.80	188.48	185.68	185.34
1975.....	184.47	183.23	182.90	182.98	183.39	183.87	182.83	184.84	185.02	184.19	184.76	184.66
1976.....	185.24	186.02	185.38	185.76	187.02	187.39	187.54	187.57	187.20	187.35	188.07	188.41
1977.....	186.95	188.25	187.87	188.00	188.85	188.47	188.96	188.57	189.06	189.73	189.15	188.93
1978.....	187.46	188.27	189.80	191.09	190.14	189.88	189.81	189.75	188.97	189.03	188.64	188.74
1979.....	188.13	187.40	187.06	182.56	184.40	183.89	183.10	182.17	181.54	179.72	178.99	178.70
1980.....	176.89	175.60	173.83	172.93	171.82	170.98	171.40	171.54	171.92	172.09	172.01	171.31
1981.....	173.06	171.03	171.66	172.18	171.86	170.69	170.07	169.87	167.94	168.44	168.93	168.02
1982.....	166.15	169.16	169.12	169.69	169.78	167.93	167.76	167.40	166.77	166.53	167.17	168.61

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.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage,

sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

Employment

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

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

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

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates From Household and Payroll Surveys." *Monthly Labor Review*. December 1969.

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this report. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or

who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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

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

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new job within 30 days.

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

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

longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, ethnic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

Not in the labor force includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home housework, in school, unable to work because of long-

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

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

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

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were paid for the holiday. For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job.

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

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

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

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

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

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

Major activity: Going to school and *Major activity: Other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. These statistics are published in table A-6 for 16- to 21-year-olds by employment status, race and sex, and if unemployed, whether seeking full-or part-time work.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

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

The *metropolitan areas* classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 decennial census and does not include any subsequent additions or changes. *Nonmetropolitan areas* refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

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

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

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

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

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

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

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.

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

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

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

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

Changes in the occupational and industrial classification system.

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

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

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

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

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

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included

in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500—1,000	3,000—3,500
Feb. 1954 to Apr. 1956	230	21,000	500—1,000	3,000—3,500
May 1956 to Dec. 1959	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to present	629	57,800	2,500	11,000

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

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

respondents for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and, within these, for six groups—two race categories (white, and black and other) within three residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, the urban, and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacations, etc.

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

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

estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS under-coverage relative to the decennial census, is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, use Report 640 of that series. A description of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

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

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

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

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

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

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

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

sent all sample households and all persons within sample households (undercoverage).

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

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

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

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

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly

level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	255	195
Employed	277	209
Unemployed	155	146
Men, 20 years and over:		
Civilian labor force	151	130
Employed	170	150
Unemployed	112	105
Women, 20 years and over:		
Civilian labor force	177	128
Employed	179	135
Unemployed	93	92
Both sexes, 16 to 19 years:		
Civilian labor force	81	86
Employed	86	97
Unemployed	67	71
Black, 16 years and over:		
Civilian labor force	61	49
Employed	87	66
Unemployed	75	75
Men, 20 years and over:		
Civilian labor force	23	17
Employed	49	43
Unemployed	53	56
Women, 20 years and over:		
Civilian labor force	60	38
Employed	63	46
Unemployed	48	51
Both sexes, 16 to 19 years:		
Civilian labor force	33	36
Employed	30	35
Unemployed	34	34

Table C. Standard errors for unemployment rates by major characteristics

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

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

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

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or

percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

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

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

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. The approximate standard errors of levels, rates, and percentages involving year-to-year change of

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

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from tables F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point. The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to

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

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

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

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

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

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80	-	87	66	93	88
6,000	146	116	94	86	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	61	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

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

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

(In thousands)

Estimated monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years
50	8	8	13	13	12	13	12	12
100	11	11	18	18	16	18	17	18
500	25	25	39	34	37	40	38	35
1,000	36	35	54	36	51	54	52	37
2,000	50	47	72	-	72	70	69	-
4,000	70	62	88	-	99	78	85	-
6,000	86	70	88	-	118	60	87	-
8,000	98	73	71	-	132	-	-	-
10,000	109	71	-	-	143	-	-	-
15,000	131	42	-	-	160	-	-	-
20,000	148	-	-	-	165	-	-	-
30,000	174	-	-	-	-	-	-	-
40,000	191	-	-	-	-	-	-	-
50,000	203	-	-	-	-	-	-	-
60,000	210	-	-	-	-	-	-	-
70,000	212	-	-	-	-	-	-	-
80,000	211	-	-	-	-	-	-	-
100,000	193	-	-	-	-	-	-	-
120,000	153	-	-	-	-	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	8.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

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

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

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

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

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

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	-	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (B and C tables)

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

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

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

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

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

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

Overtime hours covers hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded. *Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers

paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

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

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

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

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

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in hours 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.

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

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No 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 1977. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher 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 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime hours divided by number of production workers. ²	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.

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

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are

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

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1981 levels. Normally, benchmark adjustments are made annually.

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

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1981 benchmark adjustment is shown in table M.

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

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1981

Industry division	Benchmark, March 1981	Estimate, March 1981	Percent difference
Total	90,371,000	90,720,000	-0.4
Mining	1,107,000	1,084,000	2.1
Construction	3,934,000	4,048,000	-2.9
Manufacturing	20,085,000	20,016,000	-4
Transportation and public utilities	5,102,000	5,095,000	.1
Wholesale and retail trade	20,096,000	20,290,000	-1.0
Finance, insurance, and real estate	5,239,000	5,263,000	-.5
Services	18,340,000	18,287,000	.3
Government	16,468,000	16,493,000	-.2

available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

Reliability of the employment estimates

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1981¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	177,500	35,740,500	40
Mining	2,400	387,000	35
Construction	17,300	677,000	17
Manufacturing	45,000	10,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	459,500	92
Other transportation and public utilities	8,100	2,717,000	53
Wholesale and retail trade	43,900	3,398,000	17
Finance, insurance, and real estate	12,200	1,950,000	37
Services	28,700	3,787,000	21
Government:			
Federal ²	4,900	2,769,000	100
State and local	15,000	8,645,000	63

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,900 reports covering about 60 percent of employment in Federal establishments.

adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the six 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.

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

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

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

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

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

(In percent)

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.3	-	-
Total private .....	.3	0.1	0.2
Mining	1.3	.5	.5
Construction	2.2	.2	.3
Manufacturing .....	.4	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.5	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.5	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.6	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1971, 1974, 1978, 1979, 1980 and 1981.

² Relative errors relate to March 1971 data.

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	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

¹ Assuming 12-month intervals between benchmark revisions.

² 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 Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS.

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	84,000	72,000
Goods-producing	39,000	34,000
Mining	5,000	5,000
Construction	18,000	16,000
Manufacturing	31,000	28,000
Durable two-digit industries	6,300	5,700
Nondurable two-digit industries	4,200	3,900
Service-producing	63,000	57,000
Transportation and public utilities	13,000	14,000
Wholesale and retail trade	30,000	27,000
Finance, insurance, and real estate	8,000	7,000
Services	31,000	25,000
Government	50,000	38,000

NOTE: Division level data are based on differences from January 1976 through December 1981. Two-digit industry data are based on differences from January 1981 through February 1982.

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 in a summary volume published annually by the BLS.

PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

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

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of 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 sup-

plementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

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

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

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

Notes on the data

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

Manufacturing data have been revised to reflect the 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 (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis of determining eligibility of an area for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Workers 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 areas and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

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

1. *Preliminary estimate—employment*: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employ-

ment 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 entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

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

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

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

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based

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

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

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

Seasonal Adjustment

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

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

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

The second change is that seasonal factors are now calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently

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

Revised seasonally adjusted data for selected labor force series based on the experience through December 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broad range of labor force series appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March 1982. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a

weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. Beginning with data for July 1981, these failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series. In prior months, the unadjusted series were used in the aggregation process.

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. The revised seasonally adjusted series for the establishment data reflect experience through March 1982. Seasonal factors to be used for current adjustment appear in the June 1982 issue of *Employment and Earnings*.

U.S. Department of Labor Bureau of Labor Statistics

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