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Communications on editorial matters should be addressed to: Editors, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212. Inquiries regarding the text and *Household Data* should be addressed to: Attention of Gloria P. Green, or phone: (202) 523-1944. Inquiries relating to *Establishment Data* and all other tables should be addressed to: Attention of Gloria P. Goings, or phone: (202) 523-1146. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

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Calendar of Features

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

Household data

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

Establishment data

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

¹ The issue that introduces new benchmark varies. The October 1979 issue marks the introduction of March 1978 benchmarks.

² Revised data introduced October 1979.

Employment and Earnings

Vol. 27 No. 2 February 1980

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

Contents

	Page
List of statistical tables	2
Employment and unemployment developments, January 1980	5
Revisions in the Current Population Survey in January 1980	7
Charts	9
Statistical tables:	
Not seasonally adjusted—	
Household data	21
Establishment data:	
Employment	53
Hours and earnings	85
Labor turnover	118
State and area unemployment data	125
Seasonally adjusted—	
Household data	45
Establishment data:	
Employment	70
Hours and earnings	106
Productivity	108
Labor turnover	121
Revised seasonally adjusted labor force series	130
Explanatory notes	160

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1. Employment status of the noninstitutional population 16 years and over, 1947 to date	21
A- 2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date	22
A- 3. Employment status of the noninstitutional population by sex, age, and race	23
A- 4. Labor force by sex, age, and race	25
A- 5. Employment status of black workers by sex and age	27
A- 6. Employment status of the noninstitutional population by race, sex, and age	28
A- 7. Employment status of the noninstitutional population 16-21 years of age by race and sex	29
A- 8. Full- and part-time status of the civilian labor force by sex, age, and race	30
A- 9. Employment status of the noninstitutional population by family relationship	31

Characteristics of the Unemployed

A-10. Unemployed persons by marital status, sex, age, and race	31
A-11. Unemployed persons by occupation of last job and sex	32
A-12. Unemployed persons by industry of last job and sex	32
A-13. Unemployed persons by reason for unemployment, sex, age, and race	33
A-14. Unemployed persons by reason for unemployment, duration, sex, and age	33
A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race	34
A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment	34
A-17. Unemployed persons by duration of unemployment	35
A-18. Unemployed persons by duration, sex, age, race, and marital status	35
A-19. Unemployed persons by duration, occupation, and industry of last job	36

Characteristics of the Employed

A-20. Employed persons by sex and age	36
A-21. Employed persons by occupation, sex, and age	37
A-22. Employed persons by occupation, sex, and race	38
A-23. Employed persons by class of worker, age, and sex	39
A-24. Employed persons by industry and occupation	39
A-25. Employed persons with a job but not at work by reason, pay status, and sex	40
A-26. Persons at work by type of industry and hours of work	40
A-27. Persons at work 1-34 hours by usual status and reason for working less than 35 hours	41
A-28. Nonagricultural workers by industry and full- or part-time status	41
A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status	42
A-30. Persons at work in nonfarm occupations by full- or part-time status and sex	43

Characteristics of 14 and 15 year-olds

A-31. Employment status of 14-15 year-olds by sex and race	44
A-32. Employed 14-15 year-olds by sex, class of worker, and occupation	44

Seasonally Adjusted Employment and Unemployment Data

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted	45
A-34. Full- and part-time status of the civilian labor force, seasonally adjusted	46
A-35. Employment status by race, sex, and age, seasonally adjusted	46
A-36. Major unemployment indicators, seasonally adjusted	47
A-37. Unemployed persons by duration of unemployment, seasonally adjusted	47
A-38. Rates of unemployment by sex and age, seasonally adjusted	48
A-39. Unemployed persons by reason for unemployment, seasonally adjusted	48
A-40. Employed persons by sex and age, seasonally adjusted	49
A-41. Unemployed persons by sex and age, seasonally adjusted	49
A-42. Employed persons by selected social and economic categories, seasonally adjusted	50

Characteristics of Vietnam-Era Veterans and Nonveterans

A-43. Employment status of male Vietnam-era veterans and nonveterans by age	51
---	----

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1. Employees on nonagricultural payrolls, by industry division, 1920 to date	53
B- 2. Employees on nonagricultural payrolls, by industry	54
B- 3. Women employees on nonagricultural payrolls, by industry	63
B- 4. Employees on nonagricultural payrolls, by industry, seasonally adjusted	70
B- 5. Women employees on nonagricultural payrolls, by industry, seasonally adjusted	71
B- 6. Production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	72
B- 7. Indexes of diffusion: Percent of industries in which employment increased	73

Employment—State and Area

B- 8. Employees on nonagricultural payrolls for States and selected areas, by industry division	74
---	----

Hours and Earnings—National

C- 1. Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1959 to date	85
C- 2. Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	86
C- 3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	102
C- 4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	102
C- 5. Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1967 dollars	103
C- 6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers on private nonagricultural payrolls	104
C- 7. Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted	106
C- 8. Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted	107
C- 9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	108
C-10. Hours of wage and salary workers in nonagricultural establishments, by industry division	108
C-11. Indexes of output and compensation per hour, unit costs, and prices, private business sector, seasonally adjusted	109
C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted, at annual rate	110

Hours and Earnings—State and Area

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	111
---	-----

Labor Turnover—National

D- 1. Labor turnover rates in manufacturing, 1969 to date	116
D- 2. Labor turnover rates, by industry	117
D- 3. Labor turnover rates in manufacturing, 1969 to date, seasonally adjusted	121

Labor Turnover—State and Area

D- 4. Labor turnover rates in manufacturing for selected States and areas	122
---	-----

MONTHLY STATE AND AREA UNEMPLOYMENT DATA

E- 1. Labor force and unemployment by State and selected metropolitan areas	125
---	-----

REVISED MONTHLY HOUSEHOLD DATA

	<i>Page</i>
Revised Seasonally Adjusted Labor Force Series	
Labor force—total; sex; sex and age; race, sex and age; full- or part-time status and sex	130
Civilian labor force participation rates—total; sex; sex and age; race, sex, and age	134
Employment—total; sex; sex and age; agricultural and nonagricultural industries by sex and age; 16-21 years by sex and major activity; marital status; occupation; class of worker; at work on full- or part-time schedules	138
Employment-population ratios—total; sex and age; race	143
Unemployment—total; sex; sex and age; 16-21 years by sex and major activity; race, sex, and age; marital status; full- or part-time status and sex; reasons for unemployment; duration of unemployment; labor force time lost	144
Unemployment rates—total; sex; sex and age; 16-21 years by sex and major activity; race, sex, and age; marital status; full- or part-time status and sex; occupation; industry	151

Employment and Unemployment Developments, January 1980

Unemployment rose in January, and there were contrasting developments in employment. Due to a rise in joblessness among adult men, the Nation's unemployment rate increased over the month from 5.9 to 6.2 percent, the highest rate since July 1978.

Total employment—as measured by the monthly survey of households—showed little overall change in January, although there were diverse movements among adult men and women jobholders. Consistent with their rise in unemployment, employment among adult men was down markedly, while the number of adult women holding jobs increased.

In contrast to total employment, nonfarm payroll employment—as measured by the monthly survey of establishments—rose by about 300,000 in January to 90.5 million.

Unemployment

The number of persons unemployed increased 340,000 in January to 6.4 million. Most of this upturn occurred among persons who were laid off or otherwise lost their last jobs. Over the past year, the jobless total has risen by 610,000. (See tables A-33 and A-39.)

With the increase in the level of unemployment, the Nation's jobless rate rose three-tenths of a point to 6.2 percent. The jobless rate had remained within the narrow range of 5.7 to 5.9 percent over the prior 17-month period.

The January increase in unemployment was concentrated among adult men; their rate rose from 4.2 to 4.7 percent, the highest since November 1977. The increase was shared by both black and white men. In contrast, the rates for adult women (5.8 percent) and teenagers (16.3 percent) were about unchanged over the month. Strong increases were also registered in the cyclically sensitive unemployment rates for married men, full-time workers, blue-collar workers, and workers in durable goods manufacturing. (See table A-36.)

There was no change in the number of nonfarm workers on part-time work schedules for economic reasons (sometimes termed the "partially unemployed"), following large increases in the last quarter of 1979. (See table A-42.)

Total employment and the labor force

Total employment was little changed in January, but

there were offsetting movements among adult men and women. There was a drop of 200,000 in the number of men with jobs, while employment among adult women rose by 170,000. Employment also fell in the male-dominated blue-collar occupations. Employment was up by 1.7 million from January 1979, the smallest over-the-year increase since January 1976. (See tables A-33 and A-42.)

The civilian labor force grew by 230,000 from December and was up 2.3 million from a year ago. Adult women accounted for the bulk of these increases. Their labor force participation rate reached a new high of 51.4 percent, while that of men and teenagers edged down over the month.

Industry payroll employment

Nonfarm payroll employment rose to 90.5 million in January, up 305,000 from the December level. Contributing to this increase was a net reduction in strike activity of approximately 50,000.

The bulk of the January employment growth occurred in the service-producing industries. Gains were registered throughout the sector, with the most sizeable increases in trade (130,000), services (55,000), and transportation and public utilities (30,000).

Within the goods-producing sector, the construction industry posted an employment gain of 65,000. Overall employment in manufacturing was about unchanged. There was a decline of nearly 60,000 in transportation equipment, due to job cutbacks in automobiles and parts, and smaller decreases in fabricated metal products and food processing. These were about offset by a return of striking workers in the machinery industry, coupled with small increases in several other industries, primarily in the nondurable goods sector. Employment in mining remained near its December level.

Over the past year, payroll jobs have increased by 2.0 million, with 85 percent of the gain occurring in the service-producing sector. (See tables B-1 and B-4.)

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls remained at 35.7 hours in January, a level maintained since November. Movements were small and generally offsetting among the major industries. In manufacturing, average hours and overtime both edged up a tenth

of an hour to 40.4 and 3.3 hours, respectively. (See table C-7.)

The index of aggregate weekly hours remained at 126.7 (1967=100) in January and has risen by only 1.8 percent since January 1979. The manufacturing index, however, has decreased by 2.2 percent over the past year. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.3 percent in January and were up 7.4 percent over the year (seasonally adjusted). Average weekly earnings also rose 0.3 percent from December and were 7.1 percent above the January 1979 level.

Before adjustment for seasonality, average hourly earnings rose 3 cents in January to \$6.41 and were 44 cents above January 1979. Average weekly earnings were \$224.99, down \$4.69 from December but still up \$14.85 over the year. (See tables C-1 and C-9.)

The Hourly Earnings Index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 239.8 (1967=100) in January, 0.2 percent higher than in December. The Index was 7.7 percent above January a year ago. In dollars of constant purchasing power, the Index decreased 4.5 percent during the 12-month period ended in December. (See table C-9.)

Revisions in the Current Population Survey in January 1980

* Deborah Lorah

The household data on labor force status and characteristics of the population are compiled monthly from the Current Population Survey (CPS), which is conducted for the Bureau of Labor Statistics by the Bureau of the Census. The CPS is a probability sample of households and other living quarters designed to produce data on the civilian noninstitutional population.¹ Beginning in January 1980, the published household data are derived from a sample which has been expanded by about 9,000 households in 32 States and the District of Columbia to a total of 65,000 households nationwide. The additional sample will improve the reliability of State estimates and is not expected to produce any changes in level for national estimates of labor force characteristics. This article discusses the methods used to select samples for the CPS, compares the most recent expansion with the earlier samples, and discusses estimating procedures and the reliability of the estimates with the expanded sample.

Sampling methods

AC sample. Through December 1977, the published household data were derived from a sample of 47,000 households designed to produce national estimates (the AC sample). The national AC sample was selected in two stages after the 1970 Decennial Census, using census listings and counts.

The country was first divided into primary sampling units (PSU's), which are typically counties or groups of counties. The PSU's were then grouped into strata. PSU's with large populations constituted strata by themselves and were in the sample with certainty. For strata which contained more than one PSU, three sample PSU's were selected with probability proportionate to size to represent every two strata. These national strata were created within the four census regions, but without regard to State lines.

In the second stage of sampling, clusters containing an expected four housing units were selected in such a manner that each housing unit in the United States would have an equal probability of selection.

D sample. From January 1978 through December 1979, the household survey was based on a larger sample—56,000 households—designed to produce reliable annual average estimates of unemployment for each State. This expanded sample was created by adding approximately 9,000 housing units (the D sample) in 24 States and the District of Columbia to the national AC sample. The D sample was designed to maximize the use of the AC sample to produce State estimates. States which did not meet the reliability requirement (an expected coefficient of variation of 10 percent on the annual average unemployment level, assuming a 6-percent unemployment rate) and which did not already have all their PSU's in the sample were restratified as follows: AC sample PSU's in a State are also in the sample for the State, and each of these PSU's represents the portion of its national stratum in the State. Portions of national strata in a State which were sufficiently large were subdivided. PSU's from national strata and subdivided national strata for which there were no sample PSU's in the State were regrouped into strata within the State. Then one PSU was selected to represent each new "State-stratum" with probability proportionate to the PSU population.

Within each State requiring supplementation, sample clusters of housing units were selected from the new sample PSU's and from the AC PSU's as needed, using the same procedures as for the national sample. The total number of additional sample housing units selected for a State depended on the sample size required to achieve the desired reliability and the number of housing units already in the AC sample in the State. The procedures for collecting the data and the rotation pattern are the same in both samples. The additional State samples were designed in such a manner that the expected values of the sample estimates for the AC and D samples should be equal.

* Deborah Lorah is a mathematical statistician in the Statistical Methods Division, Current Population Survey Branch, Bureau of the Census, U.S. Department of Commerce.

¹ A detailed description of the CPS appears in *Current Population Survey: Design and Methodology*, Technical Paper No. 40 (Bureau of the Census, U.S. Department of Commerce, January 1978.)

B sample. For the latest expansion of the sample for the household survey, the B sample, the requirements were similar to those of the D sample: The combined samples should meet the reliability requirement (an expected coefficient of variation of 10 percent on the quarterly average unemployment level, assuming an unemployment rate of 6 percent); the sample design and procedures should be compatible with the corresponding features of the AC and D samples; and the same rotation pattern should be used. Supplementation occurred only in States not having a sample size sufficient to meet the specified reliability.

Two methods were considered for increasing the reliability for quarterly estimates. One sample size was computed assuming the existing stratification would be maintained. If this sample size was less than the current size, the State already met the reliability requirement. If not, a second sample size was computed assuming the State would be restratified in a manner similar to the D sample restratification. Comparing the two sample sizes for those States requiring supplementation led to a decision on which method should be used. Generally, if two or more interviewer workloads, 100 or more households, could be saved by restratifying, then the State was restratified. Only 3 of the 33 States requiring supplementation were restratified. These new strata, like the D sample strata, do not cross State boundaries. In States which had already been restratified for the D sample, no attempted restratification made efficient use of the existing sample.

In the restratified States, one PSU was selected with probability proportionate to size from each new stratum which did not already contain a sample PSU. Then in each State, clusters of housing units were drawn from each sample PSU (including those chosen for the AC and D designs). The total number of additional sample housing units selected for a State depended on the sample size required to achieve the desired reliability and the number of housing units already in sample in the State. The procedure for collecting the data and the rotation pattern were the same in all three samples. The B sample was also designed so that the expected value of the sample estimates would not be changed.

Differences in sample supplementation. Although in general, the same procedures were used for both the D and B expansions, the method of supplementation was different. In the D sample, every supplemented State was restratified, unless all the PSU's were already in the sample. This meant that, in the D sample, the current and new sample PSU's could be considered as hav-

ing been drawn from the State strata. In the B sample expansion, only three of the supplemented States were restratified; some of the supplemented States were never restratified for either the B or D samples. In the eight AC sample States supplemented but not restratified for the B sample, no new PSU's were selected; the existing sample PSU's were drawn from the national strata which frequently cross State boundaries. Fifteen States were never supplemented or restratified for either the D or B samples, so that their strata also cross State boundaries.

Estimation procedure

The CPS estimation procedure involves multiplying the basic weights—the inverse of the probability of selection for a housing unit—by factors which adjust for household noninterview and for differences between sample proportions and known population proportions in certain age, sex, race, and residence categories. The “Estimating Methods” section in the Explanatory Notes describes these adjustments and their purposes. The estimation procedure for the combined ABCD sample in use beginning in January 1980 is the same as the one used from January 1979 through December 1979 for the combined ACD sample.

Data have been collected from the B sample since April 1979. A comparison of several months data from the ACD and ABCD samples has revealed no patterns of bias or unexplained significant differences between the samples.

Reliability of the estimates

Both sampling and nonsampling errors are possible in data from sample surveys (see the section in the Explanatory Notes on the reliability of the estimates for household data). In both the ACD and B samples, the extent of the nonsampling error is unknown. However, it is expected that the nonsampling error for both should be about the same, since the same questionnaire, data collection and processing procedures, and rotation scheme are used.

The standard errors for household data presented in the Explanatory Notes are primarily a measure of the sampling error for the AC sample. They do not reflect the use of the additional units in either the D or B samples. The magnitude of the sampling error for the full ABCD sample has not yet been measured; however, any reduction in the variance of national estimates resulting from the increase in sample size is expected to be negligible. Addition of the B sample was designed to improve reliability at the State level; it does not improve the reliability of the national estimates.

CHARTS

Page

1.	Labor force and employment, 1961-80	9
2.	Major unemployment indicators, 1961-80	10
3.	Civilian labor force participation rates by sex and age, 1961-80	10
4.	Total employment by sex and age, 1961-80	11
5.	Employment-population ratios by sex and age, 1961-80	12
6.	Payroll employment in goods-and service-producing industries, 1961-80	12
7.	Nonagricultural payroll employment by industry, 1961-80	13
8.	Persons at work full and part time in nonagricultural industries, 1961-80	14
9.	Employment in nonfarm occupations, 1961-80	15
10.	Unemployment rates by sex and age, 1961-80	16
11.	Unemployment rates by race, 1961-80	16
12.	Unemployment rates by major occupational groups, 1961-80	17
13.	Duration of unemployment, 1961-80	18
14.	Average weekly hours in nonagricultural industries, 1961-80	19
15.	Average weekly earnings in nonagricultural industries, 1961-80	19
16.	Total private gross and spendable weekly earnings, 1961-80	20
17.	Labor turnover rates in manufacturing, 1961-80	20

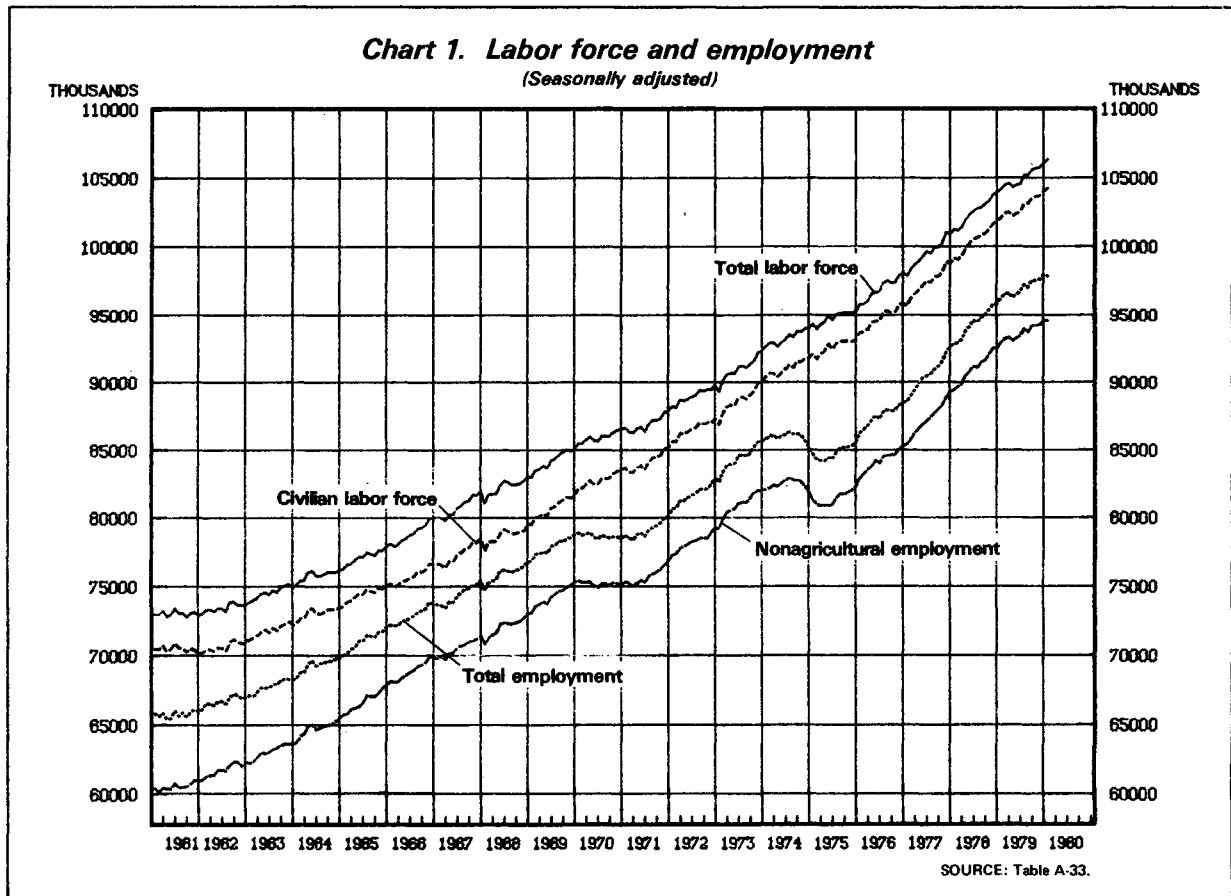


Chart 2. Major unemployment indicators
(Seasonally adjusted)

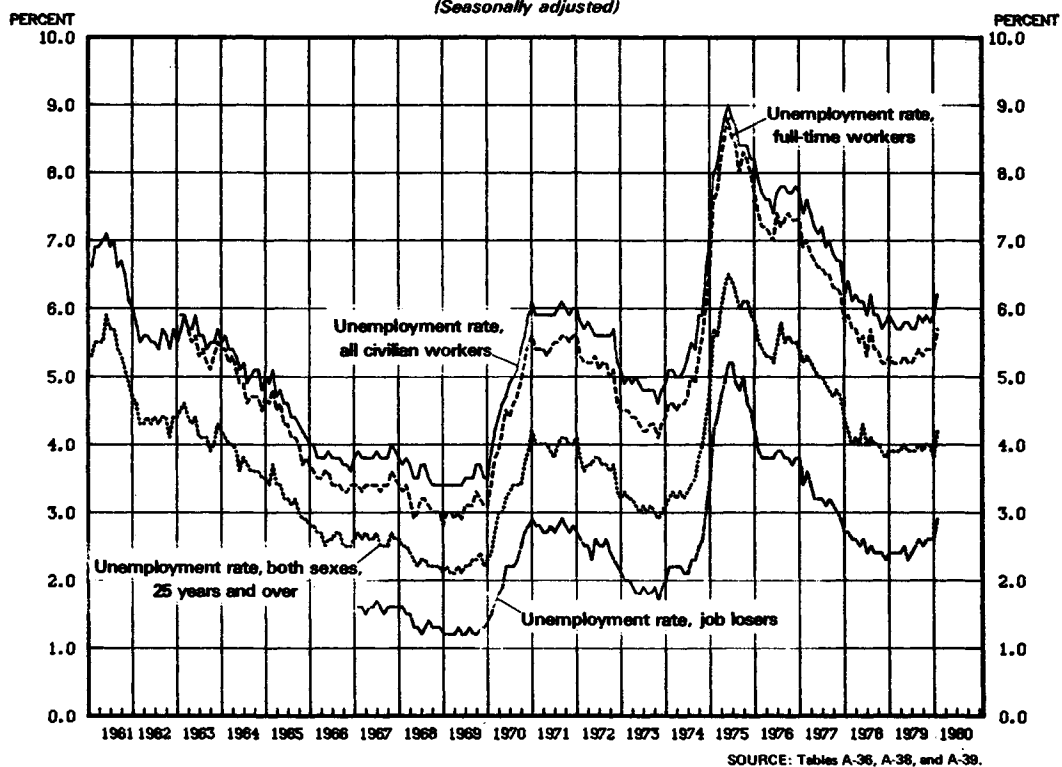


Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)

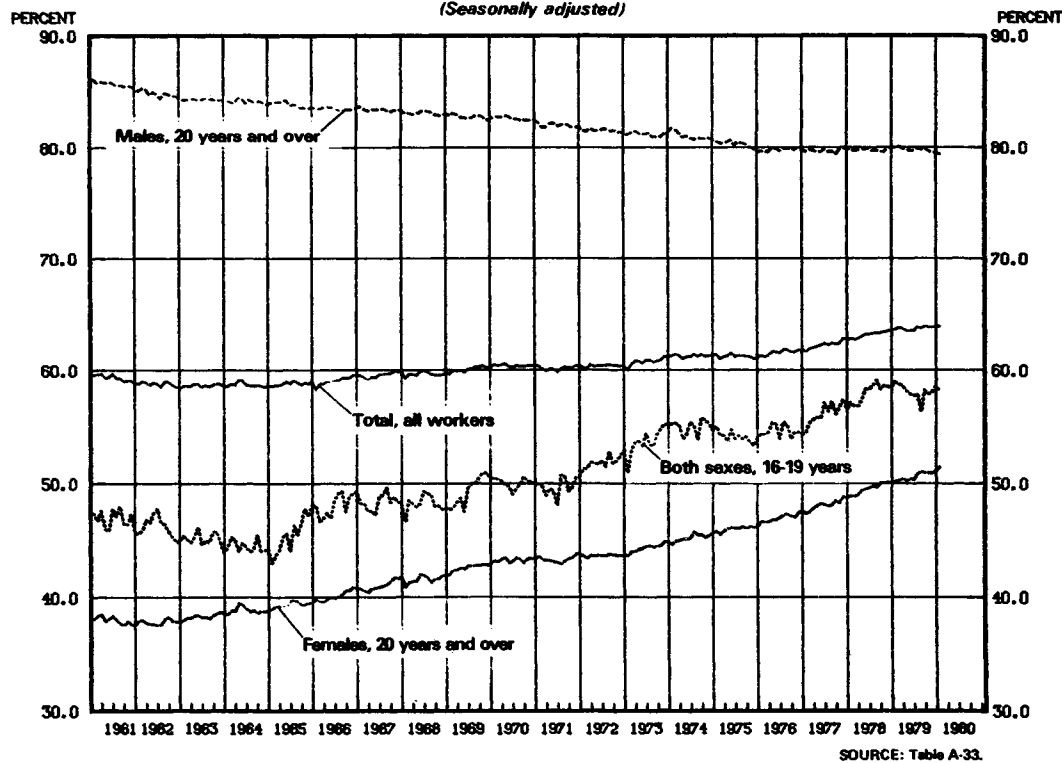
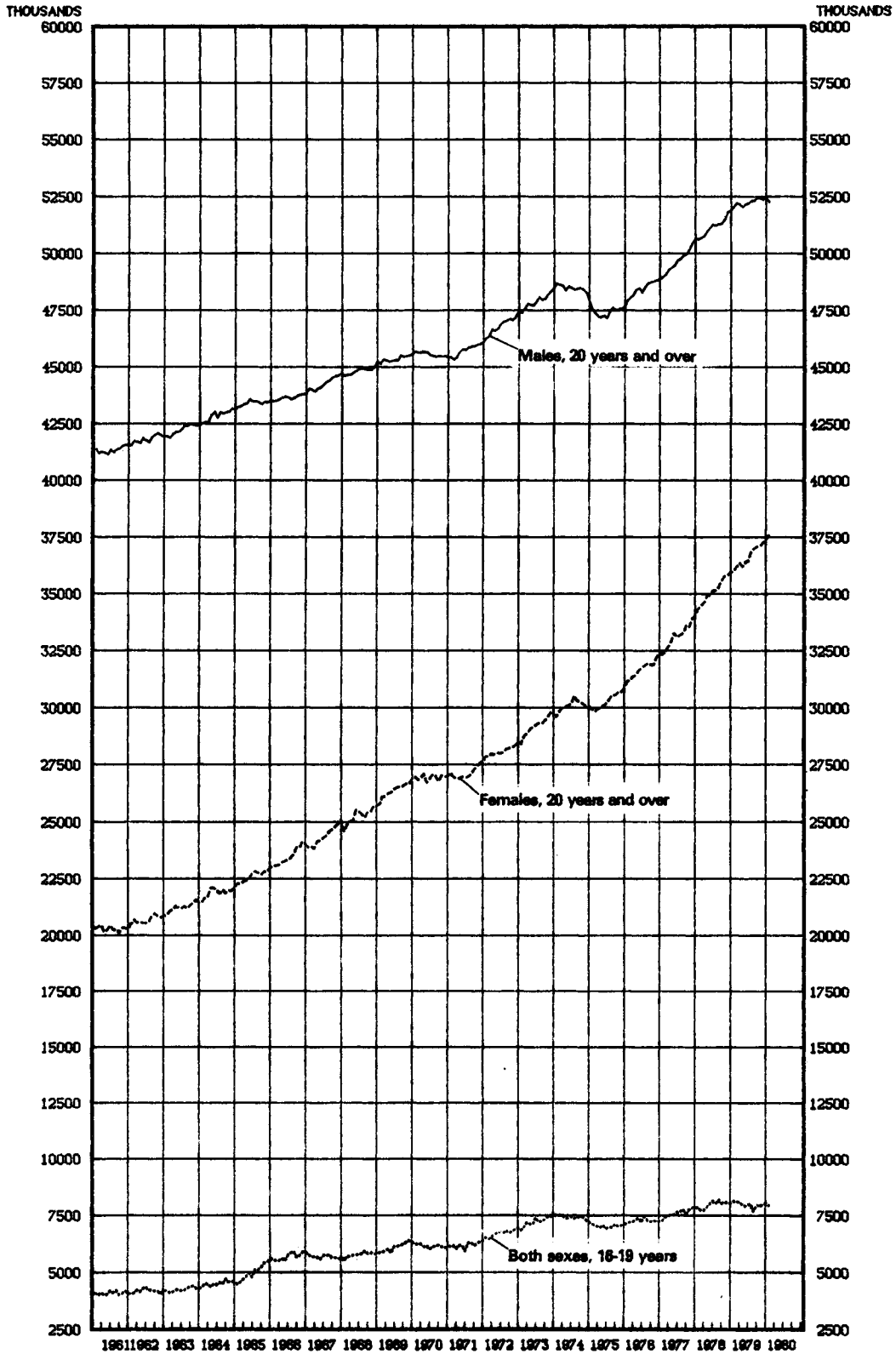


Chart 4. Total employment by sex and age

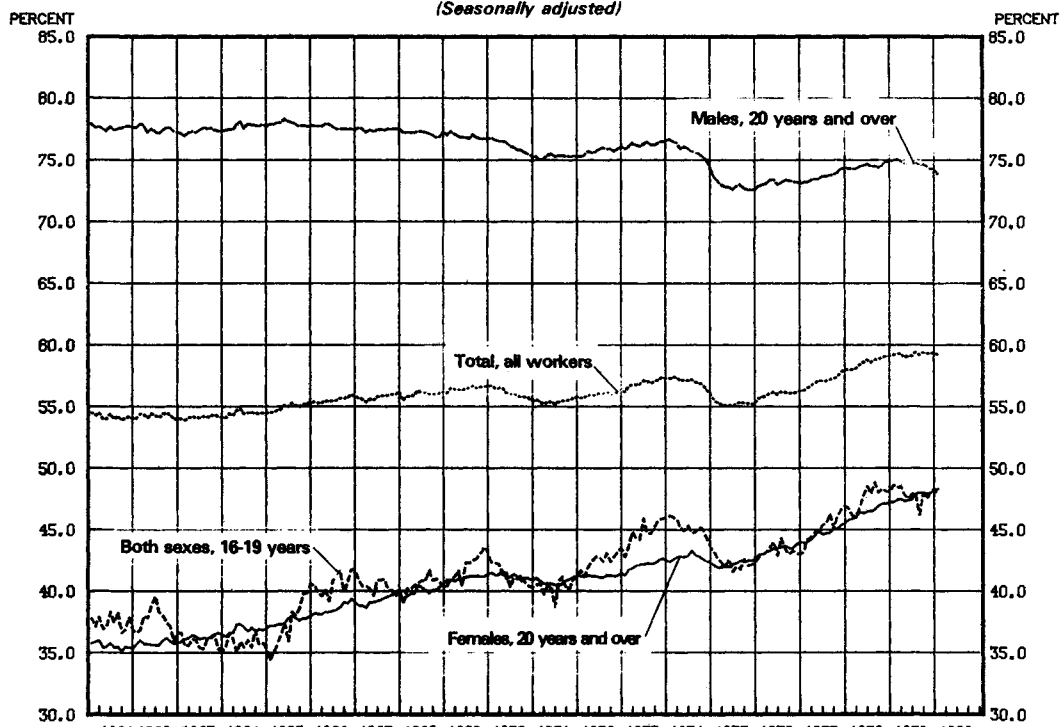
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age

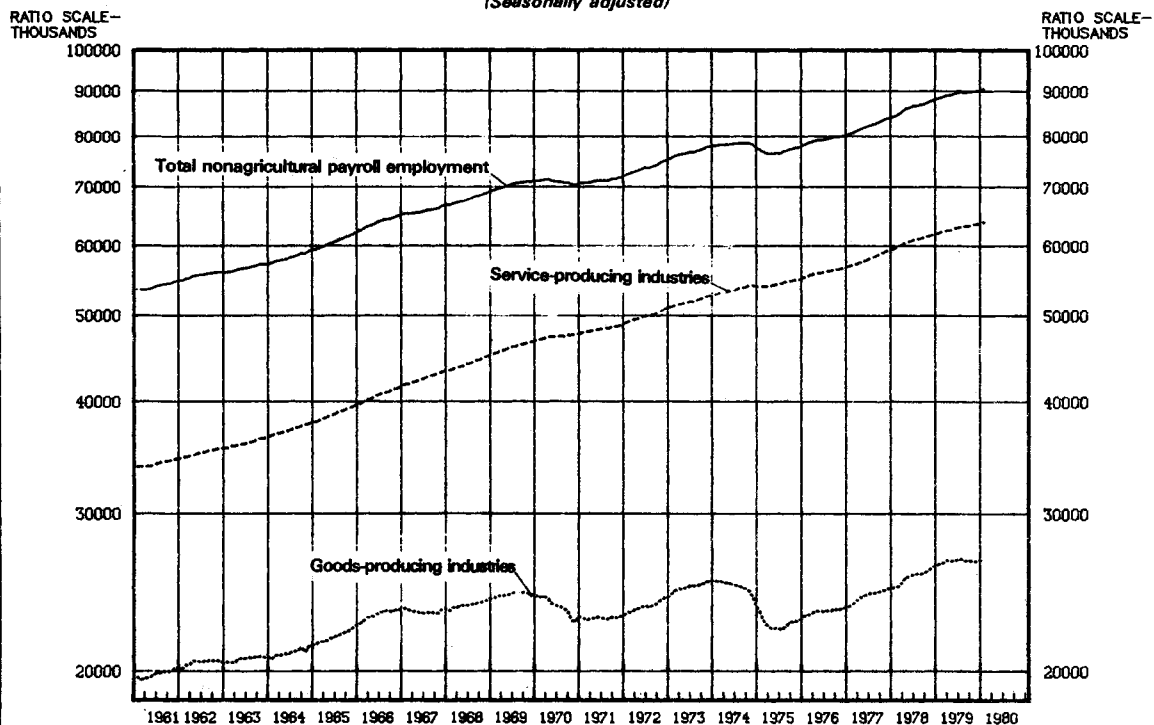
(Seasonally adjusted)



SOURCE: Table A-33.

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

(Seasonally adjusted)

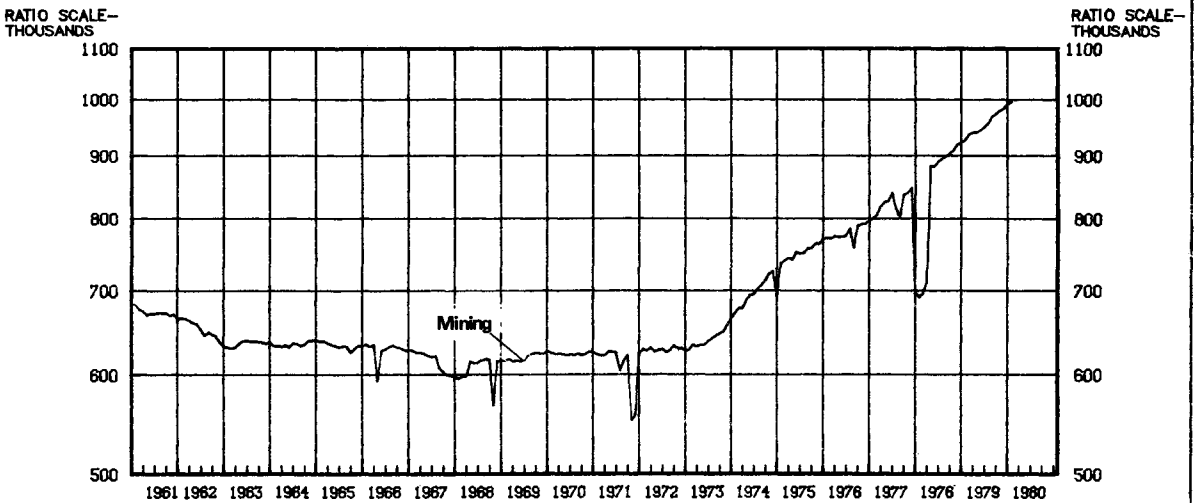
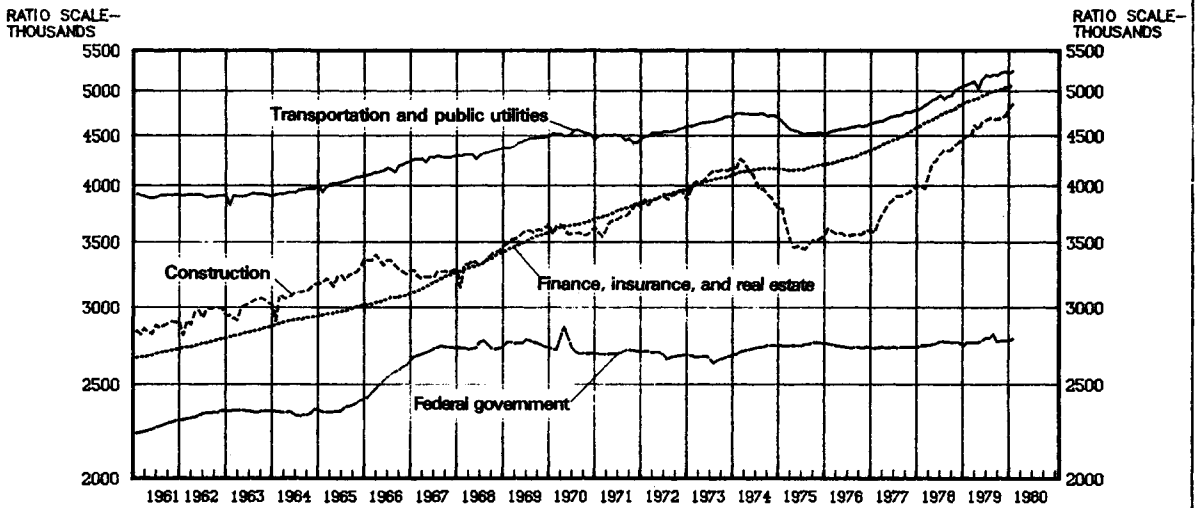
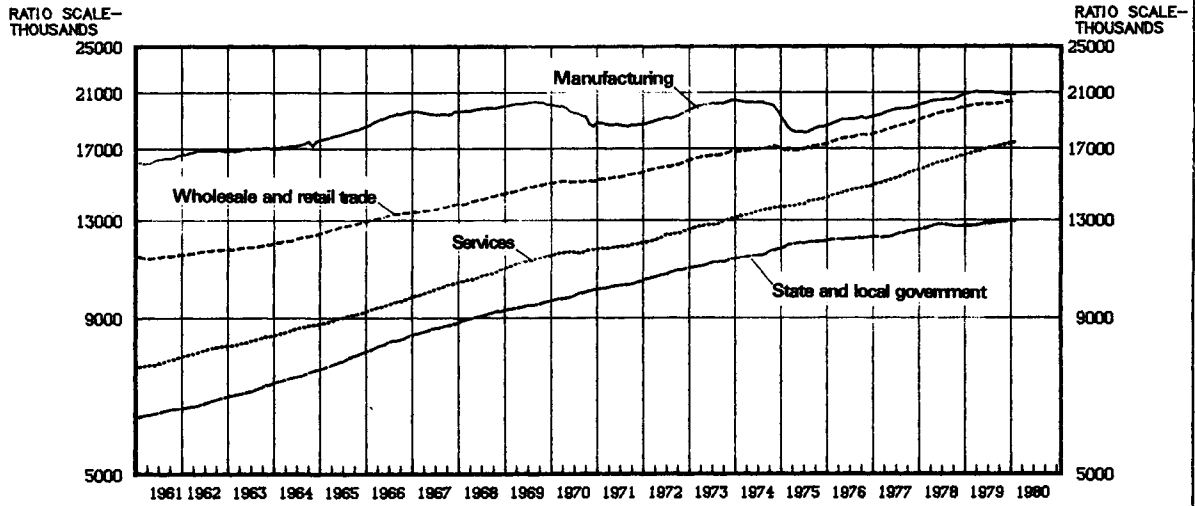


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

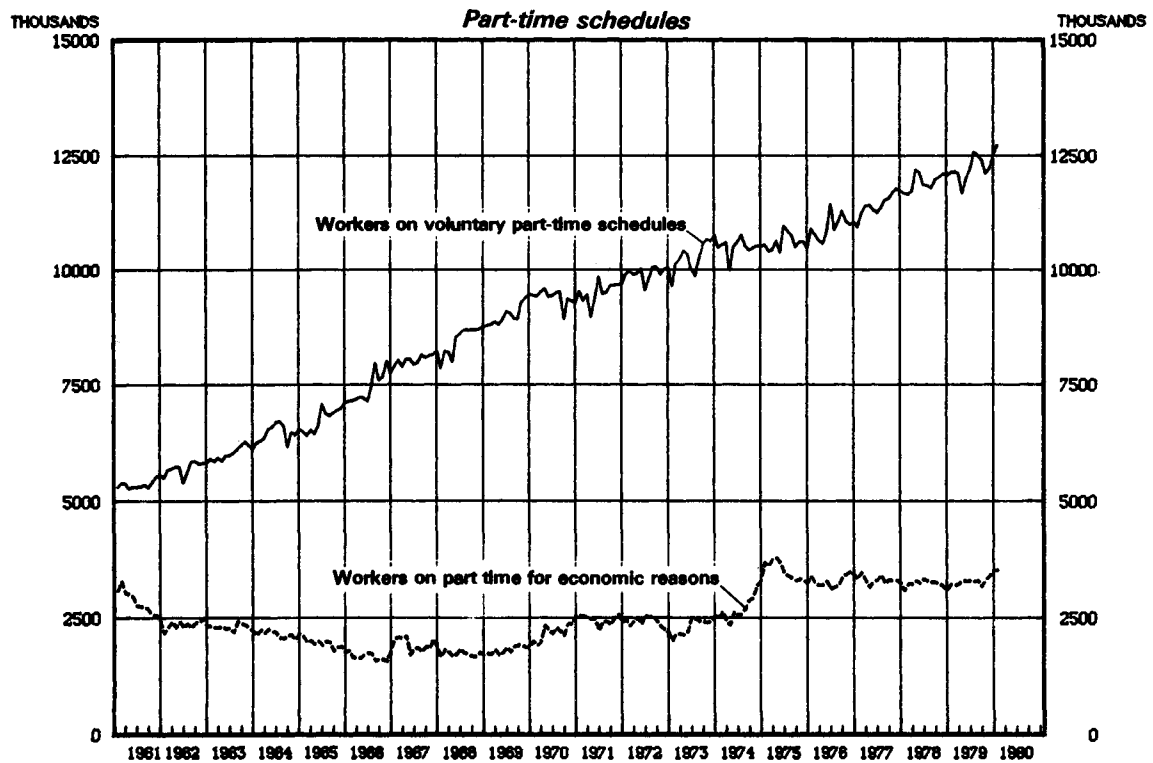
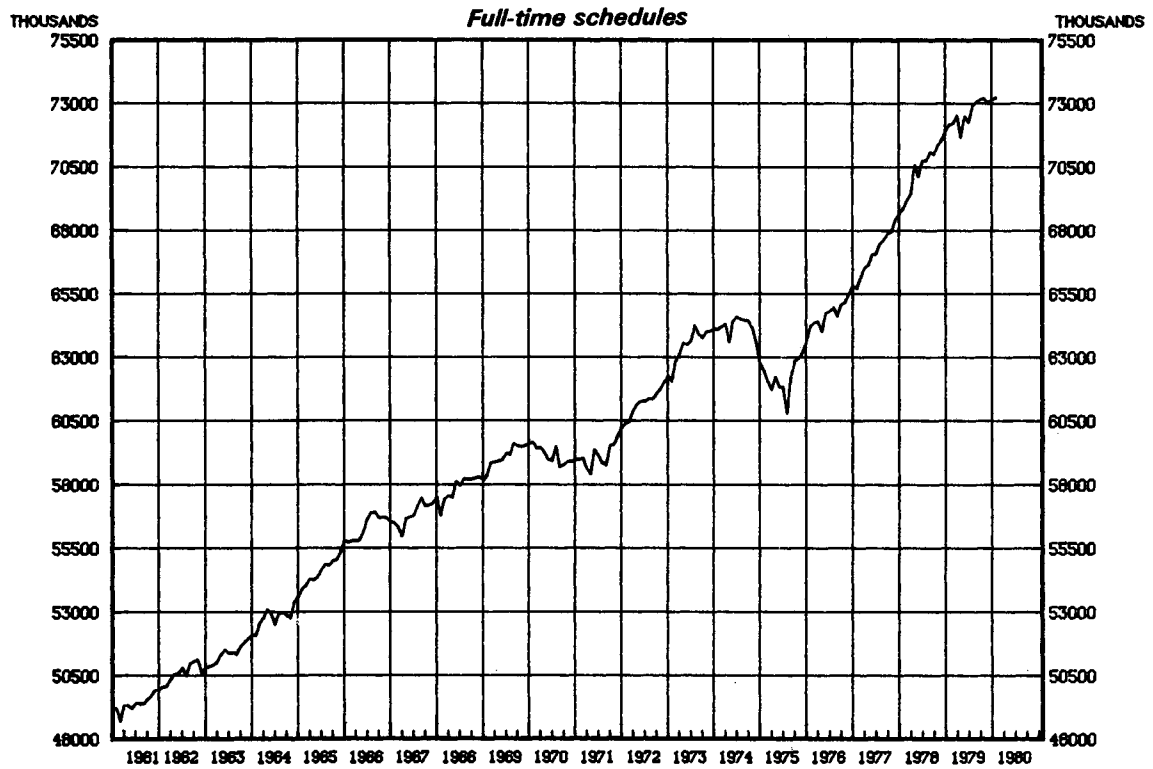


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

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

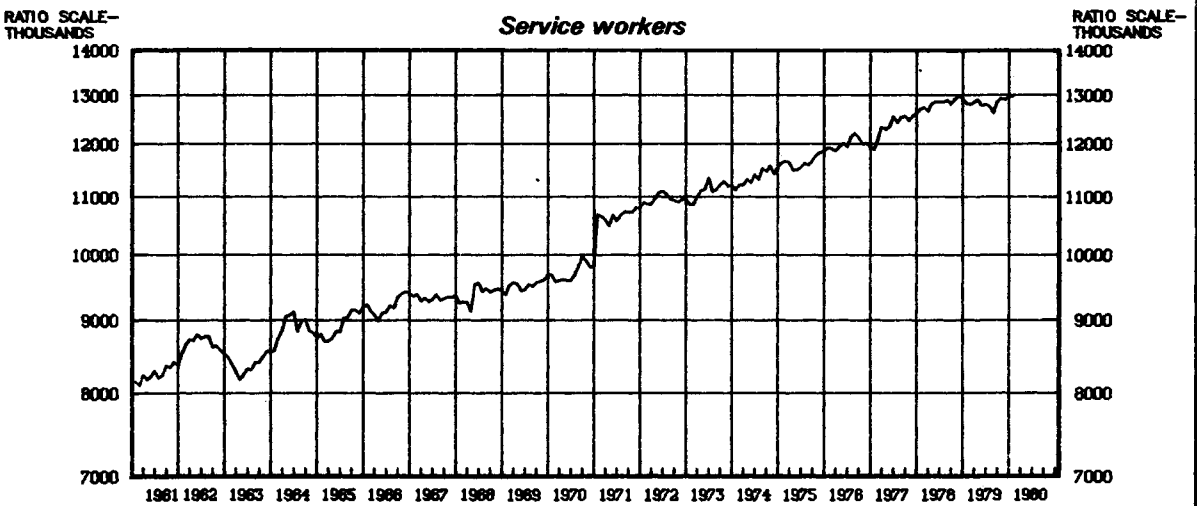
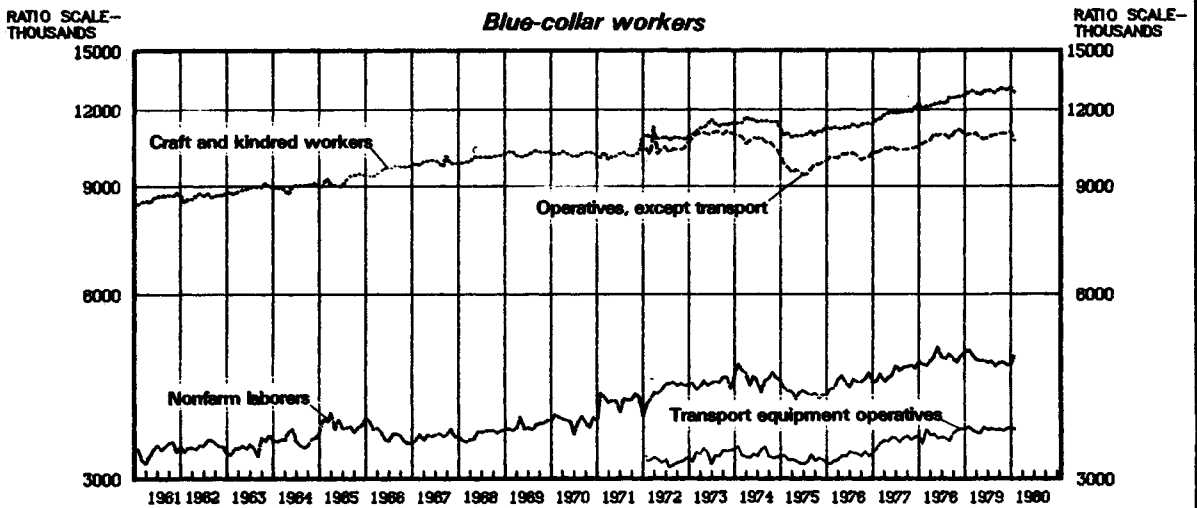
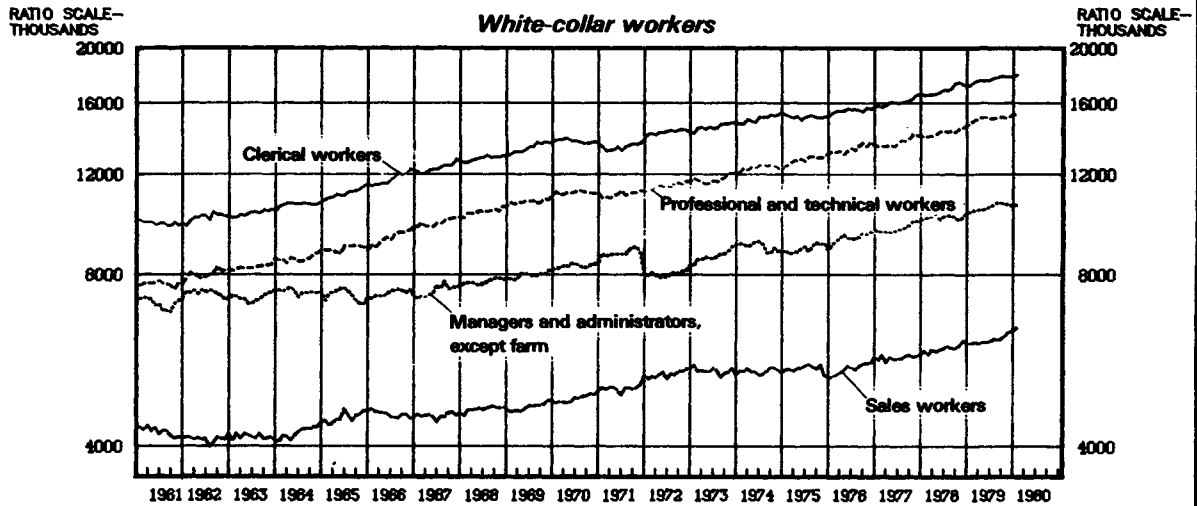
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)



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

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age
(Seasonally adjusted)

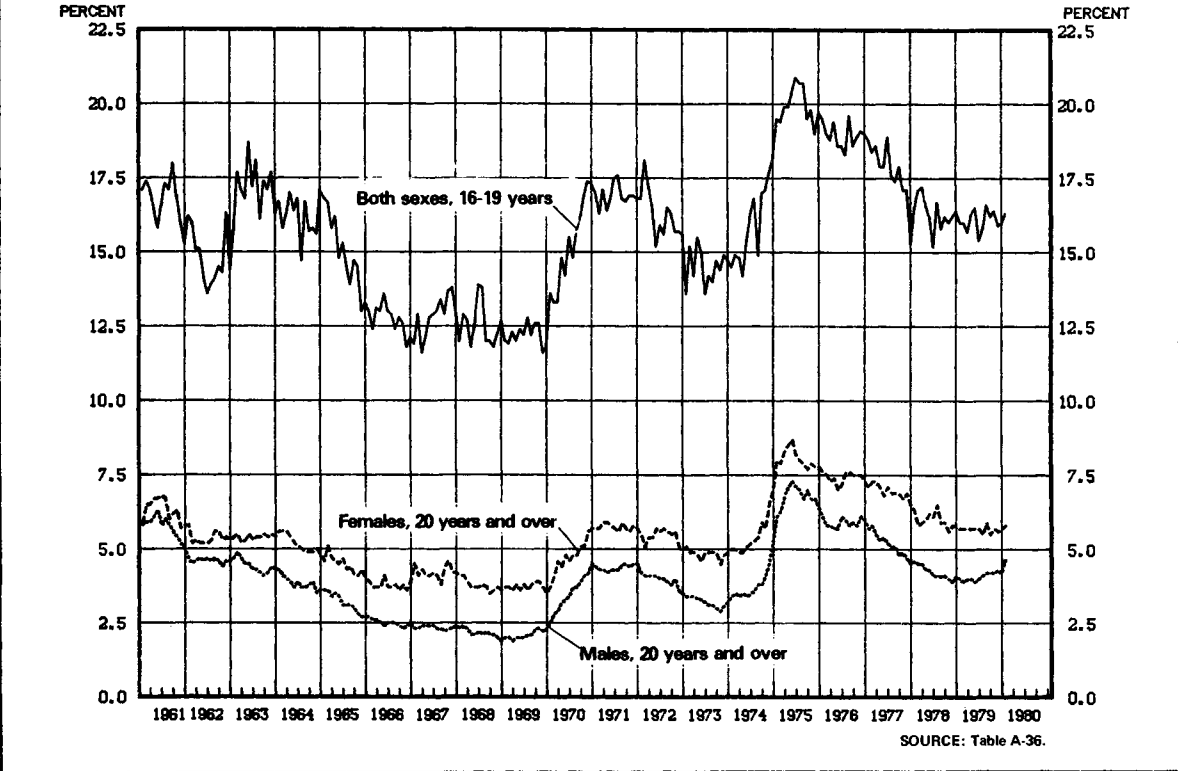


Chart 11. Unemployment rates by race
(Seasonally adjusted)

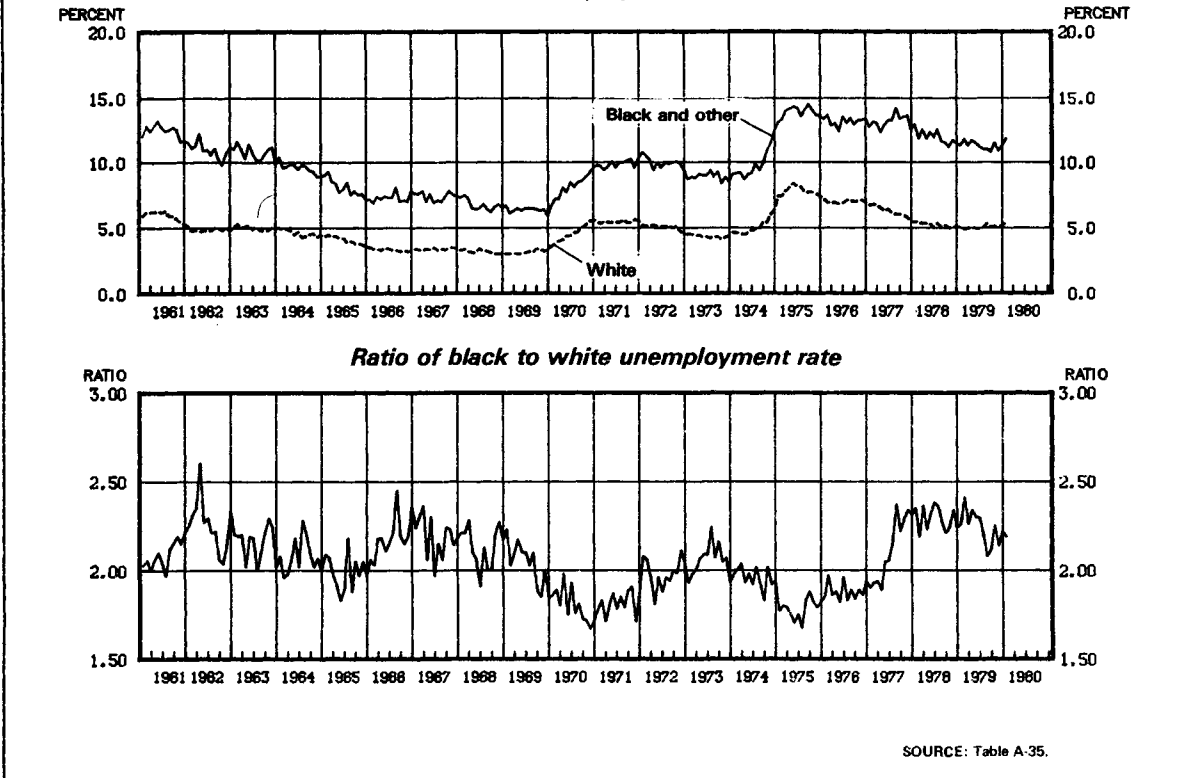
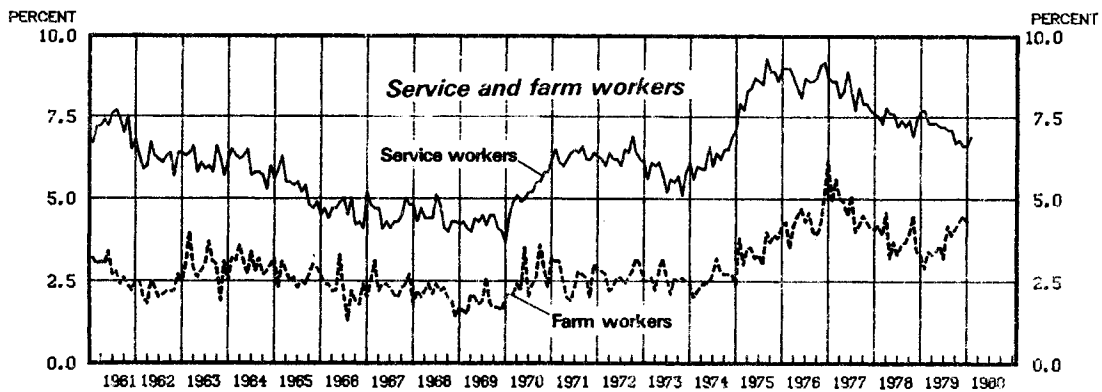
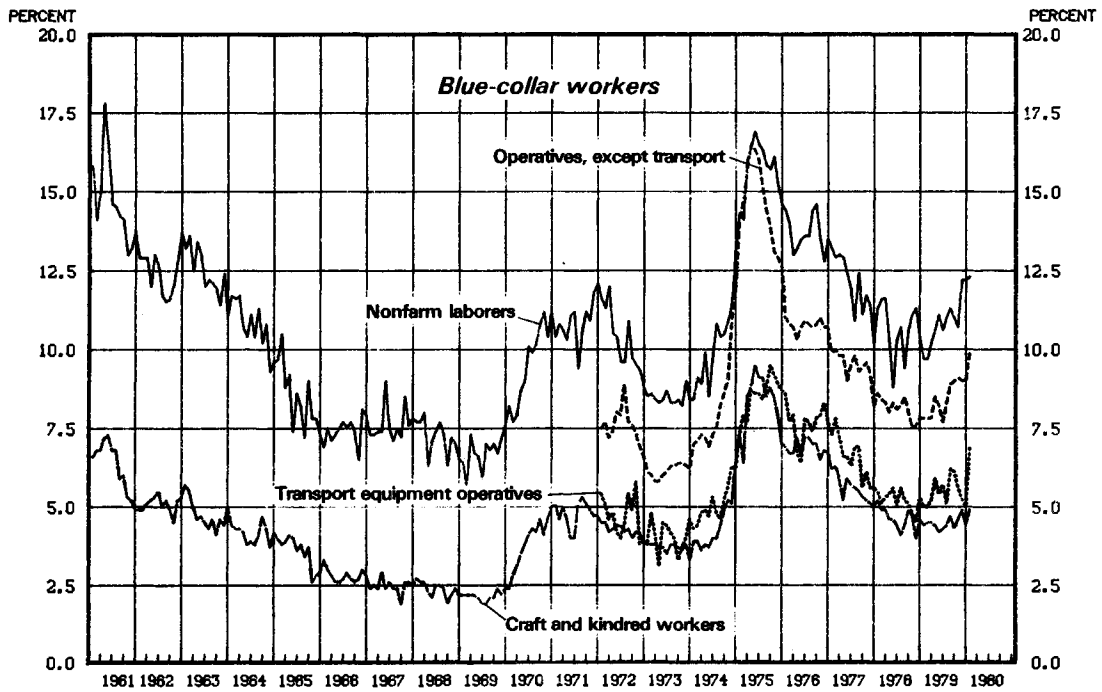
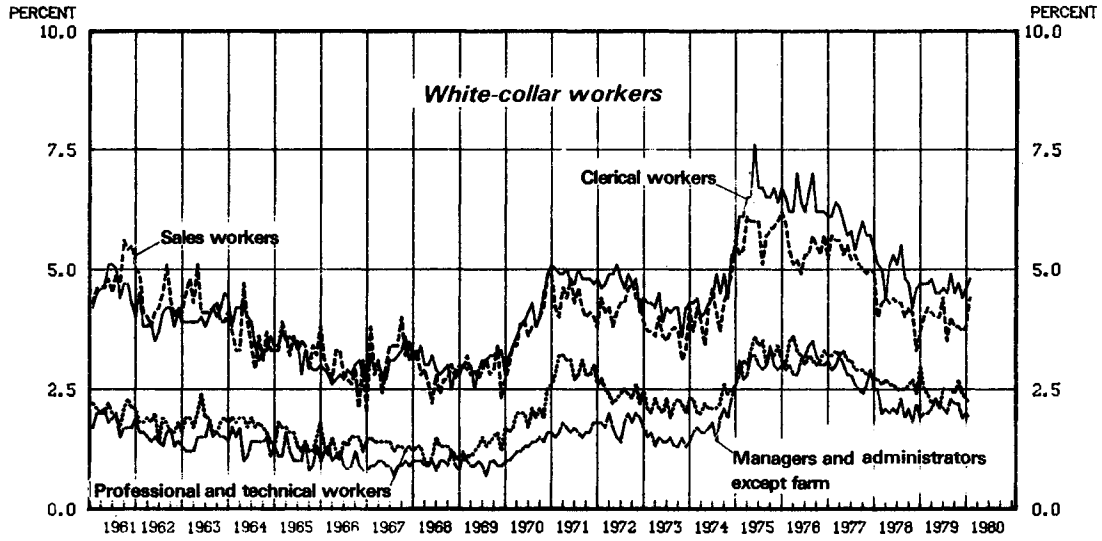


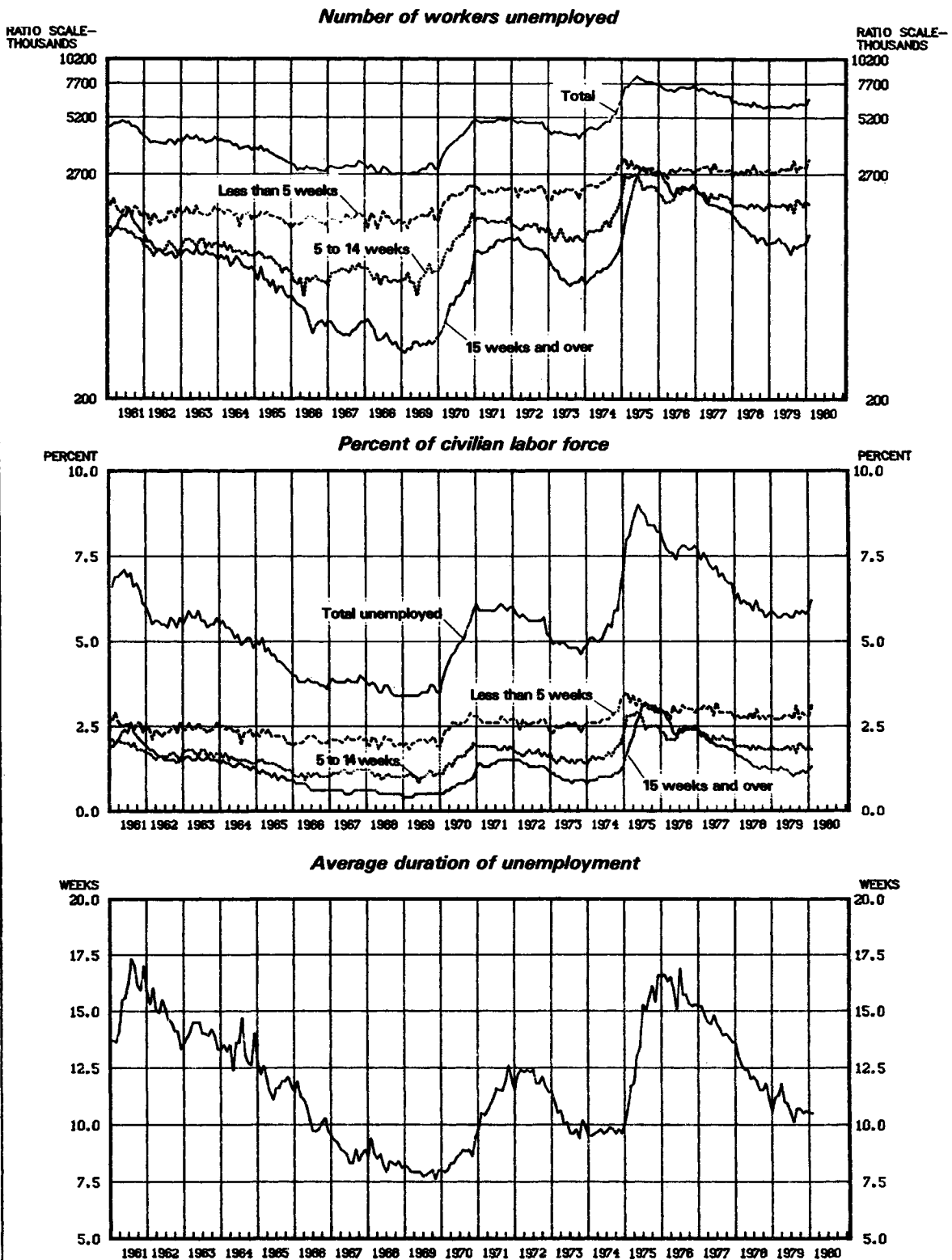
Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A.36.

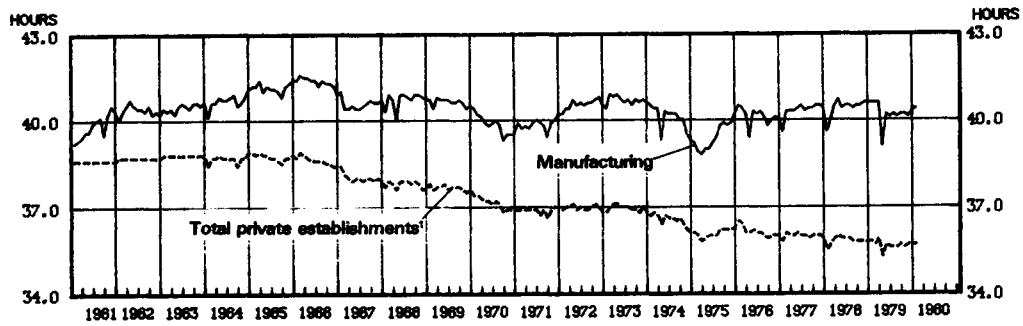
Chart 13. Duration of unemployment

(Seasonally adjusted)

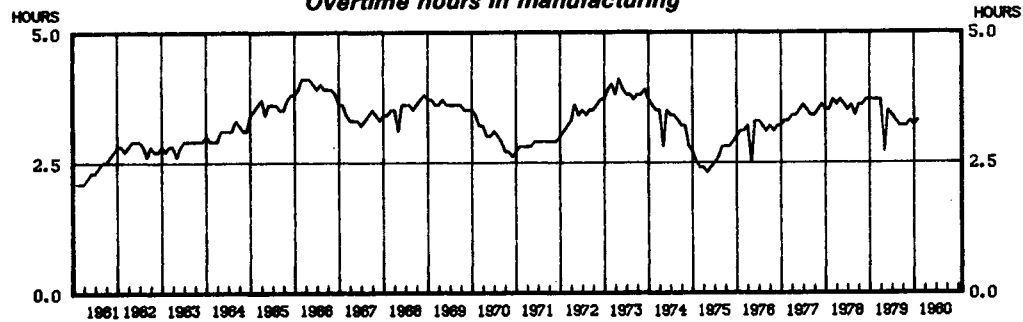


SOURCE: Table A-37.

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



Overtime hours in manufacturing

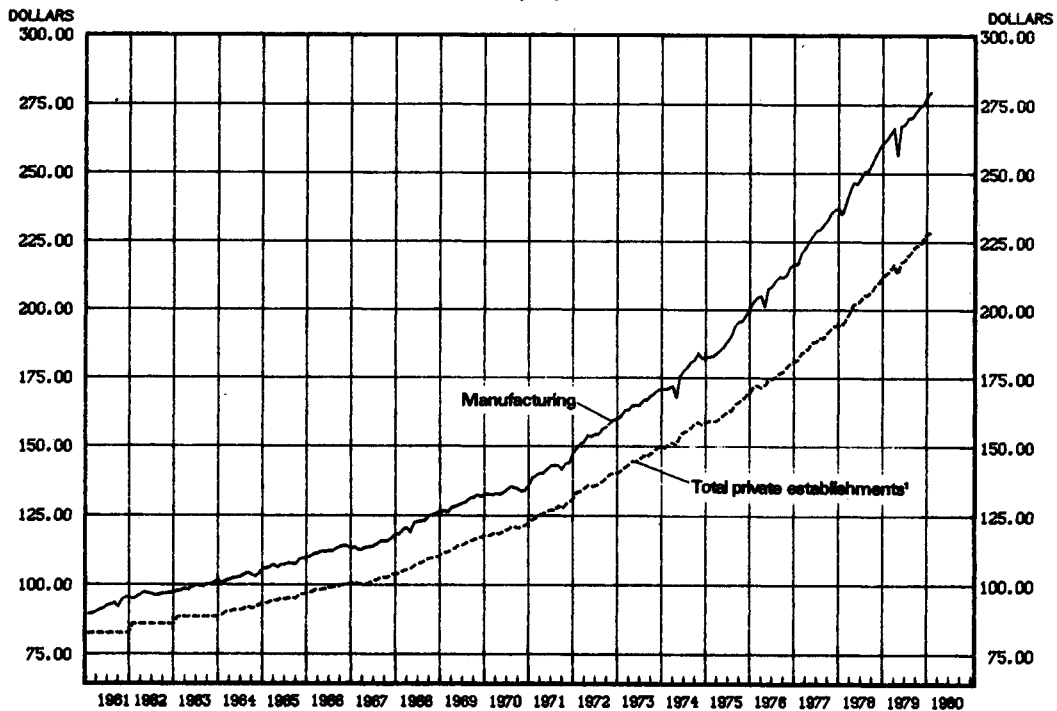


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

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

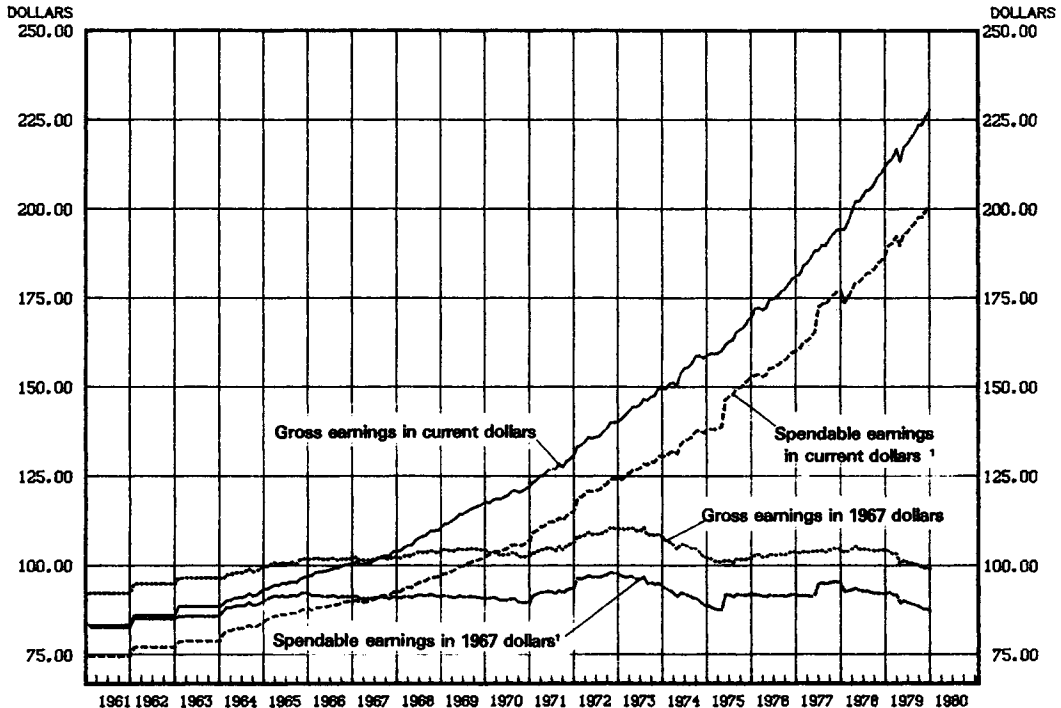


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

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

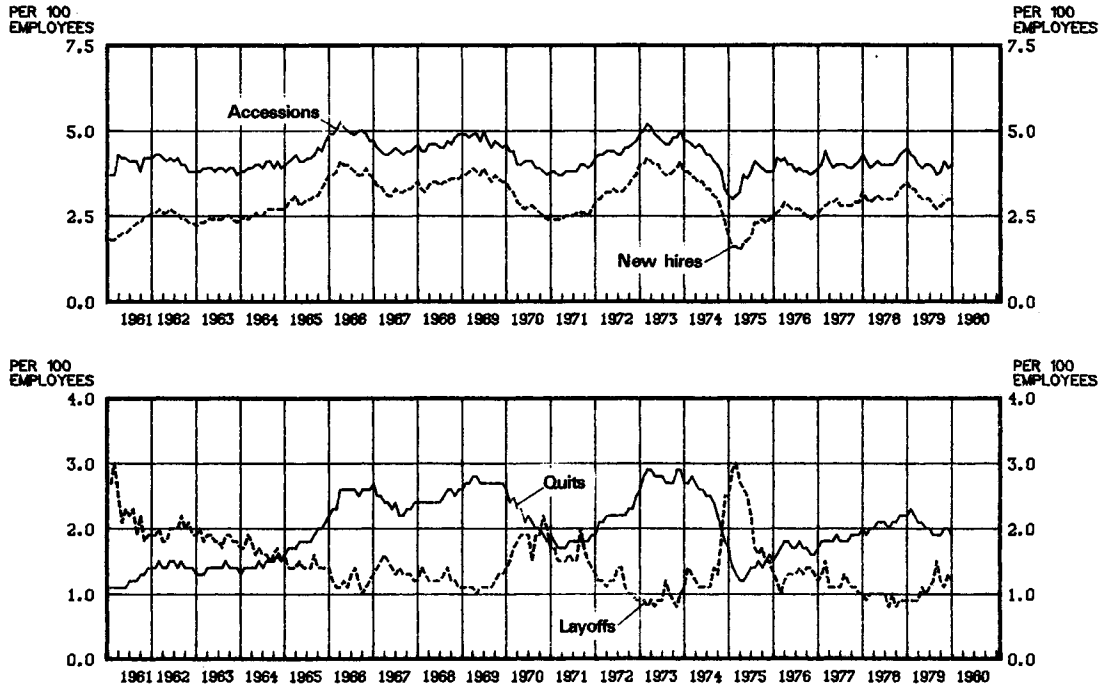


¹ Married worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-9.

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



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

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

[Numbers in thousands]

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural industries	Number	Percent of labor force	
Annual averages										
TOTAL										
1947.....	103,418	60,941	59.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,511	62,903	59.6	61,286	57,051	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,958	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953.....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,030	5,565	59,065	3,740	5.5	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ¹	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,173	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,693	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,132	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	161,658	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,820	104,496	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
Monthly data, seasonally adjusted²										
1979:										
January..	162,448	104,155	64.1	102,061	96,157	3,260	92,897	5,904	5.8	58,292
February..	162,633	104,473	64.2	102,379	96,496	3,307	93,189	5,883	5.7	58,160
March.....	162,909	104,595	64.2	102,505	96,623	3,320	93,303	5,882	5.7	58,314
April.....	163,006	104,280	64.0	102,198	96,254	3,215	93,039	5,944	5.8	58,278
May.....	163,260	104,476	64.0	102,393	96,495	3,246	93,249	5,903	5.8	58,784
June.....	163,469	104,552	64.0	102,476	96,652	3,243	93,409	5,824	5.7	58,917
July.....	163,685	105,175	64.3	103,093	97,184	3,267	93,917	5,909	5.7	58,511
August.....	163,891	105,218	64.2	103,128	97,004	3,315	93,689	6,124	5.9	58,673
September	164,106	105,586	64.3	103,494	97,504	3,364	94,140	5,990	5.8	58,519
October..	164,468	105,688	64.3	103,595	97,474	3,294	94,180	6,121	5.9	58,780
November..	164,682	105,744	64.2	103,652	97,608	3,385	94,223	6,044	5.8	58,937
December..	164,898	106,088	64.3	103,999	97,912	3,359	94,553	6,087	5.9	58,810
1980:										
January..	165,101	106,310	64.4	104,229	97,804	3,270	94,534	6,425	6.2	58,791

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

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

**HOUSEHOLD DATA
HISTORICAL**

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

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
MALES										
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	49,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
Monthly data, seasonally adjusted²										
1979:										
January..	77,839	61,286	78.7	59,323	56,326	2,609	53,717	2,997	5.1	16,553
February..	77,926	61,397	78.8	59,434	56,476	2,655	53,821	2,958	5.0	16,529
March....	78,058	61,376	78.6	59,421	56,449	2,656	53,793	2,972	5.0	16,682
April....	78,105	61,240	78.4	59,293	56,294	2,593	53,701	2,999	5.1	16,865
May.....	78,225	61,257	78.3	59,313	56,372	2,608	53,764	2,941	5.0	16,968
June.....	78,323	61,311	78.3	59,370	56,477	2,600	53,877	2,893	4.9	17,012
July.....	78,427	61,540	78.5	59,597	56,570	2,614	53,956	3,027	5.1	16,887
August...	78,525	61,437	78.2	59,491	56,408	2,650	53,758	3,083	5.2	17,088
September	78,627	61,759	78.5	59,812	56,714	2,677	54,037	3,098	5.2	16,867
October..	78,805	61,675	78.3	59,727	56,629	2,666	53,963	3,098	5.2	17,130
November..	78,906	61,652	78.1	59,704	56,580	2,716	53,864	3,124	5.2	17,255
December..	79,009	61,762	78.2	59,823	56,734	2,714	54,020	3,089	5.2	17,247
1980:										
January..	79,104	61,810	78.1	59,878	56,486	2,665	53,821	3,392	5.7	17,295
Annual averages										
FEMALES										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
1979.....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
Monthly data, seasonally adjusted²										
1979:										
January..	84,608	42,870	50.7	42,738	39,831	651	39,180	2,907	6.8	41,739
February..	84,707	43,077	50.9	42,945	40,020	652	39,368	2,925	6.8	41,631
March....	84,851	43,220	50.9	43,084	40,174	664	39,510	2,910	6.8	41,632
April....	84,903	43,040	50.7	42,905	39,960	622	39,338	2,945	6.9	41,863
May.....	85,035	43,220	50.8	43,085	40,123	638	39,485	2,962	6.9	41,815
June.....	85,145	43,241	50.8	43,106	40,175	643	39,532	2,931	6.8	41,905
July.....	85,259	43,635	51.2	43,496	40,614	653	39,961	2,882	6.6	41,624
August...	85,366	43,782	51.3	43,637	40,596	665	39,931	3,041	7.0	41,585
September	85,479	43,827	51.3	43,682	40,790	687	40,103	2,892	6.6	41,652
October..	85,663	44,013	51.4	43,868	40,845	628	40,217	3,023	6.9	41,651
November..	85,775	44,093	51.4	43,948	41,028	669	40,359	2,920	6.6	41,683
December..	85,889	44,326	51.6	44,176	41,178	645	40,533	2,998	6.8	41,563
1980:										
January..	85,997	44,501	51.7	44,352	41,318	605	40,713	3,034	6.8	41,495

¹ See footnote 1, table A-1.

² See footnote 2, table A-1.

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

[Numbers in thousands]

Sex, age, and race	January 1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	61,116	77.3	59,184	55,251	3,933	6.6	17,988	465	4,400	1,728	11,395
16 to 21 years	8,286	65.3	7,639	6,354	1,286	16.8	4,412	23	3,708	36	644
16 to 19 years	4,855	57.7	4,572	3,749	823	18.0	3,554	15	3,130	19	390
16 to 17 years	1,876	45.3	1,858	1,470	388	20.9	2,264	3	2,126	10	126
18 to 19 years	2,979	69.8	2,714	2,279	435	16.0	1,290	12	1,003	10	264
20 to 64 years	54,395	89.3	52,747	49,712	3,035	5.8	6,548	216	1,267	1,233	3,832
20 to 24 years	8,866	85.9	8,138	7,122	1,016	12.5	1,456	16	928	46	466
25 to 54 years	38,436	94.3	37,518	35,768	1,749	4.7	2,330	93	331	649	1,259
25 to 29 years	8,699	94.8	8,340	7,770	570	6.8	478	13	208	45	212
30 to 34 years	7,981	96.2	7,732	7,340	392	5.1	317	12	56	71	177
35 to 39 years	6,419	95.7	6,230	5,960	270	4.3	286	12	28	83	163
40 to 44 years	5,314	94.9	5,228	5,048	180	3.4	286	18	13	89	165
45 to 49 years	4,989	92.7	4,959	4,789	170	3.4	394	16	13	146	219
50 to 54 years	5,034	89.3	5,027	4,860	168	3.3	570	21	12	214	323
55 to 64 years	7,093	72.0	7,092	6,823	269	3.8	2,762	107	9	539	2,108
55 to 59 years	4,406	82.0	4,405	4,263	142	3.2	964	44	6	271	643
60 to 64 years	2,687	59.9	2,687	2,559	127	4.7	1,798	62	3	268	1,465
65 years and over	1,866	19.1	1,866	1,791	75	4.0	7,886	234	3	476	7,173
65 to 69 years	1,058	27.8	1,058	1,009	49	4.6	2,753	66	2	177	2,508
70 years and over	808	13.6	808	782	27	3.3	5,133	168	1	299	4,665
White											
16 years and over	54,343	78.1	52,840	49,700	3,140	5.9	15,249	369	3,464	1,361	10,055
16 to 21 years	7,316	67.9	6,831	5,800	1,031	15.1	3,454	9	2,895	30	520
16 to 19 years	4,334	61.0	4,122	3,454	669	16.2	2,774	5	2,428	18	323
16 to 17 years	1,692	43.6	1,677	1,357	321	19.1	1,788	3	1,676	8	101
18 to 19 years	2,642	72.8	2,445	2,097	348	14.2	986	3	752	10	221
20 to 64 years	48,321	93.0	47,030	44,617	2,413	5.1	5,386	164	1,033	967	3,223
20 to 24 years	7,694	86.8	7,146	6,362	784	11.0	1,167	12	762	35	358
25 to 54 years	34,123	94.9	33,381	31,983	1,398	4.2	1,820	67	265	498	991
25 to 29 years	14,706	96.0	14,225	13,458	767	5.4	612	18	217	89	289
30 to 34 years	10,453	96.0	10,224	9,869	356	3.5	433	23	31	121	258
35 to 44 years	8,964	92.0	8,932	8,657	275	3.1	775	25	17	289	443
55 to 64 years	6,504	73.0	6,503	6,272	232	3.6	2,400	85	6	434	1,875
55 to 59 years	4,035	83.4	4,034	3,908	126	3.1	805	30	5	212	558
60 to 64 years	2,469	60.8	2,469	2,364	106	4.3	1,595	55	1	222	1,317
65 years and over	1,687	19.2	1,687	1,629	58	3.4	7,089	199	3	376	6,510
Black and other											
16 years and over	6,774	71.2	6,345	5,552	793	12.5	2,739	96	936	367	1,340
16 to 21 years	971	50.3	809	554	255	31.6	958	14	813	6	125
16 to 19 years	521	40.0	449	295	154	34.4	780	10	702	1	67
16 to 17 years	184	27.9	180	113	67	37.5	476	--	450	1	24
18 to 19 years	337	52.6	269	182	87	32.3	304	10	252	--	43
20 to 64 years	6,074	83.9	5,716	5,095	621	10.9	1,162	51	234	266	609
20 to 24 years	1,172	80.2	991	759	232	23.4	289	4	166	11	108
25 to 54 years	4,312	89.4	4,136	3,785	352	8.5	510	26	66	150	269
25 to 29 years	1,975	91.5	1,848	1,653	195	10.5	182	7	48	27	100
30 to 34 years	1,279	90.2	1,234	1,140	95	7.7	139	8	10	52	70
35 to 44 years	1,058	84.8	1,054	992	62	5.9	189	11	8	71	99
55 to 64 years	589	61.9	589	551	38	6.4	362	21	3	105	233
55 to 59 years	372	70.1	372	355	16	4.4	159	14	1	59	84
60 to 64 years	217	51.6	217	196	21	9.8	203	7	1	46	149
65 years and over	179	18.3	179	161	18	9.9	797	35	--	100	663

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	January 1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	44,153	51.3	44,004	40,893	3,110	7.1	41,844	31,605	4,259	1,149	4,830
16 to 21 years	6,950	55.9	6,891	5,900	991	14.4	5,482	1,311	3,612	20	539
16 to 19 years	4,170	50.7	4,144	3,453	691	16.7	4,047	606	3,073	9	358
16 to 17 years	1,656	41.3	1,655	1,343	312	18.8	2,349	149	2,103	2	96
18 to 19 years	2,514	59.7	2,489	2,110	380	15.3	1,698	458	971	7	262
20 to 64 years	38,801	60.8	38,678	36,295	2,382	6.2	25,067	21,358	1,177	549	1,983
20 to 24 years	7,010	68.0	6,937	6,232	706	10.2	3,299	2,068	817	27	387
25 to 54 years	27,163	63.8	27,113	25,613	1,500	5.5	15,383	13,896	349	268	868
25 to 29 years	6,210	66.4	6,175	5,742	433	7.0	3,143	2,776	140	22	206
30 to 34 years	5,490	64.4	5,470	5,149	320	5.9	3,033	2,808	64	19	141
35 to 39 years	4,581	65.0	4,578	4,307	271	5.9	2,467	2,256	62	27	122
40 to 44 years	3,883	65.4	3,882	3,716	165	4.3	2,057	1,862	43	40	112
45 to 49 years	3,553	62.6	3,552	3,371	181	5.1	2,123	1,928	26	59	110
50 to 54 years	3,457	57.5	3,456	3,327	130	3.8	2,559	2,266	14	102	178
55 to 64 years	4,627	42.0	4,627	4,451	176	3.8	6,386	5,394	11	254	727
55 to 59 years	2,911	49.3	2,911	2,790	121	4.1	2,992	2,582	8	145	258
60 to 64 years	1,716	33.6	1,716	1,661	55	3.2	3,394	2,812	3	109	470
65 years and over	1,132	8.5	1,182	1,146	37	3.1	12,729	9,641	9	591	2,489
65 to 69 years	697	14.7	697	675	23	3.2	4,060	3,302	3	110	645
70 years and over	485	5.3	485	471	14	2.9	8,670	6,339	6	481	1,844
White											
16 years and over	38,223	51.1	38,110	35,720	2,391	6.3	36,607	28,297	3,315	878	4,116
16 to 21 years	6,122	58.5	6,073	5,322	757	12.4	4,334	1,044	2,828	12	450
16 to 19 years	3,715	53.9	3,696	3,164	532	14.4	3,183	482	2,395	6	300
16 to 17 years	1,536	45.0	1,505	1,245	260	17.3	1,844	114	1,652	3	74
18 to 19 years	2,209	62.2	2,191	1,920	271	12.4	1,340	368	744	3	226
20 to 64 years	33,466	60.5	33,373	31,545	1,829	5.5	21,865	18,940	911	395	1,619
20 to 24 years	6,055	69.5	6,000	5,496	503	8.4	2,655	1,689	627	22	317
25 to 54 years	23,275	63.4	23,237	22,059	1,179	5.1	13,463	12,305	274	197	686
25 to 29 years	9,896	64.7	9,862	9,299	563	5.7	5,389	4,944	153	31	260
30 to 34 years	7,270	64.8	7,267	6,913	354	4.9	3,955	3,636	88	47	183
35 to 44 years	6,109	59.7	6,108	5,847	261	4.3	4,119	3,724	33	119	243
55 to 64 years	4,136	41.8	4,136	3,989	147	3.5	5,748	4,947	9	175	616
55 to 59 years	2,591	49.1	2,591	2,495	96	3.7	2,691	2,367	7	106	212
60 to 64 years	1,545	33.6	1,545	1,495	51	3.3	3,056	2,580	3	69	404
65 years and over	1,041	8.3	1,041	1,011	30	2.9	11,559	8,875	9	477	2,198
Black and other											
16 years and over	5,930	53.1	5,893	5,174	720	12.2	5,237	3,308	944	272	714
16 to 21 years	828	41.9	813	579	234	28.8	1,148	267	784	8	89
16 to 19 years	455	34.5	448	289	159	35.6	864	124	678	3	58
16 to 17 years	150	22.9	149	98	51	34.2	506	34	451	--	22
18 to 19 years	305	46.0	299	190	108	36.3	358	90	227	4	37
20 to 64 years	5,334	62.5	5,304	4,751	554	10.4	3,202	2,418	266	155	364
20 to 24 years	956	59.8	938	735	202	21.6	644	379	190	5	70
25 to 54 years	3,888	66.9	3,876	3,554	322	8.3	1,920	1,591	75	71	183
25 to 29 years	1,794	69.5	1,782	1,592	190	10.7	788	640	51	11	87
30 to 34 years	1,194	67.7	1,193	1,111	83	6.9	569	482	17	19	50
35 to 44 years	901	61.5	901	851	50	5.5	563	470	7	41	45
55 to 64 years	491	43.5	491	461	29	6.0	638	447	1	79	111
55 to 59 years	320	51.5	320	295	25	7.7	301	215	1	39	46
60 to 64 years	171	33.6	171	166	5	2.7	337	232	--	40	65
65 years and over	141	10.7	141	134	6	4.6	1,171	766	--	113	291

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
MALES								
16 years and over	60,467	61,116	77.7	77.3	58,505	59,184	77.1	76.7
16 to 19 years	4,974	4,855	58.8	57.7	4,671	4,572	57.3	56.3
16 to 17 years	1,931	1,876	46.0	45.3	1,912	1,858	45.7	45.1
18 to 19 years	3,042	2,979	71.5	69.8	2,759	2,714	69.5	67.8
20 to 24 years	8,756	6,866	85.8	85.9	8,019	8,138	84.7	84.8
25 to 54 years	37,687	38,436	94.3	94.3	36,765	37,518	94.2	94.2
25 to 34 years	16,096	16,681	95.2	95.5	15,490	16,072	95.0	95.3
35 to 44 years	11,439	11,733	95.7	95.4	11,161	11,459	95.6	95.2
45 to 54 years	10,151	10,023	91.7	91.2	10,114	9,986	91.6	91.2
55 to 64 years	7,160	7,093	73.6	72.0	7,158	7,092	73.6	72.0
55 to 59 years	4,403	4,406	82.5	82.0	4,402	4,405	82.5	82.0
60 to 64 years	2,757	2,687	62.8	59.9	2,757	2,687	62.8	59.9
65 years and over	1,890	1,866	19.9	19.1	1,890	1,866	19.9	19.1
White								
16 years and over	53,841	54,343	78.5	78.1	52,277	52,840	78.0	77.6
16 to 19 years	4,440	4,334	62.0	61.0	4,206	4,122	60.7	59.8
16 to 17 years	1,767	1,692	49.9	48.6	1,751	1,677	49.6	48.4
18 to 19 years	2,673	2,642	73.8	72.8	2,455	2,445	72.1	71.3
20 to 24 years	7,624	7,694	86.8	86.8	7,052	7,146	85.9	86.0
25 to 54 years	33,536	34,123	95.0	94.9	32,778	33,381	94.9	94.8
25 to 34 years	14,237	14,706	95.8	96.0	13,747	14,225	95.7	95.9
35 to 44 years	10,200	10,453	96.4	96.0	9,966	10,224	96.3	95.9
45 to 54 years	9,099	8,964	92.5	92.0	9,066	8,932	92.4	92.0
55 to 64 years	6,536	6,504	74.3	73.0	6,535	6,503	74.3	73.0
55 to 59 years	4,009	4,035	83.4	83.4	4,008	4,034	83.4	83.4
60 to 64 years	2,527	2,469	63.4	60.8	2,527	2,469	63.4	60.8
65 years and over	1,705	1,687	19.9	19.2	1,705	1,687	19.9	19.2
Black and other								
16 years and over	6,626	6,774	71.7	71.2	6,228	6,345	70.4	69.8
16 to 19 years	533	521	41.4	40.0	465	449	38.2	36.6
16 to 17 years	164	184	25.0	27.9	161	180	24.6	27.5
18 to 19 years	369	337	58.6	52.6	304	269	53.8	47.0
20 to 24 years	1,132	1,172	79.7	80.2	967	991	77.1	77.4
25 to 54 years	4,151	4,312	89.1	89.4	3,987	4,136	88.7	89.0
25 to 34 years	1,859	1,975	90.6	91.5	1,743	1,848	90.0	91.0
35 to 44 years	1,240	1,279	90.1	90.2	1,195	1,234	89.8	89.9
45 to 54 years	1,052	1,058	85.3	84.8	1,048	1,054	85.3	84.8
55 to 64 years	624	589	67.1	61.9	624	589	67.1	61.9
55 to 59 years	394	372	74.9	70.1	394	372	74.9	70.1
60 to 64 years	230	217	56.9	51.6	230	217	56.9	51.6
65 years and over	186	179	19.6	18.3	186	179	19.6	18.3

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
FEMALES								
16 years and over	42,494	44,153	50.2	51.3	42,362	44,004	50.1	51.3
16 to 19 years	4,227	4,170	51.1	50.7	4,204	4,144	51.0	50.6
16 to 17 years	1,688	1,656	41.5	41.3	1,687	1,655	41.5	41.3
18 to 19 years	2,539	2,514	60.4	59.7	2,517	2,489	60.2	59.5
20 to 24 years	6,889	7,010	67.6	68.0	6,822	6,937	67.4	67.8
25 to 54 years	25,664	27,163	61.5	63.8	25,622	27,113	61.5	63.8
25 to 34 years	10,925	11,690	63.2	65.4	10,887	11,645	63.1	65.3
35 to 44 years	7,825	8,464	62.0	65.2	7,821	8,460	62.0	65.2
45 to 54 years	6,914	7,010	58.5	60.0	6,913	7,009	58.5	60.0
55 to 64 years	4,573	4,627	42.1	42.0	4,573	4,627	42.1	42.0
55 to 59 years	2,954	2,911	48.7	49.3	2,854	2,911	48.7	49.3
60 to 64 years	1,719	1,716	34.4	33.6	1,719	1,716	34.4	33.6
65 years and over	1,141	1,182	8.4	8.5	1,141	1,182	8.4	8.5
White								
16 years and over	36,815	38,223	49.9	51.1	36,712	38,110	49.8	51.0
16 to 19 years	3,770	3,715	54.2	53.9	3,752	3,696	54.1	53.7
16 to 17 years	1,509	1,506	44.2	45.0	1,508	1,505	44.2	44.9
18 to 19 years	2,261	2,209	63.7	62.2	2,244	2,191	63.6	62.1
20 to 24 years	5,961	6,055	69.1	69.5	5,908	6,000	68.9	69.3
25 to 54 years	21,976	23,275	60.9	63.4	21,943	23,237	60.8	63.3
25 to 34 years	9,255	9,896	62.4	64.7	9,226	9,862	62.4	64.7
35 to 44 years	6,671	7,270	61.2	64.8	6,668	7,267	61.1	64.8
45 to 54 years	6,050	6,109	58.3	59.7	6,049	6,108	58.3	59.7
55 to 64 years	4,103	4,136	42.0	41.8	4,103	4,136	42.0	41.8
55 to 59 years	2,561	2,591	48.8	49.1	2,561	2,591	48.8	49.1
60 to 64 years	1,541	1,545	34.1	33.6	1,541	1,545	34.1	33.6
65 years and over	1,006	1,041	8.2	8.3	1,006	1,041	8.2	8.3
Black and other								
16 years and over	5,679	5,930	52.3	53.1	5,651	5,893	52.2	52.9
16 to 19 years	457	455	34.8	34.5	452	448	34.6	34.1
16 to 17 years	179	150	27.3	22.9	179	149	27.3	22.8
18 to 19 years	278	305	42.3	46.0	273	299	41.9	45.5
20 to 24 years	928	956	59.5	59.8	914	938	59.1	59.3
25 to 54 years	3,688	3,888	65.7	66.9	3,679	3,876	65.6	66.9
25 to 34 years	1,670	1,794	67.8	69.5	1,661	1,782	67.7	69.3
35 to 44 years	1,154	1,194	67.7	67.7	1,154	1,193	67.6	67.7
45 to 54 years	864	901	59.8	61.5	864	901	59.8	61.5
55 to 64 years	471	491	42.9	43.5	471	491	42.9	43.5
55 to 59 years	293	320	47.8	51.5	293	320	47.8	51.5
60 to 64 years	178	171	36.6	33.6	178	171	36.6	33.6
65 years and over	135	141	10.6	10.7	135	141	10.6	10.7

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

[Numbers in thousands]

Sex and age	January 1980						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed		Unemployed			
		Total	Agriculture	Nonagricultural industries	Number		
TOTAL							
16 years and over	10,339	8,988	217	8,771	1,351	13.1	6,901
16 to 19 years	758	469	11	458	288	38.1	1,461
16 to 17 years	269	168	4	164	102	37.7	883
18 to 19 years	488	302	7	295	187	38.2	578
20 to 24 years	1,647	1,251	30	1,221	396	24.0	805
25 to 54 years	6,721	6,132	141	5,991	588	8.7	2,021
25 to 34 years	3,028	2,694	42	2,652	335	11.1	771
35 to 44 years	2,052	1,894	53	1,841	158	7.7	600
45 to 54 years	1,640	1,545	46	1,499	95	5.8	651
55 to 64 years	935	876	17	858	59	6.3	892
55 to 59 years	594	560	9	551	35	5.8	411
60 to 64 years	340	316	8	308	24	7.1	481
65 years and over	279	260	13	242	19	7.0	1,721
Males							
16 years and over	5,347	4,623	190	4,433	724	13.5	2,378
16 to 19 years	379	236	10	226	142	37.5	688
16 to 17 years	147	90	4	86	58	39.5	428
18 to 19 years	231	147	6	141	85	36.8	260
20 to 24 years	852	637	25	612	215	25.2	237
25 to 54 years	3,465	3,148	123	3,025	317	9.1	441
25 to 34 years	1,528	1,355	35	1,320	174	11.4	151
35 to 44 years	1,046	959	47	911	88	8.4	121
45 to 54 years	890	835	41	795	55	6.2	170
55 to 64 years	502	467	16	450	36	7.2	330
55 to 59 years	316	301	9	291	16	5.1	148
60 to 64 years	185	166	6	160	20	10.8	182
65 years and over	149	135	17	118	13	8.7	682
Females							
16 years and over	4,992	4,365	27	4,338	627	12.6	4,523
16 to 19 years	379	233	1	232	146	38.5	773
16 to 17 years	122	78	--	78	44	36.1	455
18 to 19 years	257	155	1	154	102	39.7	318
20 to 24 years	795	614	5	609	181	22.7	568
25 to 54 years	3,256	2,984	18	2,966	271	8.3	1,580
25 to 34 years	1,500	1,339	7	1,332	161	10.7	620
35 to 44 years	1,006	935	6	930	70	7.0	479
45 to 54 years	750	710	5	704	40	5.4	481
55 to 64 years	433	409	1	408	23	5.4	562
55 to 59 years	278	259	--	260	19	6.8	263
60 to 64 years	155	150	2	148	4	2.9	299
65 years and over	130	125	1	124	6	4.6	1,039

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

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
TOTAL								
Total noninstitutional population	162,448	165,101	69,385	70,695	76,337	77,779	16,725	16,627
Total labor force	102,961	105,269	55,493	56,261	38,267	39,983	9,201	9,026
Percent of population	63.4	63.8	80.0	79.6	50.1	51.4	55.0	54.3
Civilian labor force	100,867	103,188	53,833	54,613	38,158	39,860	8,875	8,715
Employed	94,436	96,145	51,227	51,503	35,849	37,441	7,360	7,201
Agriculture	2,762	2,782	2,084	2,160	451	407	228	215
Nonagricultural industries	91,673	93,363	49,143	49,343	35,398	37,034	7,132	6,986
Unemployed	6,431	7,043	2,607	3,110	2,309	2,419	1,515	1,514
Percent of labor force	6.4	6.8	4.8	5.7	6.1	6.1	17.1	17.4
Not in labor force	59,487	59,832	13,892	14,434	38,070	37,796	7,525	7,601
White								
Total noninstitutional population	142,351	144,421	61,428	62,483	66,797	67,931	14,126	14,007
Total labor force	90,656	92,565	49,401	50,008	33,045	34,507	8,210	8,050
Percent of population	63.7	64.1	80.4	80.0	49.5	50.8	58.1	57.5
Civilian labor force	88,988	90,950	48,071	48,717	32,959	34,414	7,958	7,818
Employed	83,950	85,420	45,989	46,246	31,215	32,556	6,746	6,618
Agriculture	2,498	2,515	1,868	1,939	415	374	215	202
Nonagricultural industries	81,452	82,905	44,121	44,308	30,800	32,182	6,531	6,416
Unemployed	5,038	5,530	2,082	2,471	1,744	1,859	1,212	1,200
Percent of labor force	5.7	6.1	4.3	5.1	5.3	5.4	15.2	15.4
Not in labor force	51,695	51,856	12,028	12,475	33,752	33,424	5,915	5,957
Black and other								
Total noninstitutional population	20,097	20,680	7,957	8,212	9,540	9,848	2,600	2,620
Total labor force	12,305	12,704	6,093	6,253	5,222	5,475	990	976
Percent of population	61.2	61.4	76.6	76.1	54.7	55.6	38.1	37.3
Civilian labor force	11,879	12,238	5,763	5,895	5,198	5,445	917	897
Employed	10,486	10,725	5,238	5,256	4,634	4,885	614	584
Agriculture	264	267	216	221	36	33	12	13
Nonagricultural industries	10,222	10,458	5,022	5,035	4,598	4,852	601	570
Unemployed	1,393	1,513	525	639	564	560	304	314
Percent of labor force	11.7	12.4	9.1	10.8	10.9	10.3	33.1	35.0
Not in labor force	7,792	7,976	1,864	1,959	4,318	4,373	1,609	1,644

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

(Numbers in thousands)

Employment status	January 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,130	12,698	12,432	21,226	10,769	10,456	3,905	1,929	1,976
Total labor force	15,236	8,286	6,950	13,438	7,316	6,122	1,798	971	828
Percent of population	60.6	65.3	55.9	63.3	67.9	58.5	46.1	50.3	41.9
Civilian labor force	14,530	7,639	6,891	12,909	6,831	6,078	1,622	809	813
Employed	12,254	6,354	5,900	11,122	5,800	5,322	1,132	554	579
Agriculture	353	294	59	325	271	54	28	23	5
Nonagricultural industries	11,901	6,060	5,841	10,796	5,529	5,267	1,105	531	574
Unemployed	2,276	1,286	991	1,787	1,031	757	489	255	234
Looking for full-time work	1,359	799	560	1,028	617	410	331	181	150
Looking for part-time work	917	487	430	759	413	346	158	74	84
Percent of labor force	15.7	16.8	14.4	13.8	15.1	12.4	30.2	31.6	28.8
Not in labor force	9,894	4,412	5,482	7,788	3,454	4,334	2,106	958	1,148
Major activity: going to school									
Civilian labor force	3,990	2,133	1,858	3,605	1,947	1,659	385	186	199
Employed	3,251	1,720	1,531	2,998	1,604	1,393	253	116	137
Agriculture	101	86	15	100	85	15	1	1	--
Nonagricultural industries	3,150	1,634	1,516	2,898	1,520	1,378	252	115	137
Unemployed	739	412	327	607	342	265	132	70	62
Looking for full-time work	56	34	22	33	17	16	23	17	6
Looking for part-time work	684	379	305	575	326	249	109	53	56
Percent of labor force	18.5	19.3	17.6	16.8	17.6	16.0	34.3	37.8	31.0
Not in labor force	7,320	3,708	3,612	5,722	2,895	2,828	1,598	813	784
Major activity: other									
Civilian labor force	10,540	5,507	5,033	9,304	4,884	4,420	1,236	623	614
Employed	9,003	4,633	4,370	8,124	4,196	3,928	879	438	441
Agriculture	252	208	44	226	186	40	26	22	5
Nonagricultural industries	8,751	4,425	4,326	7,898	4,009	3,889	853	416	437
Unemployed	1,537	873	664	1,180	688	491	357	185	172
Looking for full-time work	1,304	765	538	995	601	394	309	164	144
Looking for part-time work	233	108	125	185	88	97	49	21	28
Percent of labor force	14.6	15.9	13.2	12.7	14.1	11.1	28.9	29.7	28.1
Not in labor force	2,574	704	1,870	2,066	559	1,507	509	145	364

HOUSEHOLD DATA

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

[Numbers in thousands]

Race, sex, and age	January 1980								
	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									
Both sexes, 16 years and over.....	87,035	78,007	3,547	5,482	6.3	16,153	14,591	1,561	9.7
16 to 21 years.....	8,725	6,605	762	1,359	15.6	5,805	4,888	917	15.8
16 to 19 years.....	4,043	2,870	423	750	18.6	4,672	3,908	764	16.4
16 to 17 years.....	547	311	86	151	27.6	2,965	2,416	549	18.5
18 to 19 years.....	3,496	2,560	337	599	17.1	1,708	1,492	215	12.6
20 years and over.....	82,992	75,137	3,124	4,732	5.7	11,480	10,683	797	6.9
20 to 24 years.....	12,919	10,738	701	1,479	11.5	2,156	1,914	242	11.2
25 years and over.....	70,073	64,398	2,422	3,252	4.6	9,324	8,769	556	6.0
25 to 54 years.....	58,211	53,452	1,917	2,842	4.9	6,420	6,012	409	6.4
55 years and over.....	11,863	10,946	505	410	3.5	2,904	2,757	147	5.1
Males, 16 years and over.....	53,900	49,039	1,599	3,262	6.1	5,284	4,613	671	12.7
16 to 21 years.....	4,786	3,656	331	799	16.7	2,853	2,366	487	17.1
16 to 19 years.....	2,209	1,630	171	407	18.4	2,362	1,947	416	17.6
20 years and over.....	51,691	47,408	1,428	2,854	5.5	2,922	2,666	256	8.7
20 to 24 years.....	7,263	6,024	331	908	12.5	875	767	108	12.3
25 years and over.....	44,428	41,384	1,097	1,946	4.4	2,048	1,900	147	7.2
25 to 54 years.....	36,704	34,164	857	1,684	4.6	814	748	65	8.0
55 years and over.....	7,724	7,221	240	262	3.4	1,234	1,152	82	6.6
Females, 16 years and over.....	33,135	28,968	1,947	2,220	6.7	10,868	9,978	890	8.2
16 to 21 years.....	3,939	2,948	431	560	14.2	2,952	2,521	430	14.6
16 to 19 years.....	1,834	1,240	251	343	18.7	2,310	1,961	348	15.1
20 years and over.....	31,301	27,728	1,696	1,877	6.0	8,558	8,017	542	6.3
20 to 24 years.....	5,656	4,714	371	571	10.1	1,282	1,147	135	10.5
25 years and over.....	25,645	23,014	1,326	1,306	5.1	7,277	6,869	406	5.6
25 to 54 years.....	21,507	19,288	1,061	1,158	5.4	5,607	5,264	343	6.1
55 years and over.....	4,139	3,726	265	148	3.6	1,670	1,605	64	3.8
White									
Males, 16 years and over.....	48,076	44,113	1,387	2,576	5.4	4,763	4,200	563	11.8
16 to 21 years.....	4,229	3,314	297	617	14.6	2,602	2,189	413	15.9
16 to 19 years.....	1,973	1,499	153	321	16.3	2,149	1,802	348	16.2
20 years and over.....	46,104	42,614	1,234	2,255	4.9	2,614	2,398	216	8.3
20 to 24 years.....	6,358	5,384	288	685	10.8	788	689	99	12.5
25 years and over.....	39,746	37,230	945	1,570	4.0	1,826	1,708	117	6.4
25 to 54 years.....	32,682	30,595	738	1,349	4.1	700	650	50	7.1
55 years and over.....	7,064	6,636	207	222	3.1	1,126	1,058	68	6.0
Females, 16 years and over.....	28,222	24,959	1,616	1,646	5.8	9,888	9,144	744	7.5
16 to 21 years.....	3,416	2,611	394	410	12.0	2,662	2,316	346	13.0
16 to 19 years.....	1,607	1,125	231	251	15.6	2,089	1,808	281	13.4
20 years and over.....	26,614	23,834	1,385	1,395	5.2	7,800	7,337	463	5.9
20 to 24 years.....	4,850	4,126	323	401	8.3	1,149	1,047	102	8.9
25 years and over.....	21,764	19,708	1,062	994	4.6	6,651	6,289	362	5.4
25 to 54 years.....	18,062	16,328	864	870	4.8	5,175	4,866	309	6.0
55 years and over.....	3,701	3,380	198	124	3.4	1,476	1,423	53	3.6
Black and other									
Males, 16 years and over.....	5,824	4,926	212	685	11.8	521	413	108	20.7
16 to 21 years.....	557	342	34	181	32.5	251	178	74	29.4
16 to 19 years.....	236	132	18	86	36.6	213	145	68	31.9
20 years and over.....	5,587	4,794	194	599	10.7	308	268	40	12.9
20 to 24 years.....	905	640	42	223	24.6	87	77	9	10.8
25 years and over.....	4,682	4,154	152	376	8.0	222	191	30	13.5
25 to 54 years.....	4,022	3,569	118	335	8.3	114	98	15	13.2
55 years and over.....	660	585	33	40	6.1	108	94	14	13.0
Females, 16 years and over.....	4,914	4,009	331	573	11.7	980	834	146	14.9
16 to 21 years.....	524	337	36	150	28.7	289	205	84	29.0
16 to 19 years.....	227	115	20	92	40.5	221	154	68	30.6
20 years and over.....	4,687	3,894	311	482	10.3	759	680	79	10.4
20 to 24 years.....	805	580	48	170	21.1	133	100	33	24.6
25 years and over.....	3,882	3,307	263	312	8.0	626	580	46	7.3
25 to 54 years.....	3,444	2,960	196	287	8.3	432	398	34	7.9
55 years and over.....	437	346	67	24	5.5	194	182	12	6.2

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

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

[Numbers in thousands]

Family relationship	January 1980									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	103,188	63.3	96,145	7,043	6.8	59,832	32,070	8,659	2,878	16,225
Husbands ¹	40,886	80.9	39,209	1,677	4.1	9,677	200	196	1,125	8,155
With employed wife	21,006	91.7	20,240	766	3.8	1,896	53	98	387	1,360
With unemployed wife	1,202	93.3	1,033	170	14.1	87	—	5	20	63
With wife not in labor force	16,928	70.2	16,310	618	3.7	7,181	114	72	650	6,345
Wives	24,192	50.1	22,903	1,289	5.3	24,109	21,922	269	305	1,613
With employed husband	21,273	56.6	20,240	1,033	4.9	16,309	15,298	235	110	666
With unemployed husband	936	60.2	766	170	18.2	618	582	11	8	18
With husband not in labor force	1,983	21.6	1,896	87	4.4	7,181	6,043	23	186	929
Relatives in husband-wife families	13,519	59.2	11,755	1,764	13.0	9,322	1,263	5,902	388	1,769
16-19 years	6,073	53.1	5,145	928	15.3	5,371	138	4,702	22	509
20-24 years	4,790	73.2	4,244	546	11.4	1,755	182	1,111	40	422
25 years and over	2,656	54.7	2,366	290	10.9	2,196	943	89	326	838
Women who head families	5,189	59.6	4,722	467	9.0	3,512	2,752	106	163	492
Relatives in female-headed families	4,248	55.0	3,432	816	19.2	3,482	822	1,577	279	804
16-19 years	1,367	47.1	1,011	356	26.0	1,533	95	1,260	7	171
20-24 years	1,284	70.7	992	292	22.7	531	122	254	18	137
25 years and over	1,597	53.0	1,429	168	10.5	1,418	605	63	254	496
Persons not living in families ²	15,154	60.9	14,124	1,030	6.8	9,730	5,111	609	618	3,392

¹ Includes a small number of single, separated, widowed, or divorced men who head families.

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

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

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
	Total, 16 years and over	3,447	3,933	5.9	6.6	2,984	3,110	7.0	7.1
Married, spouse present	1,291	1,656	3.2	4.1	1,359	1,364	5.7	5.6
Widowed, divorced, or separated	341	392	7.4	8.3	516	597	6.5	7.1
Single (never married)	1,815	1,884	13.1	13.0	1,109	1,149	10.4	10.3
White, 16 years and over	2,758	3,140	5.3	5.9	2,280	2,391	6.2	6.3
Married, spouse present	1,079	1,427	3.0	3.9	1,147	1,168	5.4	5.3
Widowed, divorced, or separated	252	258	6.8	6.7	358	440	5.6	6.5
Single (never married)	1,428	1,455	11.8	11.6	775	783	8.6	8.3
Black and other, 16 years and over	689	793	11.1	12.5	704	720	12.5	12.2
Married, spouse present	212	230	6.0	6.4	212	197	8.8	7.6
Widowed, divorced, or separated	89	134	10.0	15.4	158	157	10.1	9.7
Single (never married)	388	430	21.4	23.1	334	366	20.0	21.6
Total, 20 to 64 years of age	2,535	3,035	4.9	5.8	2,265	2,382	6.1	6.2
Married, spouse present	1,233	1,572	3.2	4.1	1,270	1,259	5.5	5.3
Widowed, divorced, or separated	320	371	7.4	8.3	471	571	6.5	7.4
Single (never married)	981	1,092	10.5	10.9	523	553	7.6	7.6
White, 20 to 64 years of age	2,024	2,413	4.4	5.1	1,704	1,829	5.3	5.5
Married, spouse present	1,034	1,355	3.0	3.9	1,065	1,074	5.2	5.1
Widowed, divorced, or separated	234	242	6.7	6.7	318	416	5.5	6.7
Single (never married)	756	817	9.5	9.5	322	339	5.7	5.7
Black and other, 20 to 64 years of age	511	621	9.2	10.9	560	554	11.1	10.4
Married, spouse present	199	217	5.9	6.3	205	184	8.7	7.4
Widowed, divorced, or separated	87	129	10.2	15.3	154	154	10.5	10.1
Single (never married)	224	274	16.7	19.3	201	215	16.2	16.8

HOUSEHOLD DATA

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
Total, 16 years and over	6,431	7,043	6.4	6.8	5.9	6.6	7.0	7.1
White-collar workers	1,787	1,861	3.6	3.6	2.5	2.4	4.5	4.6
Professional and technical	379	345	2.5	2.2	1.9	1.9	3.2	2.5
Managers and administrators, except farm	242	236	2.3	2.2	1.9	1.8	3.4	3.2
Sales workers	289	346	4.7	5.2	3.4	3.9	6.2	6.7
Clerical workers	878	934	4.8	4.9	4.1	3.1	5.0	5.4
Blue-collar workers	2,713	3,340	8.0	9.8	7.5	9.3	10.3	11.6
Craft and kindred workers	768	853	5.8	6.4	5.7	6.6	7.9	3.0
Carpenters and other construction craft	414	477	10.5	11.6	10.4	11.8	(1)	(1)
All other	354	376	3.8	4.1	3.5	4.2	7.1	2.8
Operatives, except transport	1,065	1,341	9.0	11.3	7.6	9.8	11.0	13.4
Transport equipment operatives	241	331	6.3	8.5	6.3	9.0	5.9	3.7
Nonfarm laborers	639	814	13.0	16.2	13.3	16.6	10.3	13.2
Construction laborers	233	283	23.2	28.3	23.5	28.2	(1)	(1)
All other	406	531	10.3	13.2	10.3	13.4	10.5	12.3
Service workers	1,155	1,038	8.4	7.5	8.4	7.7	8.4	7.5
Private household	60	44	5.4	4.3	(1)	(1)	5.2	4.3
All other	1,095	994	8.7	7.8	8.4	7.7	8.8	7.9
Farm workers	89	128	3.6	5.4	2.8	4.5	8.0	10.4
No previous work experience	688	676	--	--	--	--	--	--
16 to 19 years	503	466	--	--	--	--	--	--
20 to 24 years	113	129	--	--	--	--	--	--
25 years and over	73	81	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
Total, 16 years and over	100.0	100.0	6.4	6.8	5.9	6.6	7.0	7.1
Nonagricultural private wage and salary workers	76.0	77.5	6.6	7.2	6.2	7.2	7.1	7.1
Mining	.6	.9	4.6	6.6	5.2	7.1	.7	3.1
Construction	11.7	11.8	15.7	16.5	16.3	17.3	7.0	7.1
Manufacturing	20.1	24.8	5.7	7.5	4.5	6.4	8.3	9.8
Durable goods	10.6	15.0	5.0	7.5	4.5	7.0	6.6	9.0
Lumber and wood products	.9	1.3	7.6	14.1	7.7	13.7	7.2	16.4
Furniture and fixtures	.6	.6	6.4	7.7	7.9	9.3	3.6	4.0
Stone, clay, and glass products	.8	1.0	6.8	8.3	6.3	7.7	8.4	10.5
Primary metal industries	.8	1.4	4.1	7.6	3.9	7.1	5.6	11.7
Fabricated metal products	1.5	1.8	6.4	7.7	6.0	6.4	8.0	12.3
Machinery, except electrical equipment	1.0	1.5	2.3	3.8	2.2	3.4	2.6	5.0
Electrical equipment	1.8	1.8	5.1	5.1	3.5	3.5	7.2	7.0
Transportation equipment	1.8	4.1	4.8	12.6	4.5	12.1	5.9	14.9
Automobiles	1.2	3.4	5.4	18.6	4.9	17.6	8.0	23.1
Other transportation equipment	.6	.7	3.9	5.1	4.0	5.3	3.2	4.5
Instruments and related products	.3	.4	3.5	4.4	2.1	1.9	5.6	7.4
Other durable goods industries	1.2	1.0	10.1	9.3	8.1	7.4	12.8	12.1
Nondurable goods	9.5	9.9	6.8	7.5	4.5	5.3	9.9	10.6
Food and kindred products	2.4	2.6	8.2	9.5	5.7	7.2	13.7	14.1
Textile mill products	1.1	.8	7.7	6.7	6.1	3.1	9.6	10.3
Apparel and other textile products	2.0	2.4	9.2	11.9	2.9	7.4	10.7	12.9
Paper and allied products	.8	.6	7.3	6.1	4.4	5.7	15.7	7.5
Printing and publishing	1.1	1.2	4.8	5.3	4.7	4.1	5.1	7.3
Chemicals and allied products	.8	.8	4.2	4.3	3.9	3.2	5.1	7.1
Rubber and plastics products	.8	.9	6.5	8.1	3.9	7.0	10.8	10.0
Other nondurable goods industries	.5	.5	5.3	6.2	2.2	5.2	9.2	7.6
Transportation and public utilities	3.4	4.1	4.1	5.2	3.8	5.0	5.0	5.7
Railroads and railway express	.2	.3	2.6	3.6	2.9	3.5	(1)	(1)
Other transportation	2.4	2.9	6.0	7.7	5.6	7.9	7.3	6.6
Communication and other public utilities	.8	.9	2.3	2.7	1.5	1.3	3.8	5.0
Wholesale and retail trade	21.6	20.2	7.5	7.5	6.3	6.4	8.8	8.7
Finance, insurance, and real estate	2.9	2.4	3.4	3.1	3.1	2.4	3.7	3.5
Service industries	15.7	13.3	6.1	5.5	5.8	5.9	6.2	5.3
Professional services	6.5	5.2	4.3	3.6	3.4	3.2	4.7	3.8
All other service industries	9.2	8.0	8.7	8.4	8.1	8.6	9.2	8.3
Agricultural wage and salary workers	1.9	2.6	10.0	13.6	8.7	12.6	14.9	17.9
All other classes of workers	11.3	10.4	3.0	2.9	2.5	2.6	3.5	3.4
No previous work experience	10.7	9.6	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	6,431	7,043	2,607	3,110	2,309	2,419	1,515	1,514	5,038	5,530	1,393	1,513
Job losers	3,048	3,729	1,678	2,251	972	1,020	398	458	2,394	2,990	654	739
On layoff	1,146	1,550	641	1,001	384	406	120	143	953	1,334	193	217
Other job losers	1,902	2,179	1,037	1,250	588	614	278	315	1,441	1,656	461	522
Job leavers	943	819	366	328	403	337	174	153	796	673	147	145
Reentrants	1,753	1,822	494	462	817	920	443	439	1,341	1,405	412	416
New entrants	686	674	68	69	118	141	500	464	507	461	179	213
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	47.4	52.9	64.4	72.4	42.1	42.2	26.2	30.3	47.5	54.1	47.0	48.8
On layoff	17.8	22.0	24.6	32.2	16.6	16.8	7.9	9.5	18.9	24.1	13.9	14.3
Other job losers	29.6	30.9	39.8	40.2	25.5	25.4	18.3	20.8	28.6	30.0	33.1	34.5
Job leavers	14.7	11.6	14.0	10.5	17.4	14.0	11.5	10.1	15.8	12.2	10.5	9.6
Reentrants	27.3	25.9	18.9	14.9	35.4	38.0	29.2	29.0	26.6	25.4	29.6	27.5
New entrants	10.7	9.6	2.6	2.2	5.1	5.8	33.0	30.6	10.1	8.3	12.9	14.0
UNEMPLOYMENT RATE												
Total unemployment rate	6.4	6.8	4.8	5.7	6.1	6.1	17.1	17.4	5.7	6.1	11.7	12.4
Job loser rate ¹	3.0	3.6	3.1	4.1	2.5	2.5	4.5	5.2	2.7	3.3	5.5	6.1
Job leaver rate ¹ . . . . .	.9	.8	.7	.6	1.1	.8	2.0	1.8	.9	.7	1.2	1.2
Reentrant rate ¹	1.7	1.8	.9	.8	2.1	2.3	5.0	5.0	1.5	1.5	3.5	3.4
New entrant rate ¹ . . . . .	.7	.7	.1	.1	.3	.4	5.6	5.3	.6	.5	1.5	1.7

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

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

(Percent distribution)

Reason, sex, and age	January 1980						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,043	100.0	49.8	30.2	20.0	12.4	7.6
Job losers	3,729	100.0	45.1	33.6	21.4	13.1	8.2
On layoff	1,550	100.0	58.4	31.0	10.5	7.5	3.0
Other job losers	2,179	100.0	35.5	35.4	29.1	17.1	12.0
Job leavers	819	100.0	53.2	26.5	20.3	13.7	6.7
Reentrants	1,822	100.0	56.7	26.1	17.2	11.1	6.2
New entrants	674	100.0	53.0	27.4	19.6	10.3	9.3
Males, 20 years and over	3,110	100.0	44.4	33.2	22.3	13.2	9.2
Job losers	2,251	100.0	43.9	34.1	21.9	12.9	9.1
On layoff	1,001	100.0	56.8	33.3	9.9	6.6	3.4
Other job losers	1,250	100.0	33.6	34.8	31.6	17.9	13.7
Job leavers	328	100.0	42.1	31.0	26.9	17.4	9.4
Reentrants	462	100.0	50.8	29.3	20.0	11.7	8.3
New entrants	69	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over	2,419	100.0	52.4	27.0	20.5	13.0	7.5
Job losers	1,020	100.0	43.0	32.4	24.6	15.7	8.8
On layoff	406	100.0	58.3	28.8	12.9	9.7	3.3
Other job losers	614	100.0	33.0	34.8	32.3	19.7	12.5
Job leavers	337	100.0	56.6	23.8	19.6	13.6	5.9
Reentrants	920	100.0	59.8	23.6	16.6	10.0	6.7
New entrants	141	100.0	62.7	18.7	18.7	11.0	7.6
Both sexes, 16 to 19 years	1,514	100.0	56.5	29.0	14.5	9.9	4.6
Job losers	458	100.0	55.2	33.3	11.5	8.7	2.8
On layoff	143	100.0	70.4	21.6	8.0	8.1	--
Other job losers	315	100.0	48.3	38.7	13.0	8.9	4.1
Job leavers	153	100.0	69.2	22.8	8.0	5.7	2.3
Reentrants	439	100.0	56.5	27.8	15.6	12.8	2.8
New entrants	464	100.0	53.5	27.9	18.6	9.9	8.7

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

HOUSEHOLD DATA

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

Sex, age, and race	January 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	7,043	5,401	28.3	5.5	70.4	30.9	12.7	6.8	1.54
16 to 19 years	1,514	1,357	18.1	2.4	80.0	25.9	10.9	4.8	1.42
20 to 24 years	1,722	1,345	31.0	7.7	70.4	34.6	12.7	4.6	1.61
25 to 34 years	1,715	1,225	32.1	6.1	68.2	33.1	12.7	6.4	1.59
35 to 44 years	887	645	34.0	5.0	62.5	35.3	15.8	9.0	1.62
45 to 54 years	648	438	34.5	6.8	66.2	29.2	13.0	11.9	1.62
55 to 64 years	445	317	26.5	5.4	61.2	24.0	13.2	12.9	1.43
65 years and over	112	74	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	3,933	2,773	31.0	5.0	72.1	29.4	14.5	8.2	1.60
16 to 19 years	823	717	17.0	3.3	82.4	23.4	11.6	4.5	1.42
20 to 24 years	1,016	720	34.0	6.1	72.5	35.7	14.7	5.0	1.68
25 to 34 years	962	589	39.6	6.3	70.1	30.9	14.8	8.0	1.70
35 to 44 years	450	295	37.6	2.4	63.4	32.2	21.4	12.9	1.70
45 to 54 years	337	214	41.1	7.9	67.3	27.6	14.5	16.4	1.75
55 to 64 years	269	188	23.4	3.7	60.6	23.9	14.4	18.6	1.45
65 years and over	75	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,110	2,628	25.5	6.0	68.5	32.5	10.7	5.2	1.48
16 to 19 years	691	640	19.2	1.4	77.0	28.6	10.2	5.2	1.42
20 to 24 years	706	625	27.5	9.6	67.8	33.4	10.4	4.3	1.53
25 to 34 years	753	636	25.3	6.0	66.5	35.2	10.8	4.9	1.49
35 to 44 years	436	349	31.2	7.2	62.2	38.1	11.5	5.7	1.56
45 to 54 years	311	224	28.1	5.8	65.2	30.8	11.6	8.0	1.50
55 to 64 years	176	129	31.0	7.8	62.0	23.3	11.6	3.9	1.40
65 years and over	37	24	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,530	4,111	25.8	5.2	71.1	32.3	13.1	7.1	1.55
Males	3,140	2,124	29.0	4.5	72.8	30.6	14.8	9.0	1.61
Females	2,391	1,987	22.3	5.9	69.4	34.1	11.2	4.9	1.48
Black and other, 16 years and over	1,513	1,290	36.4	6.5	68.0	26.5	11.4	5.7	1.54
Males	793	649	37.3	6.8	70.0	25.7	13.6	5.4	1.59
Females	720	641	35.4	6.1	66.0	27.3	9.2	6.1	1.50

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

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

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

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

Sex and reason	January 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	7,043	5,401	28.3	5.5	70.4	30.9	12.7	6.8	1.54
Job losers	3,729	2,181	36.8	5.0	70.5	31.0	14.3	8.8	1.66
Job leavers	819	808	30.3	7.9	72.6	36.5	16.1	3.8	1.67
Reentrants	1,822	1,739	20.4	5.9	66.7	30.5	10.1	6.7	1.40
New entrants	674	672	18.9	3.0	76.6	24.7	10.0	3.9	1.37
Males, 16 years and over	3,933	2,773	31.0	5.0	72.1	29.4	14.5	8.2	1.60
Job losers	2,541	1,426	36.9	5.3	70.2	30.5	15.1	10.4	1.68
Job leavers	411	400	30.2	6.0	75.5	34.2	19.7	3.5	1.69
Reentrants	686	652	21.9	3.8	71.8	27.0	11.3	8.9	1.45
New entrants	295	295	23.4	4.7	77.6	22.7	12.2	2.7	1.43
Females, 16 years and over	3,110	2,628	25.5	6.0	68.5	32.5	10.7	5.2	1.48
Job losers	1,188	754	36.7	4.4	71.2	32.0	12.7	5.6	1.63
Job leavers	407	408	30.4	9.8	69.9	38.5	12.5	4.2	1.65
Reentrants	1,136	1,089	19.5	7.1	63.8	32.7	9.5	5.5	1.38
New entrants	379	377	15.4	1.6	75.6	26.3	8.2	4.8	1.32

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
Total, 16 years and over	6,431	7,043	100.0	100.0	4,870	5,482	100.0	100.0
Less than 5 weeks	3,033	3,506	47.2	49.8	2,139	2,512	43.9	45.8
5 to 14 weeks	2,102	2,128	32.7	30.2	1,665	1,763	34.2	32.2
5 to 10 weeks	1,548	1,562	24.1	22.2	1,243	1,287	25.5	23.5
11 to 14 weeks	553	566	8.6	8.0	422	476	8.7	8.7
15 weeks and over	1,296	1,409	20.2	20.0	1,066	1,207	21.9	22.0
15 to 26 weeks	779	873	12.1	12.4	626	741	12.9	13.5
27 weeks and over	517	536	8.0	7.6	440	466	9.0	8.5
27 to 51 weeks	262	310	4.1	4.4	225	278	4.6	5.1
52 weeks and over	255	226	4.0	3.2	214	188	4.4	3.4
Average (mean) duration, in weeks	10.7	10.1	--	--	11.5	10.8	--	--
Median duration, in weeks	5.6	5.0	--	--	6.2	5.9	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
	January 1980								Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
Total, 16 years and over	7,043	3,506	2,128	873	536	10.1	5.0	47.2	49.8	20.2	20.0
16 to 21 years	2,276	1,270	645	251	110	8.0	4.5	52.2	55.8	14.7	15.8
16 to 19 years	1,514	855	439	150	69	7.6	4.4	54.4	56.5	14.1	14.5
20 to 24 years	1,722	896	508	222	96	8.9	4.8	47.5	52.0	17.7	18.4
25 to 34 years	1,715	809	534	237	135	10.5	5.6	47.8	47.2	22.0	21.7
35 to 44 years	887	423	262	119	82	11.1	5.6	48.6	47.7	24.7	22.7
45 to 54 years	648	279	218	72	79	12.7	6.5	39.2	43.1	25.5	23.3
55 to 64 years	445	182	140	65	58	14.4	7.3	34.2	40.8	27.7	27.7
65 years and over	112	61	26	8	17	12.1	4.6	39.5	54.7	22.5	22.4
Males, 16 years and over	3,933	1,827	1,298	503	305	10.4	5.7	43.8	46.5	21.2	20.5
16 to 21 years	1,286	670	425	146	44	7.6	4.8	48.1	52.1	15.9	14.8
16 to 19 years	823	445	264	94	20	6.9	4.6	49.8	54.1	15.6	13.8
20 to 24 years	1,016	482	346	124	63	9.2	5.4	46.7	47.5	17.4	18.5
25 to 34 years	962	423	309	148	81	11.2	6.4	43.7	44.0	24.7	23.8
35 to 44 years	450	205	140	57	48	11.9	6.0	37.7	45.5	26.9	23.3
45 to 54 years	337	129	134	38	37	12.4	7.1	43.1	38.2	24.3	22.1
55 to 64 years	269	107	81	35	45	16.8	7.8	28.0	39.8	27.4	30.0
65 years and over	75	36	23	6	11	13.1	5.6	(1)	47.3	(1)	21.8
Females, 16 years and over	3,110	1,679	830	370	232	9.7	4.6	51.0	54.0	18.9	19.4
16 to 21 years	991	601	220	106	66	8.5	4.1	57.0	60.6	13.1	17.1
16 to 19 years	691	410	175	56	50	8.5	4.2	60.2	59.4	12.2	15.3
20 to 24 years	706	414	162	97	32	8.5	4.3	48.4	58.6	18.0	18.4
25 to 34 years	753	386	225	89	54	9.7	4.9	51.9	51.2	19.3	18.9
35 to 44 years	436	218	122	62	35	10.4	5.0	51.0	50.0	22.7	22.1
45 to 54 years	311	151	84	34	42	13.1	5.5	34.3	48.5	27.0	24.6
55 to 64 years	176	75	59	30	13	10.7	6.6	43.0	42.4	28.1	24.2
65 years and over	37	26	2	2	6	10.0	3.6	(1)	(1)	(1)	(1)
White, 16 years and over	5,530	2,822	1,699	638	371	9.5	4.9	48.2	51.0	19.2	18.2
Males	3,140	1,484	1,072	363	220	9.9	5.5	45.2	47.3	19.6	18.6
Females	2,391	1,338	627	274	152	9.0	4.5	51.9	56.0	18.6	17.8
Black and other, 16 years and over	1,513	684	429	235	165	12.1	6.2	43.3	45.2	23.8	26.5
Males	793	343	226	139	85	12.4	6.7	38.4	43.2	27.7	28.3
Females	720	341	203	96	80	11.8	5.6	48.0	47.4	19.9	24.4
Males, 16 years and over:											
Married, spouse present	1,656	741	577	200	138	10.6	6.1	42.3	44.8	21.3	20.4
Widowed, divorced, or separated	392	150	128	64	50	14.9	8.3	40.9	38.4	26.9	29.0
Single (never married)	1,884	935	593	239	117	9.3	5.1	45.5	49.6	20.1	18.9
Females, 16 years and over:											
Married, spouse present	1,364	753	362	164	84	9.2	4.5	51.7	55.2	18.6	18.2
Widowed, divorced, or separated	597	275	182	78	62	11.4	6.2	44.7	46.0	25.0	23.5
Single (never married)	1,149	651	285	128	85	9.3	4.4	53.1	56.6	16.4	18.5

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

HOUSEHOLD DATA

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Jan.	Jan.	Jan.	Jan.
								1979	1980	1979	1980
January 1980											
OCCUPATION											
White-collar workers	1,861	943	500	269	148	10.5	4.9	46.4	50.7	24.4	22.4
Professional and managerial	581	230	182	95	73	13.8	8.0	42.5	39.6	27.9	28.9
Sales workers	346	211	77	33	24	8.4	4.1	50.8	61.0	18.2	16.7
Clerical workers	934	502	241	141	50	9.2	4.7	47.7	53.7	23.9	20.5
Blue-collar workers	3,340	1,608	1,107	383	242	9.9	5.4	45.8	48.1	18.0	18.7
Craft and kindred workers	853	418	302	88	46	9.3	5.2	47.5	49.0	15.1	15.6
Operatives, except transport	1,341	684	391	154	113	10.1	4.9	46.2	51.0	19.5	19.8
Transport equipment operatives	331	153	123	34	22	8.7	5.6	40.8	46.3	21.4	16.7
Nonfarm laborers	814	353	291	108	62	10.6	6.4	45.1	43.4	17.7	20.9
Service workers	1,038	538	290	134	76	10.0	4.8	51.4	51.8	19.3	20.3
INDUSTRY¹											
Agriculture	182	94	56	21	10	8.4	4.8	40.6	51.9	2.8	17.2
Construction	857	429	353	44	32	7.8	5.0	49.5	50.0	11.4	8.9
Manufacturing	1,756	815	524	249	167	11.2	5.9	42.8	46.4	23.5	23.7
Durable goods	1,057	470	331	174	82	10.7	6.3	39.0	44.5	25.9	24.2
Non-durable goods	698	345	194	75	85	11.9	5.2	47.1	49.4	20.9	22.9
Transportation and public utilities	320	136	104	51	29	10.7	7.1	38.8	42.6	28.7	25.0
Wholesale and retail trade	1,434	796	400	144	94	9.1	4.5	52.8	55.5	16.2	16.6
Finance and service industries	1,398	673	398	217	109	10.8	5.6	48.0	48.1	23.5	23.3
Public administration	236	103	58	54	21	12.1	7.2	38.4	43.5	31.7	32.1
No previous work experience	676	357	187	69	62	10.1	4.7	46.7	52.9	21.2	19.5

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
	All industries	94,436	96,145	55,057	55,251	39,378	40,893
16 to 19 years	7,360	7,201	3,831	3,749	3,529	3,453
16 to 17 years	2,901	2,812	1,509	1,470	1,391	1,343
18 to 19 years	4,459	4,389	2,321	2,279	2,138	2,110
20 to 24 years	13,382	13,353	7,210	7,122	6,171	6,232
25 to 54 years	59,417	61,381	35,256	35,768	24,160	25,613
25 to 34 years	24,812	26,002	14,703	15,111	10,109	10,892
35 to 44 years	18,176	19,032	10,775	11,008	7,401	8,024
45 to 54 years	16,428	16,347	9,779	9,649	6,649	6,698
55 to 64 years	11,364	11,273	6,942	6,823	4,421	4,451
55 to 59 years	7,031	7,053	4,274	4,263	2,758	2,790
60 to 64 years	4,332	4,220	2,668	2,559	1,664	1,661
65 years and over	2,914	2,936	1,818	1,791	1,096	1,146
Nonagricultural industries	91,673	93,363	52,780	52,916	38,893	40,447
16 to 19 years	7,132	6,986	3,637	3,573	3,495	3,413
16 to 17 years	2,782	2,712	1,414	1,388	1,368	1,324
18 to 19 years	4,350	4,274	2,223	2,185	2,127	2,089
20 to 24 years	13,095	13,019	6,973	6,832	6,122	6,187
25 to 54 years	57,911	59,877	34,048	34,552	23,863	25,325
25 to 34 years	24,244	25,438	14,243	14,633	10,002	10,805
35 to 44 years	17,717	18,573	10,401	10,644	7,315	7,929
45 to 54 years	15,950	15,866	9,404	9,275	6,546	6,591
55 to 64 years	10,913	10,824	6,562	6,427	4,351	4,397
55 to 59 years	6,775	6,810	4,065	4,051	2,711	2,759
60 to 64 years	4,138	4,015	2,497	2,376	1,641	1,638
65 years and over	2,622	2,657	1,561	1,532	1,062	1,125
Agriculture	2,762	2,782	2,277	2,336	485	447
16 to 19 years	228	215	193	176	34	40
16 to 17 years	118	101	95	82	23	19
18 to 19 years	109	115	98	98	11	21
20 to 24 years	287	334	238	289	49	45
25 to 54 years	1,505	1,504	1,208	1,217	297	288
25 to 34 years	568	564	460	478	108	86
35 to 44 years	459	459	373	364	86	95
45 to 54 years	478	481	375	374	103	107
55 to 64 years	451	449	381	395	70	53
55 to 59 years	256	244	209	212	47	31
60 to 64 years	195	205	172	183	23	22
65 years and over	292	280	257	259	35	21

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

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
	TOTAL	94,436	96,145	51,227	51,503	35,849	37,441	3,831	3,749	3,529	3,453
White-collar workers	48,337	50,351	22,259	22,793	23,610	24,973	629	714	1,839	1,872
Professional and technical	14,876	15,490	8,296	8,456	6,387	6,856	106	104	88	74
Health workers	2,760	2,893	937	936	1,804	1,939	8	8	11	9
Teachers, except college	3,247	3,339	923	969	2,293	2,347	7	5	24	18
Other professional and technical	8,869	9,258	6,436	6,551	2,290	2,570	91	91	53	47
Managers and administrators, except farm	10,312	10,619	7,784	7,839	2,427	2,680	52	57	49	43
Salaried workers	8,510	8,911	6,425	6,545	1,997	2,271	42	57	47	38
Self-employed workers in retail trade	901	804	603	539	293	263	3	--	2	2
Self-employed workers, except retail trade	900	905	756	755	137	146	7	--	--	3
Sales workers	5,892	6,291	3,060	3,193	2,195	2,402	217	269	421	427
Retail trade	3,033	3,202	931	960	1,547	1,645	166	200	389	396
Other industries	2,859	3,089	2,129	2,233	648	757	52	69	31	31
Clerical workers	17,257	17,951	3,119	3,303	12,601	13,036	254	284	1,282	1,328
Stenographers, typists, and secretaries	4,784	4,895	83	63	4,337	4,491	5	5	358	335
Other clerical workers	12,473	13,056	3,036	3,240	8,264	8,545	249	279	924	993
Blue-collar workers	31,171	30,800	23,231	22,949	5,310	5,477	2,163	2,017	467	357
Craft and kindred workers	12,470	12,481	11,293	11,259	652	714	480	479	45	28
Carpenters	1,139	1,170	1,061	1,104	12	14	64	50	2	3
Construction craft, except carpenters	2,398	2,451	2,247	2,302	29	44	120	105	2	--
Mechanics and repairers	3,497	3,343	3,284	3,098	36	59	175	181	2	6
Metal craft	1,249	1,271	1,163	1,185	42	56	39	31	4	--
Blue-collar worker supervisors, not elsewhere classified	1,695	1,875	1,515	1,675	176	184	5	11	--	5
All other	2,492	2,370	2,022	1,896	357	357	76	101	37	15
Operatives, except transport	10,804	10,539	5,891	5,740	3,971	3,954	648	618	294	228
Durable goods manufacturing	5,117	4,832	3,196	2,931	1,571	1,613	241	207	110	81
Nondurable goods manufacturing	3,363	3,347	1,310	1,310	1,812	1,823	107	115	135	100
Other industries	2,324	2,360	1,385	1,499	589	517	301	296	50	47
Transport equipment operatives	3,604	3,569	3,112	3,034	297	344	176	182	18	9
Drivers, motor vehicles	3,108	3,023	2,657	2,542	285	323	150	149	16	9
All other	496	546	456	492	12	21	26	32	2	--
Nonfarm laborers	4,294	4,211	2,935	2,915	390	465	859	739	110	92
Construction	771	717	615	568	13	18	136	128	7	2
Manufacturing	1,047	1,050	791	790	143	179	100	64	14	17
Other industries	2,475	2,444	1,530	1,557	234	268	623	547	89	73
Service workers	12,581	12,738	3,905	3,965	6,599	6,716	878	863	1,199	1,194
Private household workers	1,053	979	7	19	842	770	8	11	196	179
Service workers, except private household	11,527	11,759	3,897	3,946	5,757	5,946	870	852	1,003	1,014
Food service workers	4,180	4,289	791	828	2,172	2,231	545	520	673	711
Protective service workers	1,449	1,427	1,282	1,282	129	125	29	15	9	4
All other	5,898	6,043	1,824	1,836	3,456	3,590	296	317	321	299
Farm workers	2,347	2,256	1,832	1,796	330	275	161	155	24	30
Farmers and farm managers	1,358	1,302	1,229	1,184	110	108	17	10	2	--
Farm laborers and supervisors	988	954	602	612	220	166	145	146	21	30
Paid workers	801	776	582	584	106	65	95	100	18	27
Unpaid family workers	187	178	21	28	114	101	49	46	3	3

HOUSEHOLD DATA

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
TOTAL						
Total, 16 years and over (thousands)	94,436	96,145	55,057	55,251	39,378	40,893
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.2	52.4	41.6	42.5	64.6	65.6
Professional and technical	15.8	16.1	15.3	15.5	16.4	16.9
Managers and administrators, except farm	10.9	11.0	14.2	14.3	6.3	6.7
Sales workers	6.2	6.5	6.0	6.3	6.6	6.9
Clerical workers	18.3	18.7	6.1	6.5	35.3	35.1
Blue-collar workers	33.0	32.0	46.1	45.2	14.7	14.3
Craft and kindred workers	13.2	13.0	21.4	21.2	1.8	1.8
Operatives, except transport	11.4	11.0	11.9	11.5	10.8	10.2
Transport equipment operatives	3.8	3.7	6.0	5.8	.8	.9
Nonfarm laborers	4.5	4.4	6.9	6.6	1.3	1.4
Service workers	13.3	13.2	8.7	8.7	19.8	19.3
Private household workers	1.1	1.0	(1)	.1	2.6	2.3
Other service workers	12.2	12.2	8.7	8.7	17.2	17.0
Farm workers	2.5	2.3	3.6	3.5	.9	.7
Farmers and farm managers	1.4	1.4	2.3	2.2	.3	.3
Farm laborers and supervisors	1.0	1.0	1.4	1.4	.6	.5
White						
Total, 16 years and over (thousands)	83,950	85,420	49,518	49,700	34,432	35,720
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.9	54.1	43.2	44.2	66.9	67.9
Professional and technical	16.2	16.6	15.8	16.1	16.7	17.3
Managers and administrators, except farm	11.7	11.8	15.1	15.1	6.8	7.1
Sales workers	6.7	7.0	6.4	6.7	7.1	7.5
Clerical workers	18.4	18.7	5.9	6.4	36.3	35.9
Blue-collar workers	32.6	31.5	45.5	44.2	14.2	13.7
Craft and kindred workers	13.8	13.4	22.0	21.7	1.9	1.9
Operatives, except transport	11.0	10.4	11.5	11.0	10.3	9.6
Transport equipment operatives	3.7	3.5	5.7	5.5	.8	.9
Nonfarm laborers	4.2	4.1	6.3	6.0	1.2	1.3
Service workers	11.9	12.0	7.7	8.0	18.0	17.6
Private household workers	.8	.7	(1)	(1)	2.0	1.7
Other service workers	11.1	11.3	7.7	8.0	16.0	15.9
Farm workers	2.5	2.4	3.6	3.6	.9	.8
Farmers and farm managers	1.6	1.5	2.4	2.3	.3	.3
Farm laborers and supervisors	1.0	.9	1.2	1.2	.6	.5
Black and other						
Total, 16 years and over (thousands)	10,486	10,725	5,539	5,552	4,947	5,174
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	37.5	38.5	27.1	27.6	49.0	50.2
Professional and technical	12.4	12.3	10.2	10.4	14.8	14.5
Managers and administrators, except farm	4.8	5.3	6.7	7.1	2.8	3.3
Sales workers	2.9	2.8	2.2	2.7	3.6	3.0
Clerical workers	17.4	18.1	8.1	7.4	27.8	29.5
Blue-collar workers	35.9	36.6	51.9	53.9	17.9	18.0
Craft and kindred workers	8.8	9.6	15.6	17.5	1.2	1.1
Operatives, except transport	15.1	15.1	15.7	15.8	14.4	14.4
Transport equipment operatives	4.6	5.0	8.3	9.0	.5	.8
Nonfarm laborers	7.4	6.9	12.3	11.7	1.8	1.7
Service workers	24.5	22.9	17.5	15.1	32.5	31.3
Private household workers	3.5	3.3	.1	.2	7.4	6.6
Other service workers	21.0	19.7	17.4	14.9	25.1	24.7
Farm workers	2.1	1.9	3.5	3.3	.6	.5
Farmers and farm managers	.4	.4	.6	.6	.1	.1
Farm laborers and supervisors	1.7	1.5	2.9	2.6	.5	.4

¹ Less than 0.05 percent.

HOUSEHOLD DATA

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

(In thousands)

Age and sex	January 1980								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	86,385	1,062	15,584	69,738	6,624	354	1,154	1,436	193
16 to 19 years	6,874	211	504	6,159	90	22	155	12	49
16 to 17 years	2,664	152	169	2,343	40	8	66	4	32
18 to 19 years	4,209	59	335	3,815	50	15	89	8	17
20 to 24 years	12,682	67	1,498	11,117	318	19	234	79	21
25 to 34 years	23,844	134	4,501	19,209	1,533	60	294	246	24
35 to 44 years	16,886	126	3,621	13,139	1,591	97	194	233	31
45 to 54 years	14,336	182	3,098	11,056	1,446	84	115	327	39
55 to 64 years	9,669	212	1,985	7,472	1,100	55	101	326	21
55 to 59 years	6,108	120	1,266	4,721	675	27	59	172	13
60 to 64 years	3,561	92	719	2,750	426	28	42	155	8
65 years and over	2,095	131	377	1,587	545	16	61	211	7
Males, 16 years and over	48,261	93	7,650	40,518	4,613	41	952	1,309	74
16 to 19 years	3,507	38	222	3,247	48	17	118	12	45
16 to 17 years	1,365	22	89	1,254	17	6	49	3	30
18 to 19 years	2,142	16	133	1,993	32	12	70	9	16
20 to 24 years	6,607	10	620	5,977	216	9	200	75	15
25 to 34 years	13,567	11	2,169	11,387	1,058	8	241	228	9
35 to 44 years	9,536	4	1,776	7,756	1,107	1	159	205	--
45 to 54 years	8,246	9	1,643	6,594	1,025	4	88	286	--
55 to 64 years	5,639	15	1,012	4,612	789	--	88	304	3
55 to 59 years	3,564	8	653	2,904	487	--	54	157	1
60 to 64 years	2,075	7	359	1,709	301	--	33	147	3
65 years and over	1,159	6	209	944	370	4	59	199	1
Females, 16 years and over	38,123	969	7,935	29,219	2,011	312	202	126	119
16 to 19 years	3,367	173	283	2,911	41	5	36	--	3
16 to 17 years	1,299	130	80	1,089	23	2	17	--	2
18 to 19 years	2,067	42	203	1,822	18	3	20	--	1
20 to 24 years	6,075	56	878	5,140	102	10	34	4	6
25 to 34 years	10,277	123	2,332	7,822	476	52	53	18	15
35 to 44 years	7,349	122	1,845	5,383	483	96	36	28	31
45 to 54 years	6,090	173	1,455	4,461	421	80	27	42	38
55 to 64 years	4,030	197	974	2,859	312	56	13	22	18
55 to 59 years	2,543	113	613	1,818	188	28	4	15	12
60 to 64 years	1,486	84	360	1,041	124	28	9	8	6
65 years and over	936	125	168	643	176	13	2	12	6

A-24. Employed persons by industry and occupation

(In thousands)

Industry	January 1980											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Total, 16 years and over:	2,782	77	31	14	81	54	15	28	209	--	16	2,256
Agriculture	956	145	91	4	105	256	272	49	21	--	11	--
Mining	5,806	173	729	26	442	3,229	296	163	717	--	31	--
Construction	22,024	2,517	1,652	542	2,606	4,303	8,179	754	1,050	--	419	--
Manufacturing	13,332	1,698	970	178	1,572	2,805	4,832	378	636	--	263	--
Durable goods	8,691	819	682	364	1,034	1,499	3,347	375	414	--	157	--
Nondurable goods												
Transportation and public utilities	6,322	596	651	60	1,410	1,352	137	1,510	452	--	155	--
Wholesale and retail trade	19,689	393	3,666	4,177	3,613	1,531	894	821	1,161	--	3,434	--
Wholesale trade	3,922	142	730	975	834	362	157	427	264	--	30	--
Retail trade	15,768	250	2,936	3,202	2,779	1,169	737	393	897	--	3,403	--
Finance, insurance, and real estate	5,885	318	1,109	1,314	2,686	120	13	8	58	--	259	--
Services	27,674	10,331	2,037	150	5,203	1,336	695	197	398	979	6,347	--
Private households	1,113	11	--	--	10	7	3	5	52	979	46	--
Other service industries	26,561	10,320	2,037	150	5,193	1,329	692	192	346	--	6,301	--
Public administration	5,007	939	653	3	1,805	298	38	39	144	--	1,087	--

HOUSEHOLD DATA

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

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980
Total, 16 years and over	4,608	4,387	4,366	4,156	1,423	1,444	2,217	2,120
Vacation	1,211	1,367	1,283	1,323	673	713	457	465
Illness	1,478	1,493	1,432	1,454	531	568	750	779
Bad weather	915	462	784	371	--	--	--	--
Industrial dispute	52	97	52	95	--	--	--	--
All other reasons	852	968	816	913	218	162	1,010	876
Males, 16 years and over	2,739	2,579	2,518	2,371	878	926	1,189	1,064
Vacation	773	781	747	740	449	468	217	186
Illness	827	826	790	795	309	345	397	383
All other reasons ³	1,139	971	981	836	119	112	576	495
Females, 16 years and over	1,869	1,809	1,848	1,785	543	518	1,026	1,058
Vacation	538	586	536	583	223	245	239	280
Illness	651	666	682	660	222	223	353	396
All other reasons ³	679	556	670	542	98	50	434	382

¹ Excludes priests household.

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

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

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

Hours of work	January 1980					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over	91,758	89,206	2,551	100.0	100.0	100.0
1-34 hours	22,857	21,983	874	24.9	24.6	34.2
1-4 hours	814	787	27	.9	.9	1.1
5-14 hours	4,398	4,183	215	4.8	4.7	8.4
15-29 hours	11,326	10,891	435	12.3	12.2	17.0
30-34 hours	6,319	6,122	197	6.9	6.9	7.7
35 hours and over	68,902	67,224	1,678	75.1	75.4	65.8
35-39 hours	6,493	6,364	128	7.1	7.1	5.0
40 hours	38,804	38,365	439	42.3	43.0	17.2
41 hours and over	23,605	22,495	1,111	25.7	25.2	43.5
41 to 48 hours	9,617	9,407	210	10.5	10.5	8.2
49 to 59 hours	8,361	7,971	390	9.1	8.9	15.3
60 hours and over	5,627	5,117	511	6.1	5.7	20.0
Average hours, total at work	38.3	38.2	41.7	--	--	--
Average hours, workers on full-time schedules	42.6	42.4	48.8	--	--	--

HOUSEHOLD DATA

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

[Numbers in thousands]

Reason for working less than 35 hours	January 1980					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	22,857	7,627	15,229	21,983	7,225	14,758
Economic reasons	3,546	1,738	1,808	3,339	1,591	1,748
Slack work	2,066	1,431	635	1,891	1,291	600
Material shortages or repairs to plant and equipment	77	77	--	76	76	--
New job started during week	161	161	--	157	157	--
Job terminated during week	69	69	--	67	67	--
Could find only part-time work	1,173	--	1,173	1,148	--	1,148
Other reasons	19,310	5,889	13,421	18,644	5,634	13,010
Does not want, or unavailable for, full-time work	11,200	--	11,200	10,898	--	10,898
Vacation	617	617	--	612	612	--
Illness	2,356	2,173	183	2,318	2,144	174
Bad weather	1,504	1,504	--	1,354	1,354	--
Industrial dispute	48	48	--	48	48	--
Legal or religious holiday	147	147	--	147	147	--
Full time for this job	1,531	--	1,531	1,477	--	1,477
All other reasons	1,908	1,400	508	1,790	1,327	463
Average hours:						
Economic reasons	21.8	23.6	20.1	21.9	23.9	20.0
Other reasons	20.8	25.5	18.8	20.9	25.7	18.8
Worked 30 to 34 hours:						
Economic reasons	1,060	688	372	1,000	643	357
Other reasons	5,259	2,909	2,350	5,122	2,833	2,289

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

[Numbers in thousands]

Industry	January 1980								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over¹	89,206	3,339	13,010	72,857	50,362	9,407	13,088	38.2	42.4	
Wage and salary workers	82,780	2,879	11,808	68,093	48,293	8,891	10,909	38.1	42.1	
Construction	4,308	232	219	3,857	2,971	391	495	37.8	39.8	
Manufacturing	20,797	564	739	19,494	13,887	2,932	2,675	40.6	41.9	
Durable goods	12,552	217	305	12,030	8,643	1,790	1,597	40.9	41.7	
Nondurable goods	8,246	348	435	7,463	5,244	1,142	1,077	40.1	42.0	
Transportation and public utilities	5,805	168	397	5,240	3,556	680	1,004	40.9	43.1	
Wholesale and retail trade	17,044	925	4,420	11,699	7,441	1,915	2,343	35.7	43.0	
Finance, insurance, and real estate	5,275	102	586	4,587	3,363	537	687	38.5	41.4	
Service industries	23,869	846	5,172	17,851	13,205	1,817	2,829	36.0	41.8	
Private households	1,022	143	549	330	226	29	75	23.6	43.7	
All other industries	22,847	703	4,623	17,521	12,979	1,788	2,754	36.6	41.8	
Public administration	4,813	30	262	4,521	3,413	483	625	40.4	41.8	
Self-employed workers	6,072	445	1,034	4,593	1,981	493	2,119	40.7	48.0	
Unpaid family workers	354	15	168	171	88	23	60	33.8	46.6	

¹ Includes mining, not shown separately.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, race, and marital status	January 1980							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	89,206	3,339	13,010	72,857	50,362	22,495	38.2	42.4
16 to 21 years	11,410	738	4,455	6,217	4,936	1,281	29.8	40.1
16 to 19 years	6,712	409	3,597	2,706	2,123	583	26.1	39.8
16 to 17 years	2,606	84	2,235	287	226	61	18.1	38.2
18 to 19 years	4,106	325	1,362	2,419	1,898	521	31.2	40.0
20 years and over	82,494	2,930	9,412	70,152	48,240	21,912	39.2	42.5
20 to 24 years	12,446	676	1,671	10,099	7,688	2,411	37.1	41.0
25 years and over	70,049	2,255	7,742	60,052	40,550	19,502	39.6	42.8
25 to 44 years	42,238	1,327	4,075	36,836	24,449	12,387	40.1	42.9
45 to 64 years	25,364	821	2,503	22,040	15,273	6,767	39.7	42.6
65 years and over	2,447	106	1,164	1,177	829	348	29.5	42.6
Males, 16 years and over	50,545	1,434	3,925	45,186	28,103	17,083	41.1	43.7
16 to 21 years	5,809	311	2,136	3,362	2,475	887	31.2	40.8
16 to 19 years	3,430	161	1,766	1,503	1,090	413	27.6	40.7
16 to 17 years	1,331	36	1,131	164	121	43	19.3	39.1
18 to 19 years	2,099	125	635	1,339	969	370	32.9	40.9
20 years and over	47,115	1,272	2,159	43,684	27,013	16,671	42.1	43.8
20 to 24 years	6,549	306	668	5,575	3,871	1,704	38.9	42.2
25 years and over	40,566	966	1,491	38,109	23,143	14,966	42.6	44.0
25 to 44 years	24,264	587	451	23,226	13,762	9,464	43.3	44.3
45 to 64 years	14,888	323	422	14,143	8,881	5,262	42.6	43.8
65 years and over	1,414	55	617	742	501	241	30.7	42.6
Females, 16 years and over	38,662	1,906	9,085	27,671	22,260	5,411	34.4	40.3
16 to 21 years	5,601	427	2,319	2,855	2,460	395	28.4	39.2
16 to 19 years	3,282	249	1,832	1,201	1,031	170	24.5	38.7
16 to 17 years	1,275	49	1,105	121	104	17	16.9	37.0
18 to 19 years	2,007	200	727	1,080	928	152	29.4	38.9
20 years and over	35,379	1,658	7,253	26,468	21,226	5,242	35.3	40.4
20 to 24 years	5,896	370	1,002	4,524	3,818	706	35.2	39.7
25 years and over	29,482	1,288	6,251	21,943	17,406	4,537	35.4	40.6
25 to 44 years	17,974	740	3,624	13,610	10,686	2,924	35.7	40.6
45 to 64 years	10,476	498	2,080	7,898	6,392	1,506	35.6	40.4
65 years and over	1,033	49	546	438	331	107	27.9	42.6
RACE								
White	79,313	2,815	11,894	64,604	43,567	21,037	38.3	42.7
Males	45,550	1,233	3,579	40,738	24,647	16,091	41.4	44.0
Females	33,763	1,581	8,314	23,866	18,923	4,945	34.3	40.5
Black and other	9,894	525	1,116	8,253	6,796	1,457	37.2	40.7
Males	4,995	199	346	4,450	3,458	992	39.1	41.6
Females	4,899	324	770	3,805	3,340	465	35.3	39.7
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	35,178	748	1,160	33,270	19,938	13,332	42.9	44.2
Widowed, divorced, or separated	3,901	150	183	3,568	2,255	1,313	41.4	43.4
Single (never married)	11,466	535	2,582	8,349	5,910	2,439	35.6	42.0
Females, 16 years and over:								
Married, spouse present	21,732	980	5,370	15,382	12,492	2,890	34.3	40.2
Widowed, divorced, or separated	7,430	393	1,094	5,943	4,598	1,345	36.8	40.8
Single (never married)	9,499	534	2,620	6,345	5,169	1,176	32.8	40.2

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupational group and sex	January 1980								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	89,673	3,370	13,081	73,222	50,591	9,439	13,192	38.2	39.1
White-collar workers	48,475	1,084	6,973	40,418	27,092	4,940	8,386	39.0	42.9
Professional and technical	14,363	240	1,635	12,988	8,645	1,565	2,778	40.1	43.1
Managers and administrators, except farm	10,251	108	472	9,671	4,670	1,425	3,576	45.2	46.7
Sales workers	5,985	263	1,499	4,223	2,628	533	1,062	36.0	43.4
Clerical workers	17,377	473	3,367	13,537	11,151	1,418	968	35.6	39.9
Blue-collar workers	29,067	1,452	2,015	25,600	18,010	3,775	3,815	39.4	41.9
Craft and kindred workers	11,320	440	422	10,958	7,385	1,641	1,932	40.7	42.2
Operatives, except transport	10,006	583	538	8,885	6,643	1,316	926	39.3	41.4
Transport equipment operatives	3,334	175	336	2,823	1,686	436	701	40.4	44.3
Nonfarm laborers	3,907	254	719	2,934	2,296	382	256	34.8	39.9
Service workers	12,131	334	4,093	7,204	5,489	724	991	32.2	41.7
Private household	944	128	512	304	211	27	66	23.1	43.2
Other service workers	11,187	705	3,581	6,901	5,280	698	923	33.0	41.6
Males, 16 years and over	50,879	1,449	3,954	45,476	28,284	6,530	10,662	41.1	40.6
White-collar workers	22,709	289	1,477	20,943	11,554	2,917	6,472	43.2	45.2
Professional and technical	8,273	86	455	7,732	4,646	983	2,103	42.9	44.5
Managers and administrators, except farm	7,635	73	201	7,361	3,232	1,091	3,038	46.5	47.5
Sales workers	3,326	68	409	2,849	1,541	408	900	41.1	44.9
Clerical workers	3,474	62	411	3,001	2,135	435	431	38.7	41.8
Blue-collar workers	23,544	989	1,380	21,175	14,389	3,204	3,582	40.1	42.3
Craft and kindred workers	11,122	413	310	10,399	6,952	1,577	1,870	40.9	42.3
Operatives, except transport	6,048	220	289	5,539	3,868	883	788	40.7	42.4
Transport equipment operatives	2,997	149	187	2,661	1,570	404	687	41.7	44.5
Nonfarm laborers	3,377	207	593	2,577	2,002	339	236	35.0	39.8
Service workers	4,626	171	1,097	3,358	2,341	409	608	36.2	43.2
Private household	29	6	16	7	5	1	1	22.6	45.1
Other service workers	4,597	166	1,081	3,350	2,335	409	606	36.3	43.2
Females, 16 years and over	38,794	1,921	9,128	27,745	22,307	2,909	2,529	34.4	36.8
White-collar workers	25,767	795	5,496	19,476	15,539	2,023	1,914	35.4	40.5
Professional and technical	6,590	154	1,180	5,256	3,999	582	675	36.6	41.1
Managers and administrators, except farm	2,615	35	271	2,309	1,437	334	538	41.4	44.0
Sales workers	2,659	194	1,090	1,375	1,088	124	163	29.7	40.1
Clerical workers	13,903	411	2,956	10,536	9,014	983	539	34.8	39.4
Blue-collar workers	5,522	463	636	4,423	3,619	571	233	36.3	39.9
Craft and kindred workers	698	27	112	559	433	54	62	36.8	40.4
Operatives, except transport	3,959	162	249	3,348	2,777	433	138	37.1	39.8
Transport equipment operatives	336	26	149	161	115	32	14	29.0	40.4
Nonfarm laborers	530	47	126	357	295	42	20	33.8	40.5
Service workers	7,505	663	2,996	3,846	3,149	315	382	29.7	40.3
Private household	915	124	496	295	204	26	65	23.1	43.1
Other service workers	6,590	539	2,500	3,552	2,946	289	317	30.6	40.1

HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	January 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,746	3,940	3,806	6,449	3,288	3,160	1,297	652	645
Civilian labor force	1,171	613	557	1,092	570	522	79	44	35
Employed	1,004	521	483	965	496	469	39	25	14
Agriculture	71	59	12	71	59	12	--	--	--
Nonagricultural industries	933	462	472	894	437	457	39	25	15
Unemployed	167	93	74	127	74	53	40	19	21
Unemployment rate	14.3	15.2	13.3	11.6	13.0	10.2	50.6	(1)	(1)
Not in labor force	6,575	3,327	3,248	5,357	2,719	2,638	1,218	608	611
Keeping house	42	5	37	34	4	30	8	1	7
Going to school	6,403	3,262	3,141	5,218	2,663	2,555	1,185	600	586
Unable to work	3	3	--	2	2	--	1	1	--
All other reasons	127	56	71	103	50	53	24	6	18

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

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

Characteristics	January 1980					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,004	521	483	100.0	100.0	100.0
Nonagricultural industries	933	462	472	93.0	88.7	97.9
Wage and salary workers	835	398	437	83.3	76.4	90.7
Private household workers	292	41	251	29.1	7.9	52.1
Government workers	45	23	22	4.5	4.4	4.6
Other wage and salary workers	498	334	164	49.7	64.1	34.0
Self-employed workers	87	59	28	8.7	11.3	5.8
Unpaid family workers	11	5	6	1.1	1.0	1.2
Agriculture	71	59	12	7.1	11.3	2.5
Wage and salary workers	43	40	3	4.3	7.7	.6
Self-employed workers	3	3	--	.3	.6	--
Unpaid family workers	24	16	8	2.4	3.1	1.7
OCCUPATION						
Total	1,004	521	483	100.0	100.0	100.0
White-collar workers	323	214	109	32.2	41.1	22.5
Professional and technical	19	11	8	1.9	2.1	1.7
Managers and administrators, except farm	5	3	2	.5	.6	.4
Sales workers	224	181	43	22.3	34.7	8.9
Clerical workers	75	19	56	7.5	3.6	11.6
Blue-collar workers	115	98	17	11.5	18.8	3.5
Craft and kindred workers	4	4	--	.4	.8	--
Operatives, except transport	39	27	12	3.9	5.2	2.5
Transport equipment operatives	3	1	2	.3	.2	.4
Nonfarm laborers	69	66	3	6.9	12.7	.6
Service workers	499	154	345	49.7	29.6	71.3
Private household workers	289	25	265	28.8	4.8	54.8
Other service workers	210	129	81	20.9	24.8	16.7
Farm workers	67	55	12	6.7	10.6	2.5
Farmers and farm managers	2	2	--	.2	.4	--
Farm laborers and supervisors	65	53	12	6.5	10.2	2.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status	1979												1980	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
TOTAL														
Total noninstitutional population ¹	162,448	162,633	162,909	163,008	163,260	163,469	163,685	163,891	164,106	164,468	164,682	164,898	165,101	
Armed Forces ¹	2,094	2,094	2,090	2,082	2,078	2,076	2,082	2,090	2,092	2,093	2,092	2,089	2,081	
Civilian noninstitutional population ¹	160,353	160,539	160,819	160,926	161,182	161,393	161,604	161,801	162,013	162,375	162,589	162,809	163,020	
Civilian labor force	102,061	102,379	102,505	102,198	102,398	102,476	103,093	103,128	103,494	103,595	103,652	103,999	104,229	
Percent of civilian population	63.6	63.8	63.7	63.5	63.5	63.5	63.8	63.7	63.9	63.8	63.8	63.9	63.9	
Employed	96,157	96,496	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804	
Percent of total population	59.2	59.3	59.3	59.0	59.1	59.1	59.4	59.2	59.4	59.3	59.3	59.4	59.2	
Agriculture	3,260	3,307	3,320	3,215	3,246	3,243	3,267	3,315	3,364	3,294	3,385	3,359	3,270	
Nonagricultural industries	92,897	93,189	93,303	93,039	93,249	93,409	93,917	93,689	94,140	94,180	94,223	94,553	94,534	
Unemployed	5,904	5,883	5,882	5,944	5,903	5,824	5,909	6,124	5,990	6,121	6,044	6,087	6,425	
Unemployment rate	5.8	5.7	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2	
Not in labor force	58,292	58,160	58,314	58,728	58,784	58,917	58,511	58,673	58,519	58,780	58,937	58,810	58,791	
Males, 20 years and over														
Total noninstitutional population ¹	69,385	69,476	69,612	69,663	69,787	69,889	69,995	70,099	70,205	70,380	70,487	70,594	70,695	
Civilian noninstitutional population ¹	67,726	67,816	67,939	67,997	68,123	68,227	68,319	68,417	68,522	68,697	68,804	68,940	69,047	
Civilian labor force	54,191	54,349	54,315	54,239	54,288	54,370	54,579	54,597	54,735	54,760	54,709	54,781	54,855	
Percent of civilian population	80.0	80.1	79.9	79.8	79.7	79.7	79.9	79.8	79.9	79.7	79.5	79.5	79.4	
Employed	52,024	52,211	52,151	52,049	52,158	52,201	52,325	52,311	52,453	52,443	52,374	52,478	52,279	
Percent of total population	75.0	75.1	74.9	74.7	74.7	74.7	74.8	74.6	74.7	74.5	74.3	74.3	73.9	
Agriculture	2,303	2,329	2,350	2,295	2,301	2,305	2,327	2,375	2,377	2,371	2,438	2,427	2,387	
Nonagricultural industries	49,721	49,882	49,801	49,754	49,857	49,896	49,998	49,936	50,076	50,072	49,936	50,051	49,892	
Unemployed	2,167	2,138	2,164	2,190	2,130	2,169	2,254	2,286	2,282	2,317	2,335	2,303	2,577	
Unemployment rate	4.0	3.9	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.3	4.2	4.7	
Not in labor force	13,535	13,467	13,624	13,752	13,835	13,857	13,740	13,820	13,787	13,937	14,095	14,159	14,192	
Females, 20 years and over														
Total noninstitutional population ¹	76,337	76,440	76,589	76,645	76,782	76,896	77,014	77,127	77,245	77,429	77,547	77,666	77,779	
Civilian noninstitutional population ¹	76,228	76,332	76,476	76,532	76,670	76,784	76,897	77,006	77,124	77,308	77,426	77,542	77,656	
Civilian labor force	38,207	38,399	38,574	38,415	38,619	38,653	39,033	39,304	39,239	39,362	39,445	39,659	39,878	
Percent of civilian population	50.1	50.3	50.4	50.2	50.4	50.3	50.8	51.0	50.9	50.9	50.9	51.1	51.4	
Employed	36,012	36,197	36,362	36,216	36,411	36,457	36,873	37,000	37,075	37,112	37,248	37,402	37,574	
Percent of total population	47.2	47.4	47.5	47.3	47.4	47.4	47.9	48.0	48.0	47.9	48.0	48.2	48.3	
Agriculture	596	593	595	572	577	583	585	600	628	572	612	582	540	
Nonagricultural industries	35,416	35,604	35,767	35,644	35,834	35,874	36,288	36,400	36,447	36,540	36,636	36,820	37,034	
Unemployed	2,195	2,202	2,212	2,199	2,208	2,196	2,160	2,304	2,164	2,250	2,197	2,257	2,304	
Unemployment rate	5.7	5.7	5.7	5.7	5.7	5.7	5.5	5.9	5.5	5.7	5.6	5.7	5.8	
Not in labor force	38,021	37,933	37,902	38,117	38,051	38,131	37,864	37,702	37,885	37,946	37,981	37,883	37,778	
Both sexes, 16-19 years														
Total noninstitutional population ¹	16,725	16,717	16,709	16,700	16,692	16,684	16,677	16,665	16,655	16,659	16,648	16,638	16,627	
Civilian noninstitutional population ¹	16,400	16,391	16,404	16,397	16,389	16,381	16,387	16,377	16,367	16,370	16,360	16,326	16,317	
Civilian labor force	9,663	9,631	9,616	9,544	9,491	9,453	9,481	9,227	9,520	9,473	9,498	9,559	9,497	
Percent of civilian population	58.9	58.8	58.6	58.2	57.9	57.7	57.9	56.3	58.2	57.9	58.1	58.6	58.2	
Employed	8,121	8,088	8,110	7,989	7,926	7,994	7,986	7,693	7,976	7,919	7,986	8,032	7,952	
Percent of total population	48.6	48.4	48.5	47.8	47.5	47.9	47.9	46.2	47.9	47.5	48.0	48.3	47.8	
Agriculture	361	385	375	348	368	355	355	340	359	351	335	350	344	
Nonagricultural industries	7,760	7,703	7,735	7,641	7,558	7,639	7,631	7,353	7,617	7,568	7,651	7,682	7,608	
Unemployed	1,542	1,543	1,506	1,555	1,565	1,459	1,495	1,534	1,544	1,554	1,512	1,527	1,545	
Unemployment rate	16.0	16.0	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3	
Not in labor force	6,737	6,760	6,788	6,853	6,898	6,928	6,906	7,150	6,847	6,897	6,862	6,767	6,820	

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Full- and part-time employment status	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	86,953	87,264	87,408	87,412	87,397	87,501	87,749	87,685	88,134	88,394	88,469	88,576	88,627
Employed	82,439	82,699	82,969	82,775	82,864	82,986	83,132	82,958	83,419	83,598	83,699	83,785	83,581
Unemployed	4,514	4,565	4,539	4,637	4,533	4,515	4,617	4,727	4,715	4,796	4,770	4,791	5,046
Unemployment rate	5.2	5.2	5.2	5.3	5.2	5.2	5.3	5.4	5.3	5.4	5.4	5.4	5.7
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,121	15,147	15,024	14,806	14,962	15,064	15,448	15,535	15,275	15,165	15,158	15,411	15,666
Employed	13,748	13,810	13,673	13,515	13,573	13,762	14,161	14,163	13,987	13,822	13,906	14,102	14,302
Unemployed	1,373	1,337	1,351	1,291	1,389	1,302	1,287	1,372	1,288	1,343	1,252	1,309	1,364
Unemployment rate	9.1	8.8	9.0	8.7	9.3	8.6	8.3	8.8	8.4	8.9	8.3	8.5	8.7

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

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

(Numbers in thousands)

Characteristics	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
WHITE													
Total, 16 years and over:													
Civilian labor force	89,973	90,250	90,260	89,996	90,120	90,215	90,659	90,759	91,082	91,147	91,242	91,579	91,852
Employed	85,434	85,786	85,754	85,497	85,632	85,775	86,120	85,976	86,425	86,454	86,571	86,894	86,895
Unemployed	4,539	4,464	4,506	4,499	4,488	4,440	4,539	4,783	4,657	4,693	4,671	4,685	4,957
Unemployment rate	5.0	4.9	5.0	5.0	5.0	4.9	5.0	5.3	5.1	5.1	5.1	5.1	5.4
Males, 20 years and over:													
Civilian labor force	48,387	48,545	48,460	48,400	48,421	48,525	48,634	48,646	48,727	48,752	48,754	48,811	48,964
Employed	46,686	46,908	46,789	46,721	46,797	46,831	46,873	46,833	46,920	46,948	46,939	47,025	46,950
Unemployed	1,701	1,637	1,671	1,679	1,624	1,694	1,761	1,813	1,807	1,804	1,815	1,786	2,014
Unemployment rate	3.5	3.4	3.4	3.5	3.4	3.5	3.6	3.7	3.7	3.7	3.7	3.7	4.1
Females, 20 years and over:													
Civilian labor force	32,966	33,151	33,238	33,122	33,286	33,288	33,604	33,879	33,858	33,946	33,979	34,205	34,411
Employed	31,320	31,489	31,569	31,479	31,617	31,649	31,986	32,126	32,223	32,249	32,310	32,492	32,654
Unemployed	1,646	1,662	1,669	1,643	1,669	1,639	1,618	1,753	1,635	1,697	1,669	1,713	1,757
Unemployment rate	5.0	5.0	5.0	5.0	5.0	4.9	4.8	5.2	4.8	5.0	4.9	5.0	5.1
Both sexes, 16 to 19 years:													
Civilian labor force	8,620	8,554	8,562	8,474	8,413	8,402	8,421	8,234	8,497	8,449	8,509	8,563	8,477
Employed	7,428	7,389	7,396	7,297	7,218	7,295	7,261	7,017	7,282	7,257	7,322	7,377	7,291
Unemployed	1,192	1,165	1,166	1,177	1,195	1,107	1,160	1,217	1,215	1,192	1,187	1,186	1,186
Unemployment rate	13.8	13.6	13.6	13.9	14.2	13.2	13.8	14.8	14.3	14.1	13.9	13.9	14.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,101	12,177	12,238	12,191	12,219	12,260	12,386	12,343	12,404	12,512	12,391	12,432	12,453
Employed	10,736	10,746	10,860	10,767	10,816	10,887	11,023	10,982	11,063	11,076	11,044	11,024	10,979
Unemployed	1,365	1,431	1,378	1,424	1,403	1,373	1,363	1,361	1,341	1,436	1,347	1,408	1,474
Unemployment rate	11.3	11.8	11.3	11.7	11.5	11.2	11.0	11.0	10.8	11.5	10.9	11.3	11.8
Males, 20 years and over:													
Civilian labor force	5,809	5,830	5,852	5,823	5,847	5,889	5,961	5,956	5,989	6,003	5,927	5,954	5,925
Employed	5,343	5,327	5,340	5,324	5,358	5,414	5,463	5,471	5,510	5,486	5,429	5,439	5,358
Unemployed	466	503	512	499	489	475	498	485	479	517	498	515	567
Unemployment rate	8.0	8.6	8.7	8.6	8.4	8.1	8.4	8.1	8.0	8.6	8.4	8.6	9.6
Females, 20 years and over:													
Civilian labor force	5,239	5,260	5,333	5,296	5,309	5,357	5,398	5,395	5,388	5,476	5,455	5,467	5,493
Employed	4,687	4,711	4,799	4,739	4,779	4,799	4,857	4,842	4,858	4,920	4,937	4,921	4,944
Unemployed	552	549	534	557	530	558	541	553	530	556	518	546	549
Unemployment rate	10.5	10.4	10.0	10.5	10.0	10.4	10.0	10.3	9.8	10.2	9.5	10.0	10.0
Both sexes, 16 to 19 years:													
Civilian labor force	1,053	1,087	1,053	1,072	1,063	1,014	1,027	992	1,027	1,033	1,009	1,011	1,035
Employed	706	708	721	704	679	674	703	669	695	670	678	664	677
Unemployed	347	379	332	368	384	340	324	323	332	363	331	347	358
Unemployment rate	33.0	34.9	31.5	34.3	36.1	33.5	31.5	32.6	32.3	35.1	32.8	34.3	34.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTICS													
Total (all civilian workers)	5.8	5.7	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2
Males, 20 years and over	4.0	3.9	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.3	4.2	4.7
Females, 20 years and over	5.7	5.7	5.7	5.7	5.7	5.7	5.5	5.9	5.5	5.7	5.6	5.7	5.8
Both sexes, 16-19 years	16.0	16.0	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3
White	5.0	4.9	5.0	5.0	5.0	4.9	5.0	5.3	5.1	5.1	5.1	5.1	5.4
Black and other	11.3	11.8	11.3	11.7	11.5	11.2	11.0	11.0	10.8	11.5	10.9	11.3	11.8
Married men, spouse present	2.6	2.6	2.6	2.7	2.5	2.7	2.8	2.9	2.9	2.9	2.9	2.8	3.4
Married women, spouse present	5.3	5.3	5.2	5.2	5.2	5.1	4.9	5.3	4.8	5.2	4.8	5.0	5.2
Women who head families	8.0	8.3	8.2	8.3	8.6	9.0	8.1	7.9	7.7	8.4	8.4	8.4	9.2
Full-time workers	5.2	5.2	5.2	5.3	5.2	5.2	5.3	5.4	5.3	5.4	5.4	5.4	5.7
Part-time workers	9.1	8.8	9.0	8.7	9.3	8.6	8.3	8.8	8.4	8.9	8.3	8.5	8.7
Unemployed 15 weeks and over ¹	1.2	1.2	1.3	1.2	1.2	1.1	1.0	1.1	1.1	1.2	1.1	1.2	1.3
Labor force time lost ²	6.2	6.2	6.2	6.4	6.3	6.3	6.4	6.4	6.2	6.4	6.4	6.4	6.7
OCCUPATION													
White-collar workers	3.4	3.4	3.3	3.3	3.2	3.4	3.3	3.5	3.3	3.4	3.2	3.3	3.4
Professional and technical	2.5	2.4	2.2	2.3	2.1	2.5	2.5	2.5	2.4	2.7	2.4	2.3	2.2
Managers and administrators, except farm	2.0	2.0	2.1	2.3	2.2	2.1	2.0	2.3	2.2	2.2	1.9	2.0	1.9
Sales workers	4.0	4.2	4.1	4.0	4.0	4.4	3.5	4.0	3.8	3.8	3.7	3.8	4.4
Clerical workers	4.7	4.7	4.8	4.5	4.5	4.6	4.5	4.9	4.5	4.7	4.4	4.6	4.8
Blue-collar workers	6.5	6.5	6.6	6.9	6.8	6.6	6.8	7.3	7.1	7.2	7.5	7.2	8.0
Craft and kindred workers	4.4	4.5	4.5	4.4	4.2	4.3	4.4	4.7	4.3	4.6	4.9	4.4	4.9
Operatives, except transport	7.8	7.8	7.8	8.5	8.2	7.7	8.3	8.9	9.0	9.1	9.0	9.0	9.9
Transport equipment operatives	5.0	5.0	5.2	5.9	5.4	5.7	5.1	6.2	6.1	5.6	5.2	5.0	6.9
Nonfarm laborers	9.7	9.7	10.2	10.6	11.1	10.6	11.0	11.3	11.0	10.7	12.2	12.2	12.3
Service workers	7.7	7.3	7.3	7.3	7.2	7.2	7.1	7.1	6.7	6.8	6.6	6.6	6.9
Farm workers	2.9	3.4	3.3	3.4	3.6	3.2	4.2	3.9	4.1	4.3	4.5	4.3	4.4
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.7	5.6	5.6	5.7	5.7	5.6	5.7	6.0	5.8	5.9	5.8	5.8	6.2
Construction	10.3	10.9	10.1	10.5	10.0	10.0	10.0	10.1	9.6	9.9	10.2	10.3	10.8
Manufacturing	5.1	4.9	5.2	5.3	5.4	5.4	5.7	5.9	6.0	6.0	5.9	5.9	6.7
Durable goods	4.4	4.2	4.4	4.7	4.4	4.9	5.4	5.4	5.3	5.5	5.6	5.5	6.7
Nondurable goods	6.1	5.9	6.4	6.3	6.9	6.3	6.2	6.8	7.1	6.8	6.3	6.4	6.8
Transportation	3.5	3.2	3.9	3.0	3.6	3.1	3.8	3.7	4.0	3.8	4.2	4.1	4.4
Wholesale and retail trade	6.6	6.5	6.3	6.6	6.4	6.7	6.3	6.5	6.4	6.4	6.5	6.4	6.6
Finance and service industries	5.1	4.8	4.8	4.8	4.9	4.7	4.9	5.2	4.7	4.9	4.6	4.7	4.6
Government workers	3.9	3.8	4.1	3.7	3.6	3.6	3.6	3.7	3.3	4.0	3.6	3.6	3.8
Agricultural wage and salary workers	7.5	8.6	8.0	8.7	9.3	7.8	9.7	9.9	10.0	9.9	10.1	9.4	10.3

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,751	2,779	2,769	2,876	2,823	2,880	2,820	3,168	2,778	2,955	2,919	2,916	3,184
5 to 14 weeks	1,881	1,877	1,860	1,884	1,919	1,808	1,934	1,738	2,035	1,963	1,869	1,966	1,907
15 weeks and over	1,229	1,239	1,291	1,223	1,212	1,152	1,067	1,185	1,152	1,195	1,191	1,230	1,334
15 to 26 weeks	708	700	729	687	705	656	615	658	644	678	660	711	795
27 weeks and over	521	539	562	536	507	496	452	527	508	517	531	519	539
Average (mean) duration, in weeks	11.2	11.3	11.8	11.0	10.9	10.5	10.1	10.7	10.7	10.5	10.6	10.5	10.5
Median duration, in weeks	5.8	5.9	5.8	5.4	5.6	5.6	6.0	4.9	5.8	5.5	5.3	5.5	5.2
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	46.9	47.1	46.8	48.1	47.4	49.3	48.4	52.0	46.6	48.3	48.8	47.7	49.6
5 to 14 weeks	32.1	31.8	31.4	31.5	32.2	31.0	33.2	28.5	34.1	32.1	31.3	32.2	29.7
15 weeks and over	21.0	21.0	21.8	20.4	20.4	19.7	18.3	19.5	19.3	19.5	19.9	20.1	20.8
15 to 26 weeks	12.1	11.9	12.3	11.5	11.8	11.2	10.6	10.8	10.8	11.1	11.0	11.6	12.4
27 weeks and over	8.9	9.1	9.5	9.0	8.5	8.5	7.8	8.7	8.5	8.5	8.9	8.5	8.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	5.8	5.7	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2
16 to 19 years	16.0	16.0	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3
16 to 17 years	18.6	18.5	18.5	18.7	18.9	17.5	17.3	18.5	16.9	18.4	17.3	18.0	19.0
18 to 19 years	13.8	14.3	13.5	14.3	15.0	14.4	14.5	15.4	15.6	15.0	14.7	14.5	14.0
20 to 24 years	8.7	8.6	8.8	8.6	8.9	8.9	9.1	9.3	9.2	9.6	8.8	9.8	10.1
25 years and over	3.9	3.9	3.9	4.0	3.9	3.9	3.9	4.0	3.9	4.0	4.0	3.8	4.2
25 to 54 years	4.1	4.1	4.1	4.2	4.0	4.1	4.0	4.2	4.1	4.2	4.3	4.1	4.4
55 years and over	3.0	3.0	3.1	3.1	3.1	2.9	3.2	3.1	2.9	3.0	2.7	2.7	3.5
Males, 16 years and over	5.1	5.0	5.0	5.1	5.0	4.9	5.1	5.2	5.2	5.2	5.2	5.2	5.7
16 to 19 years	16.2	16.1	15.8	16.0	16.1	14.5	15.4	16.3	16.1	15.7	15.8	15.6	16.2
16 to 17 years	19.2	19.2	18.9	17.9	18.9	16.8	16.1	18.0	16.7	17.1	17.8	17.9	19.0
18 to 19 years	13.7	14.2	13.6	14.1	14.0	14.0	14.8	15.1	15.3	14.4	14.0	13.6	13.9
20 to 24 years	8.4	8.1	8.3	8.0	8.2	8.3	8.8	8.8	8.8	9.5	8.4	9.4	10.4
25 years and over	3.2	3.2	3.2	3.3	3.1	3.2	3.3	3.4	3.3	3.4	3.5	3.2	3.7
25 to 54 years	3.3	3.3	3.3	3.3	3.2	3.2	3.4	3.5	3.6	3.5	3.8	3.4	3.8
55 years and over	2.9	2.8	2.8	3.0	2.8	3.1	3.3	3.1	2.8	2.8	2.6	2.6	3.5
Females, 16 years and over	6.8	6.8	6.8	6.9	6.9	6.8	6.6	7.0	6.6	6.9	6.6	6.8	6.8
16 to 19 years	15.7	15.9	15.5	16.6	16.9	16.5	16.2	17.0	16.4	17.2	16.1	16.4	16.3
16 to 17 years	17.8	17.7	18.0	19.6	18.8	18.3	18.6	19.0	17.2	19.8	16.7	18.0	19.1
18 to 19 years	14.0	14.5	13.3	14.5	16.0	14.9	14.2	15.7	15.9	15.6	15.5	15.5	14.2
20 to 24 years	9.1	9.3	9.5	9.4	9.7	9.7	9.4	9.8	9.6	9.7	9.3	10.2	9.8
25 years and over	5.0	5.0	4.9	4.9	4.9	4.8	4.7	4.9	4.6	4.9	4.7	4.7	4.9
25 to 54 years	5.4	5.4	5.3	5.3	5.2	5.2	5.0	5.3	5.0	5.2	5.0	5.1	5.2
55 years and over	3.2	3.3	3.6	3.2	3.6	2.8	3.1	3.2	2.9	3.4	2.9	2.9	3.4

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

[Numbers in thousands]

Reason for unemployment	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,441	2,475	2,457	2,520	2,356	2,449	2,526	2,680	2,632	2,731	2,729	2,728	2,988
On layoff	752	779	791	839	725	816	797	915	855	929	987	944	1,019
Other job losers	1,689	1,696	1,666	1,681	1,631	1,633	1,729	1,765	1,777	1,802	1,742	1,784	1,969
Job leavers	900	828	864	847	940	857	846	875	825	835	845	800	779
Reentrants	1,721	1,766	1,766	1,778	1,767	1,753	1,762	1,788	1,760	1,762	1,698	1,771	1,797
New entrants	824	858	808	800	824	781	726	745	801	804	736	858	811
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	41.5	41.8	41.7	42.4	40.0	41.9	43.1	44.0	43.7	44.5	45.4	44.3	46.9
On layoff	12.8	13.1	13.4	14.1	12.3	14.0	13.6	15.0	14.2	15.2	16.4	15.3	16.0
Other job losers	28.7	28.6	28.3	28.3	27.7	28.0	29.5	29.0	29.5	29.4	29.0	29.0	30.9
Job leavers	15.3	14.0	14.7	14.2	16.0	14.7	14.4	14.4	13.7	13.6	14.1	13.0	12.2
Reentrants	29.2	29.8	30.0	29.9	30.0	30.0	30.1	29.4	29.2	28.7	28.3	28.8	28.2
New entrants	14.0	14.5	13.7	13.5	14.0	13.4	12.4	12.2	13.3	13.1	12.3	13.9	12.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.4	2.4	2.4	2.5	2.3	2.4	2.5	2.6	2.5	2.6	2.6	2.6	2.9
Job leavers .....	.9	.8	.8	.8	.9	.8	.8	.8	.8	.8	.8	.8	.7
Reentrants	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7
New entrants .....	.8	.8	.8	.8	.8	.8	.7	.7	.8	.8	.7	.8	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	96,157	96,496	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804
16 to 19 years	8,121	8,088	8,110	7,989	7,926	7,994	7,986	7,693	7,976	7,919	7,986	8,032	7,952
16 to 17 years	3,336	3,345	3,320	3,275	3,212	3,252	3,242	3,048	3,335	3,251	3,315	3,320	3,247
18 to 19 years	4,802	4,747	4,781	4,723	4,699	4,704	4,725	4,623	4,665	4,674	4,694	4,717	4,726
20 to 24 years	13,843	13,943	13,914	13,937	13,867	13,859	13,910	13,849	13,949	13,875	13,920	13,837	13,819
25 years and over	74,208	74,465	74,575	74,296	74,711	74,864	75,290	75,436	75,616	75,728	75,650	76,030	76,080
25 to 54 years	59,823	60,070	60,236	60,092	60,331	60,552	60,986	61,082	61,208	61,302	61,281	61,686	61,799
55 years and over	14,360	14,393	14,364	14,241	14,311	14,305	14,304	14,399	14,381	14,417	14,368	14,350	14,292
Males, 16 years and over	56,326	56,476	56,449	56,294	56,372	56,477	56,570	56,408	56,714	56,629	56,580	56,734	56,486
16 to 19 years	4,302	4,265	4,298	4,245	4,214	4,276	4,245	4,097	4,261	4,186	4,206	4,256	4,207
16 to 17 years	1,785	1,777	1,784	1,774	1,745	1,754	1,743	1,632	1,839	1,758	1,755	1,783	1,745
18 to 19 years	2,524	2,479	2,509	2,473	2,470	2,489	2,485	2,445	2,452	2,430	2,462	2,477	2,478
20 to 24 years	7,524	7,568	7,519	7,593	7,519	7,530	7,510	7,498	7,590	7,531	7,533	7,498	7,441
25 years and over	44,519	44,640	44,636	44,418	44,658	44,681	44,806	44,818	44,912	44,924	44,796	44,966	44,883
25 to 54 years	35,648	35,760	35,828	35,701	35,857	35,921	36,020	35,962	36,052	36,100	36,020	36,206	36,161
55 years and over	8,870	8,868	8,840	8,746	8,802	8,767	8,789	8,831	8,844	8,793	8,782	8,759	8,723
Females, 16 years and over	39,831	40,020	40,174	39,960	40,123	40,175	40,614	40,596	40,790	40,845	41,028	41,178	41,318
16 to 19 years	3,819	3,823	3,812	3,744	3,712	3,718	3,741	3,596	3,715	3,733	3,780	3,776	3,744
16 to 17 years	1,551	1,568	1,536	1,501	1,467	1,498	1,499	1,416	1,496	1,493	1,560	1,537	1,502
18 to 19 years	2,278	2,268	2,272	2,250	2,229	2,215	2,240	2,178	2,213	2,244	2,232	2,240	2,248
20 to 24 years	6,319	6,375	6,395	6,344	6,348	6,329	6,400	6,351	6,359	6,344	6,387	6,339	6,377
25 years and over	29,689	29,825	29,939	29,878	30,053	30,183	30,484	30,618	30,704	30,804	30,854	31,064	31,197
25 to 54 years	24,175	24,310	24,408	24,391	24,474	24,631	24,966	25,120	25,156	25,202	25,261	25,480	25,638
55 years and over	5,490	5,525	5,524	5,495	5,509	5,538	5,515	5,568	5,537	5,624	5,586	5,591	5,569

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

(In thousands)

Sex and age	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	5,904	5,883	5,882	5,944	5,903	5,824	5,909	6,124	5,990	6,121	6,044	6,087	6,425
16 to 19 years	1,542	1,543	1,506	1,555	1,565	1,459	1,495	1,534	1,544	1,554	1,512	1,527	1,545
16 to 17 years	761	759	754	754	747	690	676	690	680	732	692	728	764
18 to 19 years	771	794	745	790	829	791	803	841	860	825	811	802	772
20 to 24 years	1,322	1,315	1,346	1,316	1,355	1,359	1,386	1,415	1,413	1,470	1,346	1,505	1,554
25 years and over	3,032	3,021	3,025	3,071	2,997	3,005	3,041	3,155	3,036	3,140	3,168	3,040	3,326
25 to 54 years	2,590	2,581	2,572	2,606	2,520	2,562	2,567	2,697	2,647	2,698	2,744	2,650	2,818
55 years and over	444	442	460	456	465	434	478	467	422	449	403	400	512
Males, 16 years and over	2,997	2,958	2,972	2,999	2,941	2,893	3,027	3,083	3,098	3,098	3,124	3,089	3,392
16 to 19 years	830	820	808	809	811	724	773	797	816	781	789	786	815
16 to 17 years	425	422	416	387	407	355	334	358	370	363	380	390	410
18 to 19 years	401	410	395	407	403	404	431	436	442	410	402	391	399
20 to 24 years	686	664	678	659	674	682	723	724	734	789	692	782	860
25 years and over	1,479	1,463	1,479	1,525	1,451	1,483	1,531	1,575	1,552	1,565	1,642	1,505	1,719
25 to 54 years	1,219	1,206	1,219	1,237	1,173	1,201	1,252	1,299	1,327	1,322	1,405	1,282	1,410
55 years and over	262	251	253	272	258	276	302	283	254	254	237	231	314
Females, 16 years and over	2,907	2,925	2,910	2,945	2,962	2,931	2,882	3,041	2,892	3,023	2,920	2,998	3,034
16 to 19 years	712	723	698	746	754	735	722	737	728	773	723	741	730
16 to 17 years	336	337	338	367	340	335	342	332	310	369	312	338	354
18 to 19 years	370	384	350	383	426	387	372	405	418	415	409	411	373
20 to 24 years	636	651	668	657	681	677	663	691	679	681	654	723	694
25 years and over	1,553	1,558	1,546	1,546	1,546	1,522	1,510	1,580	1,484	1,575	1,526	1,535	1,607
25 to 54 years	1,371	1,375	1,353	1,369	1,347	1,361	1,315	1,398	1,320	1,376	1,339	1,368	1,408
55 years and over	182	191	207	184	207	158	176	184	168	195	166	169	198

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Selected categories	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTICS													
Total, 16 years and over	96,157	96,496	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804
Married men, spouse present	39,139	39,291	39,193	38,910	39,045	39,079	39,176	39,180	39,198	39,124	38,845	38,924	38,749
Married women, spouse present	22,372	22,522	22,605	22,376	22,547	22,664	22,908	22,869	22,937	22,919	22,940	23,027	23,111
OCCUPATION													
White-collar workers	48,303	48,836	48,996	49,061	49,136	49,192	49,536	49,663	49,816	49,738	49,912	49,911	50,313
Professional and technical	14,734	14,950	15,012	15,091	15,100	15,010	15,057	15,068	15,141	15,057	15,131	15,272	15,337
Managers and administrators,													
except farm	10,312	10,379	10,392	10,398	10,427	10,534	10,612	10,698	10,659	10,639	10,617	10,535	10,608
Sales workers	6,048	6,090	6,055	6,084	6,101	6,103	6,163	6,145	6,181	6,261	6,362	6,346	6,452
Clerical workers	17,209	17,417	17,537	17,488	17,508	17,545	17,704	17,752	17,835	17,781	17,802	17,758	17,915
Blue-collar workers	32,290	32,176	32,041	31,705	31,904	31,992	32,051	31,849	32,209	32,205	32,110	32,302	31,882
Craft and kindred workers	12,807	12,898	12,792	12,703	12,820	12,944	12,876	12,761	12,993	13,001	12,925	13,041	12,814
Operatives, except transport	10,958	10,901	10,991	10,770	10,755	10,804	10,884	10,909	10,964	10,967	10,963	11,042	10,678
Transport equipment													
operatives	3,651	3,602	3,569	3,564	3,644	3,605	3,627	3,604	3,617	3,593	3,628	3,635	3,616
Nonfarm laborers	4,874	4,775	4,689	4,668	4,685	4,639	4,664	4,575	4,635	4,644	4,594	4,584	4,774
Service workers	12,817	12,804	12,847	12,907	12,772	12,805	12,766	12,621	12,859	12,937	12,899	12,970	12,979
Farm workers	2,764	2,746	2,774	2,659	2,628	2,679	2,678	2,707	2,722	2,695	2,718	2,694	2,660
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,387	1,425	1,415	1,379	1,424	1,423	1,419	1,384	1,399	1,381	1,475	1,451	1,428
Self-employed workers	1,564	1,558	1,583	1,553	1,519	1,539	1,558	1,614	1,642	1,602	1,622	1,596	1,554
Unpaid family workers	295	334	314	291	283	291	291	310	325	313	310	310	293
Nonagricultural industries:													
Wage and salary workers	86,029	86,192	86,439	86,105	86,232	86,309	86,454	86,421	86,912	86,982	87,020	87,384	87,578
Government	15,251	15,322	15,281	15,359	15,616	15,318	15,393	15,279	15,407	15,423	15,358	15,397	15,414
Private industries	70,778	70,870	71,158	70,746	70,616	70,991	71,061	71,142	71,505	71,559	71,662	71,987	72,163
Private households	1,247	1,328	1,262	1,172	1,195	1,235	1,219	1,211	1,313	1,261	1,211	1,228	1,132
Other industries	69,531	69,542	69,896	69,574	69,421	69,756	69,842	69,931	70,192	70,298	70,451	70,759	71,031
Self-employed workers	6,497	6,591	6,542	6,463	6,608	6,629	6,752	6,689	6,731	6,812	6,781	6,737	6,752
Unpaid family workers	475	455	446	465	460	474	519	450	449	430	417	409	379
PERSONS AT WORK¹													
Nonagricultural industries	87,520	87,543	87,847	86,608	87,785	87,749	88,769	88,855	88,723	88,638	88,617	89,180	89,454
Full-time schedules	72,176	72,212	72,529	71,659	72,496	72,243	72,915	73,053	73,159	73,204	72,997	73,137	73,223
Part-time for economic reasons	3,203	3,176	3,211	3,279	3,283	3,284	3,274	3,298	3,167	3,315	3,392	3,519	3,513
Usually work full-time	1,252	1,246	1,254	1,287	1,273	1,322	1,334	1,401	1,273	1,354	1,413	1,491	1,549
Usually work part-time	1,951	1,930	1,957	1,992	2,010	1,962	1,940	1,897	1,894	1,961	1,979	2,028	1,964
Part time for noneconomic													
reasons	12,141	12,155	12,107	11,670	12,006	12,222	12,580	12,504	12,397	12,119	12,228	12,524	12,718

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

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	Jan. 1979	Jan. 1980	
VETERANS¹										
Total, 20 years and over	9,463	8,568	8,028	8,117	7,589	7,625	439	492	5.5	6.1
20 to 24 years	639	441	589	412	508	338	81	74	13.8	18.0
25 to 39 years	7,037	7,207	6,758	6,924	6,430	6,530	328	394	4.9	5.7
25 to 29 years	2,119	1,825	2,002	1,718	1,869	1,556	133	162	6.6	9.4
30 to 34 years	3,547	3,616	3,421	3,507	3,285	3,349	136	158	4.0	4.5
35 to 39 years	1,371	1,766	1,335	1,699	1,276	1,625	59	74	4.4	4.4
40 years and over	787	920	681	781	651	757	30	24	4.4	3.1
NONVETERANS²										
Total, 25 to 39 years	14,169	15,076	13,431	14,311	12,807	13,531	624	780	4.6	5.5
25 to 29 years	6,427	6,896	6,022	6,531	5,666	6,135	356	396	5.9	6.1
30 to 34 years	4,064	4,380	3,904	4,175	3,752	3,943	152	232	3.9	5.6
35 to 39 years	3,678	3,800	3,505	3,605	3,389	3,453	116	152	3.3	4.2

¹ Vietnam-era veterans are those who served between August 5, 1964 and May 1975.

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	Total	Goods-producing						Service-producing								
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government			
								Total	Wholesale trade	Retail trade			Total	Federal	State and local	
1920.....	27,340	12,760	1,239	863	10,658	14,605	3,998	4,467	-	-	1,160	2,352	2,603	-	-	
1925.....	28,766	12,489	1,089	1,461	9,939	16,304	3,826	5,576	-	-	1,218	2,857	2,800	-	-	
1926.....	29,806	12,911	1,185	1,570	10,156	16,923	3,942	5,784	-	-	1,290	3,033	2,846	-	-	
1927.....	29,962	12,738	1,114	1,623	10,001	17,253	3,895	5,908	-	-	1,352	3,154	2,915	-	-	
1928.....	29,986	12,618	1,050	1,621	9,947	17,397	3,828	5,874	-	-	1,420	3,251	2,995	-	-	
1929.....	31,324	13,301	1,087	1,512	10,702	18,053	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532	
1930.....	29,409	11,958	1,009	1,387	9,562	17,481	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622	
1931.....	26,635	10,272	873	1,229	8,170	16,392	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704	
1932.....	23,615	8,647	731	985	6,931	14,996	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666	
1933.....	23,699	8,965	744	824	7,397	14,761	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601	
1934.....	25,940	10,261	883	877	8,501	15,707	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647	
1935.....	27,039	10,893	897	927	9,069	16,175	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728	
1936.....	29,068	11,933	946	1,160	9,827	17,164	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842	
1937.....	31,011	12,936	1,015	1,127	10,794	18,105	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923	
1938.....	29,194	11,401	891	1,070	9,440	17,823	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054	
1939.....	30,603	12,297	854	1,165	10,278	16,544	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090	
1940.....	32,361	13,221	925	1,311	10,985	17,304	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206	
1941.....	36,535	15,963	957	1,814	13,192	18,615	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320	
1942.....	40,106	18,470	992	2,198	15,280	19,730	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270	
1943.....	42,434	20,114	925	1,587	17,602	20,498	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175	
1944.....	41,864	19,328	892	1,108	17,328	20,692	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116	
1945.....	40,374	17,507	836	1,147	15,524	20,920	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137	
1946.....	41,652	17,248	862	1,683	14,703	22,112	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341	
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582	
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787	
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948	
1950.....	45,197	18,506	901	2,364	15,241	26,990	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098	
1951.....	47,819	19,959	929	2,637	16,393	27,861	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087	
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188	
1953.....	50,202	21,074	866	2,659	17,549	29,127	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340	
1954.....	48,990	19,751	791	2,646	16,314	29,238	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563	
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727	
1956.....	52,369	21,104	822	3,039	17,243	31,264	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069	
1957.....	52,853	20,964	828	2,962	17,174	31,888	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399	
1958.....	51,324	19,513	751	2,817	15,945	31,810	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648	
1959.....	53,268	20,411	732	3,004	16,675	32,858	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850	
1960.....	54,185	20,434	712	2,926	16,796	33,756	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083	
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315	
1962.....	55,549	20,451	650	2,948	16,853	35,094	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550	
1963.....	56,653	20,640	635	3,010	16,995	36,014	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868	
1964.....	58,283	21,005	634	3,097	17,274	37,277	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248	
1965.....	60,765	21,926	632	3,232	18,062	38,838	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696	
1966.....	63,901	23,158	627	3,317	19,214	40,744	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220	
1967.....	65,803	23,308	613	3,248	19,447	42,496	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672	
1968.....	67,897	23,737	606	3,350	19,781	44,158	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102	
1969.....	70,384	24,362	619	3,575	20,167	46,022	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437	
1970.....	70,880	23,577	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823	
1971.....	71,214	22,935	609	3,704	18,623	48,276	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185	
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649	
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068	
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446	
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937	
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138	
1977.....	82,423	24,346	813	3,851	19,682	58,077	4,713	18,516	4,708	13,808	4,467	15,303	15,079	2,727	12,352	
1978.....	86,446	25,597	851	4,271	20,476	60,849	4,927	19,499	4,957	14,542	4,727	16,220	15,476	2,753	12,723	
1979P.....	89,482	26,574	957	4,644	20,973	62,908	5,153	20,136	5,171	14,965	4,963	17,043	15,613	2,773	12,841	
1979:																
JAN.....	87,128	25,671	910	3,958	20,763	61,457	5,010	19,765	5,066	14,699	4,829	16,353	15,500	2,730	12,770	
FEB.....	87,331	25,647	915	3,957	20,775	61,684	5,028	19,548	5,067	14,481	4,845	16,545	15,718	2,738	12,980	
MAR.....	88,207	26,039	926	4,226	20,887	62,168	5,060	19,690	5,098	14,592	4,870	16,749	15,799	2,740	13,059	
APR.....	88,820	26,252	932	4,413	20,907	62,568	4,989	19,957	5,112	14,845	4,900	16,897	15,825	2,750	13,075	
MAY.....	89,671	26,554	944	4,662	20,988	63,077	5,125	20,119	5,116	14,973	4,936	17,039	15,858	2,773	13,085	
JUN.....	90,541	27,083	968	4,881	21,234	63,458	5,231	20,222	5,211	15,011	5,003	17,239	15,763	2,824	12,939	
JUL.....	89,618	26,934	976	4,953	20,965	62,684	5,200	20,118	5,208	14,910	5,032	17,314	15,020	2,838	12,182	
AUG.....	89,673	27,030	986	5,048	20,996	62,643	5,210	20,137	5,211	14,926	5,053	17,312	14,931	2,844	12,087	
SEPT.....	90,211	27,156	980	4,984	21,192	63,055	5,242	20,260	5,206	15,054	5,002	17,225	15,326	2,751	12,575	
OCT.....	90,678	27,052	982	4,976	21,094	63,626	5,244	20,314	5,235	15,079	5,013	17,292	15,763	2,756	13,007	
NOV.....	90,902	26,829	984	4,879	20,966	64,073	5,255	20,580	5,251	15,329	5,029	17,281	15,928	2,760	13,168	
DEC.P.....	91,000	26,558	985	4,768	20,905	64,402	5,237	20,923	5,238	15,685	5,039	17,273	15,930	2,770	13,160	
1980:																
JAN.P.....	89,176	25,959	977	4,305	20,677	63,217	5,173	20,175	5,207	14,968	5,030	17,083	15,756	2,754	13,002	

¹ Data include Alaska and Hawaii beginning 1969. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

p = preliminary.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980	Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980
-	TOTAL	88,893	87,128	90,902	91,000	89,176	-	-	-	-	-
-	PRIVATE SECTOR	73,206	71,628	74,974	75,070	73,420	60,021	58,436	61,282	61,379	59,693
-	MINING	916	910	984	985	977	692	687	735	734	720
10	METAL MINING	93.5	93.0	100.0	99.6	-	72.0	72.1	76.8	76.2	-
101	Iron ores	24.8	24.5	24.8	24.2	-	20.0	19.9	20.0	19.4	-
102	Copper ores	29.3	29.6	33.6	33.6	-	22.5	22.7	26.1	26.2	-
11, 12	COAL MINING	255.8	254.8	260.4	259.4	-	215.2	214.4	216.9	216.2	-
12	BITUMINOUS COAL AND LIGNITE MINING	252.8	251.8	257.3	256.4	-	212.5	211.8	214.2	213.5	-
13	OIL AND GAS EXTRACTION	447.0	450.0	496.1	503.0	-	310.1	312.7	340.4	344.2	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	189.2	190.6	206.5	208.7	-	91.5	93.2	95.4	96.4	-
138	Oil and gas field services	257.8	259.4	289.6	294.3	-	218.6	219.5	245.0	247.8	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	119.2	112.1	127.2	123.4	-	94.7	87.7	101.2	97.2	-
142	Crushed and broken stone	39.1	35.9	42.2	40.2	-	32.7	29.5	35.4	33.3	-
144	Sand and gravel	36.2	32.7	39.7	37.5	-	-	-	-	-	-
147	Chemical and fertilizer minerals	24.1	23.8	24.9	25.0	-	-	-	-	-	-
-	CONSTRUCTION	4,402	3,998	4,879	4,708	4,305	3,510	3,106	3,917	3,751	3,350
15	GENERAL BUILDING CONTRACTORS	1,275.5	1,168.7	1,362.9	1,324.4	-	995.4	884.6	1,061.1	1,023.7	-
152	Residential building construction	680.8	624.5	695.6	677.2	-	524.1	463.8	525.3	507.5	-
153	Operative builders	82.8	76.5	85.5	82.1	-	54.2	49.3	54.3	50.5	-
154	Nonresidential building construction	511.9	467.7	581.8	565.1	-	417.1	371.5	481.5	465.7	-
16	HEAVY CONSTRUCTION CONTRACTORS	831.9	703.1	943.7	853.4	-	676.4	553.4	782.8	698.1	-
161	Highway and street construction	237.7	177.5	312.1	262.2	-	199.4	139.5	270.0	221.5	-
162	Heavy construction, except highway	594.2	525.6	631.6	591.2	-	477.0	413.9	512.8	476.6	-
17	SPECIAL TRADE CONTRACTORS	2,294.4	2,126.4	2,572.5	2,530.6	-	1,837.9	1,667.9	2,072.9	2,029.5	-
171	Plumbing, heating, air conditioning	540.4	516.0	567.1	566.7	-	391.9	391.9	434.3	433.7	-
172	Painting, paper hanging, decorating	144.2	127.3	168.6	161.3	-	120.9	104.0	141.6	134.4	-
173	Electrical work	394.6	386.3	431.3	432.5	-	310.6	301.6	340.1	340.6	-
174	Masonry, stonework, and plastering	379.1	342.6	438.2	432.4	-	330.1	291.4	382.7	376.7	-
175	Carpentering and flooring	148.4	141.1	151.8	152.5	-	116.0	109.7	116.4	117.1	-
176	Roofing and sheet metal work	165.5	141.8	194.8	190.7	-	135.1	111.3	159.6	155.9	-
-	MANUFACTURING	20,902	20,763	20,966	20,905	20,677	15,047	14,910	14,954	14,900	14,673
24, 25, 32-39	DURABLE GOODS	12,616	12,561	12,661	12,645	12,518	9,081	9,016	8,983	8,969	8,822
20-23, 26-31	NONDURABLE GOODS	8,286	8,202	8,305	8,260	8,159	5,966	5,894	5,971	5,931	5,851
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	753.9	739.0	748.9	730.8	709.8	642.9	628.6	636.2	616.6	595.2
241	Logging camps and logging contractors	86.5	84.0	92.2	88.1	-	70.7	68.2	77.1	72.8	-
242	Sawmills and planing mills	229.6	225.5	228.6	227.8	-	204.9	200.8	204.2	202.8	-
2421	Sawmills and planing mills, general	189.2	185.1	188.3	187.6	-	169.3	165.4	168.7	167.8	-
2426	Hardwood dimension and flooring	33.4	33.6	32.2	31.5	-	29.4	29.4	28.1	27.5	-
243	Millwork, plywood, and structural members	226.2	223.9	218.5	211.4	-	190.7	188.3	181.8	174.5	-
2431	Millwork	80.3	79.5	76.2	73.4	-	66.0	65.7	61.6	59.0	-
2434	Wood kitchen cabinets	50.3	49.8	49.4	48.6	-	41.8	41.4	41.6	40.4	-
2435	Hardwood veneer and plywood	27.8	27.6	27.3	26.5	-	24.9	24.7	24.2	23.4	-
2436	Softwood veneer and plywood	49.9	49.8	48.9	46.9	-	43.8	43.1	42.1	40.1	-
244	Wooden containers	43.3	43.0	41.4	40.9	-	38.0	37.9	36.3	35.7	-
245	Wood buildings and mobile homes	83.3	77.9	81.7	76.9	-	66.9	61.9	64.2	59.6	-
2451	Mobile homes	57.2	53.8	56.6	53.5	-	48.1	44.9	46.0	42.9	-
249	Miscellaneous wood products	85.0	84.7	86.5	85.7	-	71.7	71.5	72.6	71.2	-
25	FURNITURE AND FIXTURES	498.4	497.0	488.7	486.6	483.8	409.7	407.8	399.7	397.5	392.8
251	Household furniture	332.9	332.1	323.5	322.4	-	283.4	282.3	274.5	273.1	-
2511	Wood household furniture	147.1	147.0	144.2	143.5	-	130.5	130.2	127.8	127.2	-
2512	Upholstered household furniture	103.3	103.0	99.4	99.1	-	85.4	85.2	82.1	81.6	-
2514	Metal household furniture	33.2	33.4	31.9	32.1	-	26.9	27.0	25.7	25.9	-
2515	Mattresses and bedsprings	32.1	32.3	32.0	32.1	-	25.0	25.1	24.9	24.7	-
252	Office furniture	48.2	48.3	47.3	46.5	-	39.0	39.0	37.7	37.2	-
253	Public building and related furniture	26.2	26.2	25.2	25.2	-	20.0	19.8	19.1	18.9	-
254	Partitions and fixtures	63.7	63.0	65.7	65.3	-	48.4	47.8	49.7	49.4	-
259	Miscellaneous furniture and fixtures	27.4	27.4	27.0	27.2	-	18.9	18.9	18.7	18.9	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980	Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980
32	STONE, CLAY, AND GLASS PRODUCTS	703.6	681.6	712.9	699.7	675.6	557.2	536.1	560.7	548.3	527.3
321	Flat glass	19.3	19.1	19.7	18.6	-	14.9	14.8	15.3	14.4	-
322	Glass and glassware, pressed or blown	134.5	133.4	131.0	130.3	-	115.6	114.3	111.9	111.1	-
3221	Glass containers	74.7	73.9	71.0	70.0	-	65.7	64.7	62.3	61.3	-
3229	Pressed and blown glass, nec	59.8	59.5	60.0	60.3	-	49.9	49.6	49.6	49.8	-
323	Products of purchased glass	49.0	47.9	49.8	49.3	-	35.5	35.1	36.1	36.0	-
324	Cement, hydraulic	32.4	32.4	33.6	33.3	-	26.1	26.1	26.9	26.6	-
325	Structural clay products	51.2	50.1	49.4	48.7	-	40.4	39.5	38.1	37.6	-
326	Pottery and related products	46.4	44.9	47.6	46.6	-	39.1	37.8	40.0	39.0	-
327	Concrete, gypsum, and plaster products	211.0	195.9	221.0	212.7	-	164.9	149.7	172.5	164.5	-
3271	Concrete block and brick	24.8	23.0	25.1	24.3	-	17.4	15.9	17.8	17.0	-
3272	Concrete products, nec	72.4	68.5	71.4	68.9	-	56.5	52.1	54.8	52.4	-
3273	Ready-mixed concrete	92.4	83.2	102.3	97.4	-	73.4	64.3	81.7	76.9	-
329	Misc. nonmetallic mineral products	146.9	146.0	147.8	147.4	-	110.3	109.3	109.5	108.8	-
3291	Abrasive products	29.3	29.4	29.6	29.7	-	20.1	20.1	20.3	20.3	-
3292	Asbestos products	23.1	23.1	21.2	21.1	-	18.1	18.0	16.5	16.2	-
3296	Mineral wool	31.1	30.6	32.1	32.1	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,243.0	1,243.8	1,216.7	1,204.5	1,199.5	982.0	982.3	950.6	939.9	935.6
331	Blast furnace and basic steel products	565.6	565.4	548.4	542.6	-	448.1	448.4	430.0	425.7	-
3312	Blast furnaces and steel mills	476.0	475.2	460.4	455.8	-	378.4	378.2	362.0	358.4	-
3317	Steel pipe and tubes	31.5	31.7	30.9	30.5	-	24.9	25.0	24.1	23.8	-
332	Iron and steel foundries	245.9	246.0	225.4	220.2	-	202.2	201.7	182.8	178.4	-
3321	Gray iron foundries	155.3	154.5	135.4	131.0	-	130.0	129.0	111.5	107.8	-
3322	Malleable iron foundries	22.7	23.1	19.7	19.3	-	18.5	18.8	15.5	15.1	-
3325	Steel foundries, nec	54.7	55.1	55.4	54.9	-	44.1	44.2	44.3	43.9	-
333	Primary nonferrous metals	71.1	70.5	73.0	73.3	-	55.5	54.9	56.4	56.4	-
3334	Primary aluminum	36.2	35.8	37.2	37.4	-	29.4	29.0	25.6	29.7	-
335	Nonferrous rolling and drawing	216.0	216.0	221.9	221.6	-	159.2	159.2	163.3	162.5	-
3351	Copper rolling and drawing	33.1	33.0	33.4	33.1	-	26.3	26.3	25.8	25.5	-
3353	Aluminum sheet, plate, and foil	35.3	35.5	35.5	35.0	-	26.7	27.0	27.2	26.6	-
3357	Nonferrous wire drawing and insulating	87.4	87.7	91.3	92.1	-	65.2	65.4	67.6	68.4	-
336	Nonferrous foundries	97.9	98.6	96.8	95.3	-	81.4	82.0	78.8	77.3	-
3361	Aluminum foundries	55.7	56.2	55.3	53.6	-	47.0	47.5	45.9	44.2	-
34	FABRICATED METAL PRODUCTS	1,723.6	1,716.0	1,738.2	1,728.7	1,705.8	1,310.9	1,301.8	1,311.9	1,301.4	1,278.6
341	Metal cans and shipping containers	76.7	77.2	76.8	76.8	-	64.3	64.6	64.5	64.3	-
3411	Metal cans	63.0	63.3	62.4	62.4	-	53.1	53.2	52.8	52.6	-
342	Cutlery, hand tools, and hardware	187.2	186.1	184.7	183.1	-	146.1	145.3	143.5	141.8	-
3423,5	Hand and edge tools, and hand saws and blades	65.1	65.2	65.2	65.5	-	51.3	51.6	51.1	51.4	-
3429	Hardware, nec	105.6	104.7	103.1	101.1	-	82.8	81.8	80.5	78.5	-
343	Plumbing and heating, except electric	76.7	75.7	78.0	77.1	-	57.4	56.0	58.1	57.3	-
3432	Plumbing fittings and brass goods	28.5	28.2	29.1	29.0	-	23.3	22.9	23.9	23.8	-
3433	Heating equipment, except electric	36.7	35.9	37.2	36.5	-	25.6	24.6	26.0	25.4	-
344	Fabricated structural metal products	518.7	512.5	532.3	530.7	-	368.2	362.5	376.8	374.7	-
3441	Fabricated structural metal	103.0	102.3	109.5	110.2	-	74.5	74.2	75.3	79.9	-
3442	Metal doors, sash, and trim	87.4	84.4	90.2	87.4	-	65.6	63.2	66.0	65.3	-
3443	Fabricated plate work (boiler shops)	149.7	149.4	148.8	149.2	-	98.1	97.7	96.2	96.0	-
3444	Sheet metal work	107.1	106.0	111.5	111.6	-	79.6	78.2	83.2	83.1	-
3446	Architectural metal work	31.5	31.0	31.9	32.2	-	22.8	22.4	23.0	23.3	-
345	Screw machine products, bolts, etc.	115.9	116.8	122.0	121.9	-	91.1	92.0	95.7	95.9	-
3451	Screw machine products	55.2	55.7	58.3	58.6	-	45.7	46.2	47.9	48.5	-
3452	Bolts, nuts, rivets, and washers	60.7	61.1	63.7	63.3	-	45.4	45.8	47.8	47.4	-
346	Metal forgings and stampings	314.4	312.0	297.7	293.6	-	255.5	252.4	237.9	233.5	-
3462	Iron and steel forgings	54.8	54.8	55.3	54.3	-	43.9	43.8	43.2	42.3	-
3465	Automotive stampings	121.3	118.1	101.5	98.6	-	102.7	99.3	83.9	80.9	-
3469	Metal stampings, nec	126.9	127.7	129.3	129.0	-	100.0	100.4	101.8	101.1	-
347	Metal services, nec	107.1	106.7	110.5	110.3	-	88.3	87.6	90.2	89.7	-
3471	Plating and polishing	73.6	73.3	74.8	74.3	-	61.5	60.9	61.8	61.2	-
3479	Metal coating and allied services	33.5	33.4	35.7	36.0	-	26.8	26.7	28.4	28.5	-
348	Ordnance and accessories, nec	61.2	61.3	60.2	59.9	-	42.5	42.7	40.7	40.5	-
3483	Ammunition, exc. for small arms, nec	26.4	26.4	26.7	26.5	-	18.5	18.5	18.4	18.1	-
349	Misc. fabricated metal products	265.7	267.7	276.0	275.3	-	197.5	198.7	204.5	203.7	-
3494	Valves and pipe fittings	104.4	105.2	109.3	109.0	-	71.6	72.4	74.5	74.0	-
3496	Misc. fabricated wire products	55.8	55.9	58.7	58.3	-	43.1	43.3	45.8	45.4	-
35	MACHINERY, EXCEPT ELECTRICAL	2,415.7	2,428.7	2,440.9	2,454.6	2,499.4	1,601.1	1,606.1	1,596.0	1,606.9	1,635.8
351	Engines and turbines	139.6	139.0	132.2	131.3	-	91.8	90.7	86.2	85.6	-
3511	Turbines and turbine generator sets	43.5	42.9	40.9	40.7	-	23.0	22.3	21.0	20.7	-
3519	Internal combustion engines, nec	96.1	96.1	91.3	90.6	-	68.8	68.4	65.2	64.9	-
352	Farm and garden machinery	174.5	172.8	169.1	172.4	-	125.9	123.9	120.5	123.4	-
3523	Farm machinery and equipment	154.6	152.3	149.1	152.3	-	111.7	109.3	106.4	109.2	-
353	Construction and related machinery	395.0	397.9	356.2	357.6	-	265.0	266.7	233.9	234.8	-
3531	Construction machinery	172.3	173.4	115.6	115.2	-	118.9	119.2	77.3	76.3	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. p 1980	Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery.....	37.1	37.3	40.2	39.9	-	23.7	23.8	25.4	25.2	-
3533	Oil field machinery.....	81.6	82.5	88.0	89.2	-	56.6	57.7	60.0	61.3	-
3535	Conveyers and conveying equipment.....	35.4	35.7	37.6	38.0	-	21.0	21.1	21.5	22.0	-
3537	Industrial trucks and tractors.....	38.0	37.8	40.1	40.1	-	26.5	26.1	27.8	27.7	-
354	Metalworking machinery.....	357.6	360.1	375.2	378.3	-	260.9	263.2	272.9	275.9	-
3541	Machine tools, metal cutting types.....	74.4	75.3	81.6	82.4	-	47.9	48.9	52.3	53.2	-
3542	Machine tools, metal forming types.....	25.8	26.0	27.5	27.6	-	17.0	17.1	18.1	18.2	-
3544	Special dies, tools, jigs, and fixtures.....	132.9	134.0	134.9	135.4	-	106.9	107.6	107.8	108.5	-
3545	Machine tool accessories.....	65.0	65.3	69.0	69.8	-	46.2	46.4	49.0	49.6	-
3546	Power driven hand tools.....	35.0	34.9	37.4	38.1	-	26.3	26.4	28.9	29.6	-
355	Special industry machinery.....	204.4	204.5	212.6	212.4	-	129.1	129.3	133.8	134.6	-
3551	Food products machinery.....	46.8	47.1	48.7	48.8	-	29.1	29.5	30.7	30.7	-
3552	Textile machinery.....	26.8	26.6	27.5	27.6	-	18.9	18.8	19.5	19.6	-
3555	Printing trades machinery.....	40.6	40.3	44.0	43.5	-	24.6	24.3	26.5	26.7	-
356	General industrial machinery.....	324.4	324.9	332.3	332.7	-	217.4	217.8	221.1	222.0	-
3561	Pumps and pumping equipment.....	60.8	60.8	61.6	61.6	-	37.5	37.6	37.6	37.8	-
3562	Ball and roller bearings.....	59.6	59.6	61.4	61.7	-	46.4	46.5	49.1	49.1	-
3563	Air and gas compressors.....	31.6	31.6	31.0	30.7	-	18.5	18.7	18.3	18.3	-
3564	Blowers and fans.....	41.0	41.3	42.5	42.6	-	26.0	26.1	25.8	26.0	-
3566	Speed changers, drives, and gears.....	26.4	26.5	28.2	28.4	-	18.2	18.3	19.3	19.5	-
3568	Power transmission equipment, nec.....	24.6	24.8	24.3	24.2	-	18.1	18.2	17.6	17.7	-
357	Office and computing machines.....	361.4	364.9	398.4	402.2	-	167.0	167.0	181.8	184.5	-
3573	Electronic computing equipment.....	285.9	289.9	322.1	325.7	-	121.4	122.1	137.1	139.4	-
358	Refrigeration and service machinery.....	188.6	192.2	181.2	182.5	-	134.3	136.6	125.6	125.1	-
3585	Refrigeration and heating equipment.....	130.5	134.4	124.4	125.5	-	93.5	96.3	86.7	86.1	-
359	Misc. machinery, except electrical.....	270.2	272.4	283.7	285.2	-	209.7	210.9	222.2	221.0	-
3592	Carburetors, pistons, rings, valves.....	43.6	43.6	44.8	44.9	-	34.7	34.6	35.6	35.7	-
3599	Machinery, except electrical, nec.....	226.6	228.8	238.9	240.3	-	175.0	176.3	184.6	185.3	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,062.4	2,060.9	2,146.3	2,154.7	2,147.8	1,359.3	1,355.7	1,395.0	1,400.7	1,390.8
361	Electric distributing equipment.....	122.9	123.0	122.0	122.6	-	88.7	88.7	86.5	86.8	-
3612	Transformers.....	55.9	55.8	56.1	56.3	-	40.0	39.8	39.9	39.9	-
3613	Switchgear and switchboard apparatus.....	67.0	67.2	65.9	66.3	-	48.7	48.9	46.6	46.9	-
362	Electrical industrial apparatus.....	254.3	254.5	260.0	260.2	-	183.8	183.9	185.4	185.6	-
3621	Motors and generators.....	137.9	138.2	135.5	136.3	-	104.5	104.8	102.2	102.6	-
3622	Industrial controls.....	68.6	68.3	73.6	73.1	-	44.9	44.5	46.3	46.4	-
363	Household appliances.....	174.9	173.5	179.3	177.1	-	135.9	135.2	142.8	139.8	-
3632	Household refrigerators and freezers.....	38.6	39.4	37.5	38.2	-	29.9	30.8	30.5	30.8	-
3633	Household laundry equipment.....	21.2	21.6	23.7	23.8	-	16.3	16.6	18.7	18.8	-
3634	Electric housewares and fans.....	52.7	50.1	53.9	52.3	-	41.3	39.3	43.4	41.6	-
364	Electric lighting and wiring equipment.....	226.4	227.2	228.6	230.0	-	172.5	173.9	171.8	173.7	-
3641	Electric lamps.....	38.7	39.5	37.8	39.0	-	33.9	35.3	33.5	34.6	-
3643	Current-carrying wiring devices.....	95.1	95.3	100.7	101.8	-	67.6	67.9	70.4	71.6	-
3644	Noncurrent-carrying wiring devices.....	22.6	22.8	22.1	22.1	-	16.6	16.7	16.0	16.1	-
3645	Residential lighting fixtures.....	27.4	26.9	27.2	27.1	-	21.2	20.8	21.2	21.3	-
365	Radio and TV receiving equipment.....	117.3	112.1	112.9	112.1	-	88.0	82.4	83.3	82.0	-
3651	Radio and TV receiving sets.....	92.9	91.1	92.0	91.7	-	68.7	66.5	66.6	65.7	-
366	Communication equipment.....	512.2	514.1	544.7	546.1	-	253.6	254.4	271.6	272.6	-
3661	Telephone and telegraph apparatus.....	154.2	153.4	165.3	166.4	-	106.6	106.4	116.3	117.0	-
3662	Radio and TV communication equipment.....	358.0	360.7	379.4	379.7	-	147.0	148.0	155.3	155.6	-
367	Electronic components and accessories.....	485.0	487.7	536.1	540.9	-	308.8	310.0	334.7	338.1	-
3671-3	Electronic tubes.....	41.9	42.3	45.6	45.3	-	27.3	27.7	28.7	28.7	-
3674	Semiconductors and related devices.....	181.4	181.8	203.3	205.8	-	87.8	87.4	93.5	95.4	-
3679	Electronic components, nec.....	192.2	193.6	211.5	212.8	-	137.3	138.2	151.1	151.7	-
369	Misc. electrical equipment and supplies.....	169.4	168.8	162.7	165.7	-	128.0	127.2	118.9	122.1	-
3691	Storage batteries.....	32.4	32.4	33.1	33.0	-	25.9	25.8	26.5	26.6	-
3694	Engine electrical equipment.....	80.6	80.2	68.9	71.7	-	64.1	63.6	52.0	54.9	-
37	TRANSPORTATION EQUIPMENT	2,087.6	2,075.2	2,009.7	2,038.6	1,963.2	1,459.3	1,446.5	1,359.9	1,395.0	1,313.9
371	Motor vehicles and equipment.....	1,047.3	1,031.5	912.9	941.8	-	825.2	810.4	694.1	729.5	-
3711	Motor vehicles and car bodies.....	480.6	469.1	404.8	441.9	-	363.0	352.5	292.1	331.0	-
3713	Truck and bus bodies.....	48.6	48.8	46.3	44.9	-	39.6	39.5	36.6	35.4	-
3714	Motor vehicle parts and accessories.....	483.5	479.4	428.8	422.2	-	395.5	391.2	335.6	337.5	-
3715	Truck trailers.....	34.2	34.2	33.0	32.8	-	27.1	27.2	25.8	25.6	-
372	Aircraft and parts.....	567.4	573.7	632.9	637.4	-	305.2	310.2	347.1	352.1	-
3721	Aircraft.....	314.7	318.3	351.9	353.7	-	153.7	156.9	177.9	180.5	-
3724	Aircraft engines and engine parts.....	141.1	142.3	155.5	156.9	-	80.1	80.9	89.6	91.1	-
3728	Aircraft equipment, nec.....	111.6	113.1	125.5	126.8	-	71.4	72.4	75.6	80.5	-
373	Ship and boat building and repairing.....	221.9	216.8	216.8	212.6	-	178.8	174.1	174.4	170.7	-
3731	Ship building and repairing.....	167.7	162.4	169.6	166.3	-	133.8	129.4	135.3	132.3	-
3732	Boat building and repairing.....	54.2	54.4	47.2	46.3	-	45.0	44.7	39.1	38.4	-
374	Railroad equipment.....	69.1	69.4	72.7	72.9	-	53.1	53.6	56.6	56.7	-
376	Guided missiles, space vehicles, parts.....	93.7	94.4	101.3	102.4	-	28.8	29.4	32.8	33.4	-
3761	Guided missiles and space vehicles.....	74.2	74.9	80.1	81.0	-	20.6	21.2	23.9	24.4	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1978 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	71.9	72.2	53.6	53.7	-	55.7	55.4	35.0	38.3	-
3792	Travel trailers and campers	49.4	50.7	31.9	31.6	-	39.7	40.4	24.4	23.8	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	675.6	677.5	695.9	699.2	698.3	416.4	418.0	415.8	423.1	423.9
381	Measuring and controlling devices	68.3	68.6	74.8	75.4	-	34.9	34.9	37.4	37.7	-
382	Environmental controls	222.0	223.8	231.0	232.4	-	142.4	143.8	145.8	148.6	-
3822	Process control instruments	47.0	47.4	46.5	46.6	-	32.5	32.9	32.6	32.8	-
3823	Instruments to measure electricity	50.7	50.6	51.7	51.8	-	27.5	27.6	26.8	27.0	-
3825	Optical instruments and lenses	86.3	87.2	93.5	93.6	-	55.5	56.2	57.9	59.1	-
383	Medical instruments and supplies	29.3	29.6	32.8	32.2	-	16.6	16.6	18.1	18.3	-
384	Surgical and medical instruments	144.9	144.6	149.9	151.1	-	96.8	97.7	97.8	98.4	-
3841	Surgical appliances and supplies	62.4	62.5	65.2	65.7	-	41.5	42.2	42.2	42.6	-
3842	Ophthalmic goods	64.5	64.6	67.4	68.2	-	43.5	43.6	44.4	44.7	-
385	Photographic equipment and supplies	44.7	44.6	45.1	45.6	-	33.1	32.7	32.9	33.1	-
386	Watches, clocks, and watchcases	136.0	136.5	135.7	135.9	-	69.2	69.4	67.4	67.4	-
387	.....	30.4	29.8	26.6	25.6	-	23.4	22.9	20.4	19.6	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	452.3	441.2	462.8	447.2	434.4	341.9	333.1	353.1	339.3	327.9
391	Jewelry, precious metal	64.1	62.4	61.8	60.1	-	46.3	45.9	44.9	43.7	-
3911	Musical instruments	41.8	40.6	40.0	38.6	-	29.3	29.2	28.9	27.9	-
393	Toys and sporting goods	25.7	25.9	24.1	24.2	-	21.1	21.2	19.8	19.9	-
394	Dolls, games, toys, and children's vehicles	113.1	107.2	127.8	115.8	-	85.1	79.9	98.7	87.2	-
3942, 4	Sporting and athletic goods, nec	53.8	49.2	66.0	55.7	-	38.3	34.5	49.7	39.9	-
3949	Pens, pencils, office and art supplies	59.3	58.0	61.8	60.1	-	46.8	45.4	49.0	47.3	-
395	Costume jewelry and notions	39.5	39.8	42.8	43.5	-	28.5	28.7	30.9	31.3	-
396	Costume jewelry	66.2	63.0	60.6	59.4	-	53.9	50.6	48.6	47.6	-
3961	Miscellaneous manufactures	37.6	34.9	34.0	32.8	-	31.0	28.4	27.3	26.2	-
399	Signs and advertising displays	143.7	142.9	145.7	144.2	-	107.0	106.8	110.2	109.6	-
3993	.....	48.3	48.3	49.9	50.1	-	34.7	34.9	36.2	36.8	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	1,717.2	1,678.0	1,725.0	1,699.2	1,645.8	1,171.3	1,137.1	1,187.7	1,163.3	1,117.0
201	Meat packing plants	361.7	356.2	370.1	368.6	-	299.9	294.2	308.5	307.0	-
2011	Sausages and other prepared meats	170.4	169.5	166.5	166.9	-	138.1	137.3	135.6	135.7	-
2013	Poultry dressing plants	71.4	65.8	70.6	70.1	-	52.7	51.4	51.9	51.4	-
2016	Dairy products	106.3	103.1	118.3	116.9	-	97.1	93.5	108.2	107.2	-
202	Cheese, natural and processed	182.2	180.6	181.1	180.5	-	95.7	94.7	96.4	95.8	-
2022	Fluid milk	32.2	31.2	32.6	32.1	-	25.0	24.3	25.3	24.7	-
2026	Preserved fruits and vegetables	116.9	116.4	115.4	115.1	-	50.3	50.0	50.7	50.2	-
203	Canned specialties	231.4	214.5	231.9	213.1	-	185.8	169.9	189.7	172.4	-
2032	Canned fruits and vegetables	27.5	26.7	25.7	26.3	-	19.1	18.3	18.0	18.9	-
2033	Frozen fruits and vegetables	73.8	66.2	82.2	69.2	-	58.3	51.6	66.5	56.0	-
2037	Grain mill products	52.6	47.6	51.3	46.6	-	45.6	40.4	44.5	40.1	-
204	Flour and other grain mill products	146.3	145.3	144.9	145.3	-	99.9	99.5	99.0	99.6	-
2041	Prepared feeds, nec	26.2	26.0	26.6	26.7	-	16.7	16.5	16.7	16.6	-
2048	Bakery products	59.6	59.5	59.5	59.9	-	38.0	38.3	38.4	38.9	-
205	Bread, cake, and related products	234.8	233.7	235.7	234.5	-	136.3	136.2	138.5	136.8	-
2051	Cookies and crackers	191.7	190.0	191.7	190.8	-	102.7	101.9	104.1	102.9	-
2052	Sugar and confectionery products	43.1	43.7	44.0	43.7	-	33.6	34.3	34.4	33.9	-
206	Cane and beet sugar	121.2	114.9	118.3	118.0	-	94.7	88.7	92.0	91.6	-
2061-3	Confectionery products	39.1	36.0	32.9	31.9	-	29.5	26.8	24.6	24.0	-
2065	Fats and oils	61.6	58.7	64.6	65.3	-	50.4	47.4	52.5	52.8	-
207	Beverages	42.0	41.3	40.9	40.8	-	30.5	30.2	30.2	30.0	-
208	Malt beverages	228.5	224.5	231.3	229.9	-	106.8	104.4	105.8	105.1	-
2082	Bottled and canned soft drinks	49.7	48.7	49.9	49.9	-	33.5	32.6	33.5	33.5	-
2086	Misc. foods and kindred products	134.8	133.1	137.6	136.7	-	46.9	46.2	47.1	46.6	-
209	.....	169.1	167.0	170.8	168.5	-	121.7	119.3	127.6	125.0	-
TOBACCO MANUFACTURES											
21	Cigarettes	73.9	69.8	64.8	66.5	65.0	60.1	56.1	50.9	52.4	51.2
211	.....	44.7	44.7	43.4	43.4	-	35.1	35.0	33.4	33.4	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	899.9	896.3	893.9	893.7	887.8	784.5	780.9	779.8	780.2	775.0
221	Weaving mills, synthetics	149.9	150.4	152.5	153.4	-	135.4	135.6	137.3	138.3	-
222	Weaving and finishing mills, wool	125.9	126.2	124.9	124.9	-	112.8	113.1	112.4	112.3	-
223	Narrow fabric mills	21.3	21.4	20.9	20.8	-	17.8	17.9	17.3	17.2	-
224	Knitting mills	26.0	26.0	25.6	25.3	-	22.8	22.8	22.3	22.1	-
225	Women's hosiery, except socks	232.4	229.6	231.9	231.4	-	200.4	197.8	201.5	201.3	-
2251	Hosiery, nec	30.1	29.9	30.6	30.5	-	26.9	26.6	27.6	27.8	-
2252	Knit outerwear mills	34.4	34.4	34.7	34.6	-	31.4	31.4	31.6	31.5	-
2253	Knit underwear mills	75.5	73.1	76.6	76.1	-	64.0	62.0	65.7	65.2	-
2254	.....	33.6	33.9	33.2	33.2	-	28.9	29.3	28.9	28.9	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979P	Jan. 1980P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979P	Jan. 1980P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	33.8	33.5	32.4	32.7	-	28.1	27.6	27.3	27.6	-
226	Textile finishing, except wool	79.0	79.3	77.4	77.8	-	67.0	67.1	65.2	65.8	-
2261	Finishing plants, cotton	33.5	33.6	32.7	32.6	-	28.1	28.1	27.3	27.4	-
2262	Finishing plants, synthetics	29.3	29.3	28.4	29.0	-	25.0	25.2	23.9	24.5	-
227	Floor covering mills	62.5	62.1	60.6	59.8	-	51.0	50.5	49.3	48.6	-
228	Yarn and thread mills	132.7	131.3	132.8	133.1	-	120.8	119.5	120.6	120.7	-
2281	Yarn mills, except wool	88.8	88.3	90.1	90.3	-	82.1	81.6	83.6	83.5	-
2282	Throwing and winding mills	22.3	21.9	21.7	21.3	-	19.8	19.5	19.0	18.6	-
229	Miscellaneous textile goods	70.2	70.0	67.3	67.2	-	56.5	56.6	53.9	53.9	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,327.4	1,313.6	1,306.2	1,293.7	1,276.9	1,136.7	1,125.2	1,115.6	1,103.7	1,087.7
231	Men's and boys' suits and coats	90.3	88.2	83.7	83.4	-	79.0	76.9	72.3	72.3	-
232	Men's and boys' furnishings	361.8	357.7	369.2	367.7	-	311.2	307.5	317.3	315.8	-
2321	Men's and boys' shirts and nightwear	106.2	105.1	105.9	104.7	-	92.1	91.3	92.3	91.0	-
2327	Men's and boys' separate trousers	79.0	78.0	79.8	79.8	-	69.0	67.8	69.2	69.2	-
2328	Men's and boys' work clothing	96.6	95.5	104.1	104.8	-	81.5	80.6	87.8	88.7	-
233	Women's and misses' outerwear	443.2	445.0	432.4	425.1	-	380.5	383.3	370.2	362.7	-
2331	Women's and misses' blouses and waists	62.1	62.2	59.5	57.5	-	54.5	54.7	51.3	49.6	-
2335	Women's and misses' dresses	170.4	171.5	167.0	166.0	-	148.5	150.1	146.3	145.1	-
2337	Women's and misses' suits and coats	62.3	62.9	61.1	57.8	-	53.2	53.9	52.9	49.4	-
2339	Women's and misses' outerwear, nec.	148.4	148.4	144.8	143.8	-	124.3	124.6	119.7	118.6	-
234	Women's and children's undergarments	90.8	89.1	90.6	88.8	-	77.3	75.7	77.0	75.5	-
2341	Women's and children's underwear	71.2	69.9	71.7	69.7	-	61.7	60.4	62.0	60.4	-
2342	Brassieres and allied garments	19.6	19.2	18.9	19.1	-	15.6	15.3	15.0	15.1	-
236	Children's outerwear	67.8	66.6	65.1	64.8	-	57.8	57.3	56.1	55.8	-
2361	Children's dresses and blouses	26.3	25.8	24.8	24.4	-	23.4	23.1	22.4	22.0	-
238	Misc. apparel and accessories	58.2	55.7	55.8	54.6	-	49.9	47.8	47.9	46.9	-
239	Misc. fabricated textile products	195.6	191.8	190.0	190.3	-	163.9	159.8	158.2	158.2	-
2391	Curtains and draperies	30.8	30.2	31.6	31.6	-	27.0	26.3	27.4	27.3	-
2392	House furnishings, nec.	51.9	51.1	54.4	53.7	-	43.6	42.7	45.9	45.2	-
2396	Automotive and apparel trimmings	39.5	38.2	33.5	35.4	-	33.2	31.9	27.3	29.2	-
26	PAPER AND ALLIED PRODUCTS	704.1	700.0	715.9	715.1	712.7	530.4	527.1	543.8	543.6	541.1
261, 2,6	Paper and pulp mills	194.0	192.4	201.0	201.0	-	144.2	142.6	151.2	151.2	-
262	Paper mills, except building paper	165.1	164.1	171.0	170.9	-	121.5	120.5	127.1	127.1	-
263	Paperboard mills	69.5	69.1	70.9	72.4	-	54.9	54.8	55.7	56.2	-
264	Misc. converted paper products	221.8	221.8	226.5	224.8	-	161.5	161.8	168.3	168.1	-
2641	Paper coating and glazing	57.8	57.8	61.0	60.5	-	34.9	35.3	39.7	40.0	-
2642	Envelopes	24.6	24.6	25.1	25.1	-	19.3	19.2	20.0	20.0	-
2643	Bags, except textile bags	51.7	51.9	53.0	53.5	-	40.4	40.5	41.6	42.2	-
265	Paperboard containers and boxes	218.8	216.7	217.5	216.9	-	165.8	167.9	166.6	168.1	-
2651	Folding paperboard boxes	47.2	46.8	46.6	46.6	-	37.8	37.3	37.0	37.1	-
2653	Corrugated and solid fiber boxes	108.9	108.5	109.1	108.6	-	81.1	80.8	81.0	80.6	-
2654	Sanitary food containers	28.4	28.2	28.0	28.1	-	23.4	23.4	23.3	23.3	-
27	PRINTING AND PUBLISHING	1,226.4	1,221.0	1,265.6	1,272.8	1,266.9	692.4	686.9	717.1	722.2	719.2
271	Newspapers	415.7	413.3	428.4	429.7	-	166.7	165.0	172.3	173.1	-
272	Periodicals	81.7	82.5	83.9	84.2	-	14.1	14.2	13.9	13.8	-
273	Books	101.8	102.0	103.2	106.0	-	51.1	51.9	52.3	54.7	-
2731	Book publishing	72.1	72.9	73.7	75.4	-	25.9	27.2	27.5	28.8	-
2732	Book printing	29.7	29.1	29.5	30.6	-	25.2	24.7	24.8	25.9	-
274	Miscellaneous publishing	48.3	48.0	49.2	50.0	-	30.4	29.9	30.4	30.4	-
275	Commercial printing	407.0	403.8	420.8	422.7	-	302.2	298.6	314.0	315.6	-
2751	Commercial printing, letterpress	174.7	172.4	175.3	175.4	-	129.9	127.1	130.5	130.6	-
2752	Commercial printing, lithographic	210.1	209.2	222.4	224.4	-	153.8	153.0	164.3	165.9	-
276	Manifold business forms	46.6	47.0	49.8	50.3	-	33.4	33.5	35.2	35.8	-
278	Blankbooks and bookbinding	62.4	62.2	66.5	65.9	-	51.4	51.2	55.4	54.8	-
279	Printing trade services	40.6	40.3	41.0	41.2	-	29.5	29.5	30.3	30.5	-
28	CHEMICALS AND ALLIED PRODUCTS	1,103.0	1,100.0	1,115.2	1,115.7	1,114.3	631.8	631.0	636.5	640.0	642.1
281	Industrial inorganic chemicals	168.6	169.1	172.8	173.0	-	93.8	93.7	92.1	92.9	-
2819	Industrial inorganic chemicals, nec.	109.5	109.9	111.3	111.5	-	60.0	60.5	59.0	59.2	-
282	Plastics materials and synthetics	216.5	216.3	216.9	217.1	-	147.8	148.1	147.6	148.8	-
2821	Plastics materials and resins	83.8	83.8	84.4	84.3	-	51.8	51.8	51.1	51.5	-
2824	Organic fibers, noncellulosic	97.1	96.8	95.6	96.0	-	69.6	69.7	68.7	69.4	-
283	Drugs	188.8	188.0	192.8	193.4	-	90.7	91.9	95.5	96.7	-
2834	Pharmaceutical preparations	151.4	150.6	154.3	155.0	-	70.0	70.9	73.9	75.2	-
284	Soap, cleaners, and toilet goods	138.2	136.5	138.3	138.3	-	84.4	82.6	84.5	85.0	-
2841	Soap and other detergents	41.9	41.8	40.7	40.9	-	27.2	27.1	26.5	26.9	-
2844	Toilet preparations	55.6	54.1	56.9	56.6	-	34.3	32.9	35.6	35.6	-
2842, 3	Polishing, sanitation, and finishing preparations	40.7	40.6	40.7	40.8	-	22.9	22.6	22.4	22.5	-
285	Paints and allied products	68.8	68.2	68.6	68.3	-	35.7	35.2	34.8	34.7	-
286	Industrial organic chemicals	165.1	164.8	165.5	165.4	-	85.8	85.5	86.9	86.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates.....	37.1	37.0	37.6	37.7	-	23.4	23.3	23.5	23.5	-
2861,9	Gum, wood, and industrial organic chemicals, nec.....	128.0	127.8	127.9	127.7	-	62.4	62.2	63.4	63.2	-
287	Agricultural chemicals.....	66.6	66.7	69.5	69.8	-	42.3	42.9	43.9	44.1	-
289	Miscellaneous chemical products.....	90.4	90.4	90.8	90.4	-	51.3	51.1	51.2	51.1	-
29	PETROLEUM AND COAL PRODUCTS	209.0	205.8	217.2	215.1	211.8	136.1	133.6	141.3	139.6	138.5
291	Petroleum refining.....	165.1	163.8	172.2	172.1	-	104.4	103.3	107.8	107.9	-
295	Paving and roofing materials.....	32.7	30.9	33.5	31.5	-	24.9	23.6	26.2	24.4	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	773.5	771.0	757.6	746.9	743.4	608.6	605.7	592.3	583.0	581.7
301	Tires and inner tubes.....	129.0	128.4	116.0	114.6	-	94.0	93.3	83.0	83.2	-
302	Rubber and plastics footwear.....	25.1	24.8	22.3	22.3	-	22.0	21.7	15.5	19.6	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting.....	23.7	23.5	23.2	22.4	-	17.9	17.7	16.9	16.2	-
308	Fabricated rubber products, nec.....	116.9	116.8	111.9	109.7	-	92.3	92.5	87.7	85.7	-
307	Miscellaneous plastics products.....	478.8	477.5	484.2	477.9	-	382.4	380.5	385.2	378.3	-
31	LEATHER AND LEATHER PRODUCTS	251.5	246.3	243.2	241.0	234.7	214.0	210.2	206.0	202.6	197.8
311	Leather tanning and finishing.....	21.6	21.2	19.6	19.2	-	18.2	17.8	16.4	16.1	-
314	Footwear, except rubber.....	154.9	152.1	147.7	148.1	-	133.8	131.8	125.8	125.2	-
3143	Men's footwear, except athletic.....	62.6	61.3	56.8	57.0	-	54.7	53.8	48.9	49.1	-
3144	Women's footwear, except athletic.....	62.6	62.0	61.2	62.9	-	53.7	53.5	51.6	52.5	-
316	Luggage.....	17.4	16.7	17.3	16.7	-	13.3	12.9	13.5	12.8	-
317	Handbags and personal leather goods.....	31.7	31.1	34.1	32.5	-	26.5	26.2	29.4	27.6	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,084	5,010	5,255	5,237	5,173	4,260	4,193	4,402	4,388	4,316
40	RAILROAD TRANSPORTATION	544.1	529.1	551.9	534.9	-	-	-	-	-	-
4011	Class I railroads ²	501.8	486.0	507.3	491.4	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	268.1	267.6	273.2	273.6	-	247.7	246.7	252.1	252.6	-
411	Local and suburban transportation.....	70.1	71.1	75.0	74.9	-	64.9	65.8	68.9	68.8	-
412	Taxicabs.....	65.9	66.1	64.5	64.5	-	-	-	-	-	-
413	Intercity highway transportation.....	36.0	35.3	37.5	38.1	-	33.1	32.4	34.5	35.1	-
415	School buses.....	82.9	82.1	81.8	82.2	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,385.3	1,317.3	1,407.0	1,409.3	-	1,228.3	1,163.5	1,242.4	1,245.5	-
421,3	Trucking and trucking terminals.....	1,292.6	1,227.5	1,306.6	1,310.0	-	1,147.9	1,086.2	1,154.9	1,159.3	-
422	Public warehousing.....	92.7	89.8	100.4	99.3	-	80.4	77.3	87.5	86.2	-
44	WATER TRANSPORTATION	217.0	223.2	228.0	227.1	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	418.5	417.7	434.1	433.9	-	-	-	-	-	-
451,2	Air transportation.....	375.3	374.3	387.2	386.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	19.5	19.4	19.1	19.1	-	13.9	13.9	13.6	13.7	-
47	TRANSPORTATION SERVICES	175.0	175.7	192.7	190.8	-	-	-	-	-	-
48	COMMUNICATION	1,269.9	1,272.8	1,333.0	1,330.8	-	956.7	960.7	1,002.6	1,001.7	-
481	Telephone communication.....	1,015.1	1,017.7	1,061.8	1,058.6	-	751.0	752.2	779.0	777.1	-
483	Radio and television broadcasting.....	185.8	186.2	198.4	199.3	-	147.4	148.0	159.6	160.8	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	786.2	787.1	816.4	817.5	-	641.8	642.6	665.0	665.9	-
491	Electric services.....	361.3	361.7	378.6	379.6	-	291.7	291.9	305.6	306.7	-
492	Gas production and distribution.....	165.0	165.1	168.4	168.8	-	134.7	134.7	137.2	137.8	-
493	Combination utility services.....	192.4	192.2	196.7	196.6	-	157.1	157.1	159.3	159.3	-
495	Sanitary services.....	43.9	44.5	47.6	47.6	-	38.9	39.5	42.0	41.6	-
-	WHOLESALE AND RETAIL TRADE	20,523	19,765	20,580	20,923	20,175	18,138	17,383	18,109	18,451	17,694
50,51	WHOLESALE TRADE	5,092	5,066	5,251	5,238	5,207	4,187	4,160	4,312	4,305	4,271
50	WHOLESALE TRADE - DURABLE GOODS	2,970	2,964	3,094	3,066	-	2,435	2,427	2,539	2,537	-
501	Motor vehicles and automotive equipment.....	431.1	430.3	435.0	435.3	-	352.7	351.3	354.5	354.3	-
502	Furniture and home furnishing.....	104.8	103.7	108.0	107.9	-	85.4	84.3	88.4	88.3	-
503	Lumber and construction materials.....	183.0	180.1	188.7	186.8	-	152.7	149.1	157.1	155.7	-
504	Sporting goods, toys, and hobby goods.....	65.7	64.6	66.7	66.6	-	54.5	53.2	55.1	55.0	-
506	Metals and minerals, except petroleum.....	147.1	147.1	155.9	156.2	-	119.5	119.5	126.8	127.0	-
506	Electrical goods.....	400.9	401.2	423.2	424.8	-	330.5	329.9	345.5	347.7	-
507	Hardware, plumbing, and heating equipment.....	237.7	236.9	244.8	245.0	-	197.0	196.1	202.6	203.8	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,195.5	1,199.4	1,258.6	1,250.8	-	970.2	973.9	1,028.6	1,025.5	-
509	Miscellaneous durable goods	203.8	201.1	212.8	212.1	-	172.2	169.3	180.0	180.0	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,122	2,102	2,157	2,152	-	1,752	1,733	1,773	1,768	-
511	Paper and paper products	137.7	136.9	141.3	141.5	-	111.7	110.9	114.5	114.8	-
512	Drugs, proprietaries, and sundries	142.3	141.0	145.6	145.7	-	122.3	121.2	123.7	123.8	-
513	Apparel, piece goods, and notions	165.5	164.7	173.1	172.4	-	130.9	130.3	137.9	137.2	-
514	Groceries and related products	648.2	641.9	644.3	645.7	-	560.2	554.5	555.1	555.4	-
516	Chemicals and allied products	115.7	115.2	117.7	117.0	-	82.7	82.6	86.2	86.1	-
517	Petroleum and petroleum products	226.8	228.8	223.6	225.0	-	170.8	172.0	162.8	164.7	-
518	Beer, wine, and distilled beverages	135.8	133.2	142.1	142.8	-	115.8	113.0	120.8	121.2	-
519	Miscellaneous nondurable goods	392.4	385.8	411.9	408.6	-	325.0	322.3	340.3	336.8	-
52-59	RETAIL TRADE	15,431	14,699	15,329	15,685	14,968	13,951	13,223	13,797	14,146	13,423
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	621.9	597.4	633.8	634.8	-	532.1	508.8	541.3	541.5	-
521	Lumber and other building materials	328.0	320.0	336.9	334.6	-	282.0	274.2	288.2	285.8	-
525	Hardware stores	149.2	142.9	151.1	152.9	-	128.6	123.4	131.5	133.1	-
53	GENERAL MERCHANDISE STORES	2,644.5	2,377.1	2,406.2	2,554.7	-	2,487.7	2,223.5	2,250.0	2,394.5	-
531	Department stores	2,162.8	1,943.2	1,953.8	2,076.0	-	2,046.1	1,829.1	1,839.3	1,957.4	-
533	Variety stores	322.4	290.5	294.1	308.7	-	302.1	270.6	273.5	287.8	-
539	Misc. general merchandise stores	159.3	143.4	158.3	170.0	-	139.5	123.8	137.2	149.3	-
54	FOOD STORES	2,290.3	2,252.3	2,345.0	2,375.9	-	2,113.9	2,076.9	2,166.1	2,194.9	-
541	Grocery stores	1,995.8	1,974.3	2,058.3	2,076.2	-	1,843.4	1,823.4	1,902.9	1,919.2	-
542	Meat markets and freezer provisioners	53.5	52.2	52.4	53.6	-	-	-	-	-	-
546	Retail bakeries	128.5	124.3	127.9	129.0	-	118.3	114.7	117.8	119.2	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,884.6	1,872.8	1,791.4	1,790.0	-	1,617.5	1,605.5	1,521.8	1,520.2	-
551.2	New and used car dealers	904.0	905.9	872.5	867.5	-	753.8	755.1	721.6	717.1	-
553	Auto and home supply stores	267.1	257.3	259.7	263.4	-	232.9	225.0	226.7	229.8	-
554	Gasoline service stations	631.9	629.1	572.1	572.5	-	561.4	557.1	499.5	499.6	-
56	APPAREL AND ACCESSORY STORES	1,042.2	933.9	982.1	1,062.0	-	916.6	809.1	849.5	928.1	-
561	Men's and boys' clothing and furnishings	164.3	145.4	146.9	165.8	-	143.4	124.4	125.2	143.5	-
562	Women's ready-to-wear stores	394.1	353.1	376.0	399.2	-	348.3	308.2	325.1	351.5	-
565	Family clothing stores	202.2	173.8	188.6	217.0	-	182.0	153.5	166.1	194.4	-
566	Shoe stores	186.6	172.8	179.5	185.1	-	158.4	144.7	149.4	155.0	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	626.4	613.0	621.3	628.5	-	524.1	508.5	514.8	522.1	-
571	Furniture and home furnishings	373.8	365.6	369.9	374.2	-	316.1	306.5	305.4	313.5	-
572	Household appliance stores	90.9	89.7	90.8	91.0	-	77.9	76.5	77.8	78.3	-
573	Radio, television, and music stores	161.7	157.7	160.6	163.3	-	130.1	125.5	127.6	130.3	-
58	EATING AND DRINKING PLACES	4,319.7	4,181.5	4,579.5	4,581.8	-	3,979.0	3,840.1	4,214.7	4,218.1	-
59	MISCELLANEOUS RETAIL	2,000.9	1,871.2	1,965.8	2,057.6	-	1,779.9	1,650.7	1,738.8	1,826.3	-
591	Drug stores and proprietary stores	517.9	506.4	518.3	541.9	-	473.9	462.3	473.1	497.1	-
592	Liquor stores	135.7	127.1	141.2	148.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	635.9	558.1	616.7	662.7	-	553.7	476.3	531.1	576.0	-
596	Nonstore retailers	303.8	279.6	286.5	285.6	-	288.4	264.0	271.0	270.1	-
598	Fuel and ice dealers	108.1	109.9	105.1	106.9	-	92.6	94.5	88.7	90.5	-
599	Retail stores, nec.	246.3	236.4	247.0	255.5	-	211.1	199.5	207.5	216.7	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	4,832	4,829	5,029	5,039	5,030	3,679	3,668	3,806	3,810	3,795
60	BANKING	1,454.8	1,459.1	1,508.2	1,513.3	-	1,133.9	1,133.2	1,166.1	1,169.8	-
602	Commercial and stock savings banks	1,328.1	1,331.8	1,376.4	1,380.8	-	1,030.9	1,029.9	1,058.6	1,061.9	-
61	CREDIT AGENCIES OTHER THAN BANKS	532.7	532.1	561.3	562.2	-	411.3	408.9	430.3	431.0	-
612	Savings and loan associations	227.1	228.8	244.9	245.8	-	178.2	178.1	189.4	189.8	-
614	Personal credit institutions	205.9	203.8	215.0	215.2	-	156.9	155.2	164.2	164.9	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	196.7	198.1	211.6	212.6	-	-	-	-	-	-
621	Security brokers and dealers	158.4	159.5	169.0	169.6	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,193.6	1,194.0	1,220.4	1,225.2	-	833.4	833.2	849.9	850.4	-
631	Life insurance	519.5	518.3	521.4	523.4	-	310.4	309.7	310.3	310.5	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 _p	Jan. 1980 _p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 _p	Jan. 1980 _p
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	137.6	137.4	138.2	139.3	-	111.1	110.6	110.7	111.8	-
633	Fire, marine, and casualty insurance	462.9	464.7	484.8	487.0	-	351.2	352.5	367.8	367.6	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	419.6	422.2	438.4	439.6	-	-	-	-	-	-
65	REAL ESTATE	903.3	892.4	949.4	946.9	-	-	-	-	-	-
651	Real estate operators and lessors	425.8	421.4	443.2	445.9	-	-	-	-	-	-
653	Real estate agents and managers	331.5	328.3	350.5	349.2	-	-	-	-	-	-
655	Subdividers and developers	122.1	118.9	131.0	127.5	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	26.7	26.8	26.9	26.9	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES	104.6	104.1	112.3	112.0	-	-	-	-	-	-
-	SERVICES	16,547	16,353	17,281	17,273	17,083	14,695	14,489	15,359	15,345	15,145
70	HOTELS AND OTHER LODGING PLACES	933.1	918.6	1,009.5	985.6	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	899.0	885.0	972.1	946.3	-	827.8	814.7	892.7	868.4	-
72	PERSONAL SERVICES	912.9	903.2	895.0	892.2	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	358.7	356.3	353.9	351.0	-	319.3	316.5	315.6	313.2	-
723	Beauty shops	283.0	279.5	274.8	276.0	-	260.4	257.4	253.4	255.3	-
726	Funeral service and crematories	70.0	71.1	72.1	72.3	-	-	-	-	-	-
73	BUSINESS SERVICES	2,741.3	2,701.8	2,927.7	2,931.3	-	2,386.8	2,343.8	2,553.1	2,556.6	-
731	Advertising	144.6	136.9	150.7	151.1	-	107.0	100.6	112.6	113.2	-
732	Credit reporting and collection	77.5	75.9	74.6	73.9	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	106.5	104.0	109.5	109.2	-	-	-	-	-	-
734	Services to buildings	452.7	456.4	500.0	499.6	-	407.1	408.2	452.8	452.4	-
736	Personnel supply services	482.0	457.2	504.4	514.5	-	-	-	-	-	-
737	Computer and data processing services	239.5	242.7	271.6	273.5	-	196.6	199.5	224.8	226.2	-
75	AUTO REPAIR, SERVICES, AND GARAGES	566.4	558.0	571.9	574.2	-	487.9	478.9	489.8	492.0	-
753	Automotive repair shops	351.7	350.4	357.1	357.3	-	301.1	299.3	303.7	304.1	-
76	MISCELLANEOUS REPAIR SERVICES	267.7	266.1	288.7	290.3	-	229.3	227.9	248.7	249.7	-
78	MOTION PICTURES	206.6	205.8	212.6	215.1	-	182.7	181.9	185.3	191.6	-
781	Motion picture production and services	78.1	76.7	85.0	87.3	-	67.6	68.0	74.3	75.9	-
783	Motion picture theaters	117.4	115.8	117.0	117.1	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	667.6	633.1	652.8	661.9	-	601.1	565.4	588.1	595.8	-
80	HEALTH SERVICES	4,906.9	4,915.6	5,128.3	5,148.2	-	4,374.1	4,381.0	4,570.7	4,587.6	-
801	Offices of physicians	694.9	694.4	726.4	729.2	-	571.6	570.3	594.3	595.1	-
802	Offices of dentists	307.3	307.2	321.4	324.9	-	268.4	267.9	278.2	280.8	-
805	Nursing and personal care facilities	942.8	948.2	1,000.3	1,006.2	-	849.5	854.2	902.1	907.5	-
806	Hospitals	2,589.2	2,595.1	2,687.4	2,692.5	-	2,365.4	2,370.1	2,457.2	2,463.0	-
81	LEGAL SERVICES	444.2	445.2	473.5	473.3	-	382.5	383.1	406.3	405.3	-
82	EDUCATIONAL SERVICES	1,107.3	1,044.6	1,146.3	1,131.0	-	-	-	-	-	-
821	Elementary and secondary schools	234.0	232.8	250.0	244.5	-	-	-	-	-	-
822	Colleges and universities	758.9	698.5	777.1	767.1	-	-	-	-	-	-
83	SOCIAL SERVICES	1,007.9	1,001.4	1,034.1	1,035.2	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,539.4	1,527.0	1,607.5	1,614.9	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	897.3	903.7	965.2	966.3	-	741.0	746.5	803.3	804.0	-
891	Engineering and architectural services	486.3	482.5	530.0	528.2	-	409.6	406.2	450.1	447.9	-
893	Accounting, auditing, and bookkeeping	283.5	292.2	297.9	299.3	-	227.1	234.8	239.5	241.1	-
-	GOVERNMENT	15,687	15,500	15,928	15,930	15,756	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,733	2,730	2,760	2,770	2,754	-	-	-	-	-
-	Executive	2,681.2	2,677.5	2,707.0	2,717.2	-	-	-	-	-	-
-	Department of Defense	902.0	896.0	888.0	889.0	-	-	-	-	-	-
-	Postal Service	651.4	653.0	673.0	673.5	-	-	-	-	-	-
-	Other executive agencies	1,127.8	1,128.5	1,146.0	1,154.7	-	-	-	-	-	-
-	Manufacturing activities	122.4	123.0	121.3	121.6	-	-	-	-	-	-
-	Shipbuilding	71.6	71.7	71.5	71.7	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 P
	Executive—Continued										
	Transportation and public utilities, except										
	Postal Service	48.2	49.0	52.3	52.3	-	-	-	-	-	-
	Services	382.2	379.1	380.2	381.9	-	-	-	-	-	-
	Hospitals	224.3	223.4	224.3	226.7	-	-	-	-	-	-
	Legislative	38.7	39.0	40.0	39.5	-	-	-	-	-	-
	Judicial	12.9	13.0	13.0	13.3	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	12,954	12,770	13,168	13,160	13,002	-	-	-	-	-
	State government	3,482.5	3,388.4	3,578.1	3,555.5	-	-	-	-	-	-
	Hospitals	559.6	562.2	563.9	564.0	-	-	-	-	-	-
	State education	1,455.6	1,351.5	1,511.0	1,490.4	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions	892.0	896.6	910.6	908.4	-	-	-	-	-	-
	Local government	9,471.3	9,381.3	9,590.0	9,604.8	-	-	-	-	-	-
	Transportation and public utilities	575.7	576.2	595.3	595.8	-	-	-	-	-	-
	Hospitals	517.6	519.9	533.4	535.1	-	-	-	-	-	-
	Local education	5,330.2	5,254.2	5,383.4	5,393.1	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions	2,711.4	2,694.1	2,729.4	2,734.9	-	-	-	-	-	-

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.

* Not available.
p = preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
-	TOTAL	36,040	36,448	37,105	37,629	38,026
-	PRIVATE SECTOR	28,773	29,073	29,987	30,143	30,350
-	MINING	81	82	94	94	95
10	METAL MINING	7.0	7.2	8.4	8.4	8.4
11, 12	COAL MINING	8.5	8.7	9.3	9.7	9.7
13	OIL AND GAS EXTRACTION	56.9	57.7	66.2	66.7	67.9
131, 2	Crude petroleum, natural gas, and natural gas liquids	36.6	37.1	42.6	43.2	43.6
138	Oil and gas field services	20.3	20.6	23.6	23.5	24.3
14	NONMETALLIC MINERALS, EXCEPT FUELS	8.2	8.3	9.6	9.6	9.4
142	Crushed and broken stone	2.5	2.5	2.7	2.8	2.7
144	Sand and gravel	2.6	2.6	3.3	3.2	3.2
-	CONSTRUCTION	345	344	388	388	390
15	GENERAL BUILDING CONTRACTORS	125.7	124.6	140.1	139.5	140.9
152	Residential building construction	75.8	74.1	84.2	83.5	84.2
153	Operative builders	16.7	16.8	17.7	17.5	17.9
154	Nonresidential building construction	33.2	33.7	38.2	38.5	38.8
16	HEAVY CONSTRUCTION CONTRACTORS	53.1	51.2	59.1	58.6	56.5
161	Highway and street construction	15.3	14.1	20.5	19.8	17.9
162	Heavy construction, except highway	37.8	37.1	38.6	38.8	38.6
17	SPECIAL TRADE CONTRACTORS	166.5	168.0	188.8	190.0	192.3
171	Plumbing, heating, air conditioning	45.3	45.5	49.1	49.3	50.9
172	Painting, paper hanging, decorating	10.5	10.6	12.5	12.4	12.8
173	Electrical work	29.9	29.6	32.4	32.8	33.1
174	Masonry, stonework, and plastering	19.1	19.4	22.9	22.7	22.7
175	Carpentering and flooring	13.3	14.1	16.2	16.4	16.8
176	Roofing and sheet metal work	11.6	11.6	13.4	13.8	13.7
-	MANUFACTURING	6,421	6,437	6,568	6,576	6,545
24, 25, 32-39	DURABLE GOODS	3,001	3,025	3,122	3,137	3,133
20-23, 26-31	NONDURABLE GOODS	3,420	3,412	3,446	3,439	3,412
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	110.5	111.0	116.7	117.2	113.5
241	Logging camps and logging contractors	5.0	4.7	5.3	5.5	5.2
242	Sawmills and planing mills	21.8	21.7	23.2	23.0	22.2
2421	Sawmills and planing mills, general	14.9	14.8	16.1	15.9	15.2
243	Millwork, plywood, and structural members	45.0	45.6	47.6	47.7	46.1
244	Wooden containers	7.2	7.1	7.2	7.3	7.1
245	Wood buildings and mobile homes	10.9	10.7	11.3	11.3	10.9
249	Miscellaneous wood products	20.6	21.2	22.1	22.4	22.0
25	FURNITURE AND FIXTURES	146.4	148.1	144.4	144.9	145.7
251	Household furniture	109.9	111.3	106.8	107.4	108.1
2511	Wood household furniture	45.0	45.4	45.2	45.5	45.6
2512	Upholstered household furniture	37.5	37.9	35.9	36.4	36.3
2515	Mattresses and bedspreads	8.9	8.6	8.9	8.9	8.8
252	Office furniture	11.0	11.1	11.5	11.4	11.4
253	Public building and related furniture	5.1	5.2	5.4	5.3	5.3
254	Partitions and fixtures	10.2	10.3	10.7	10.9	11.0
259	Miscellaneous furniture and fixtures	10.2	10.2	10.0	9.9	9.9
32	STONE, CLAY, AND GLASS PRODUCTS	131.8	132.2	136.1	136.0	135.7
322	Glass and glassware, pressed or blown	45.8	45.5	44.4	44.3	44.4
3221	Glass containers	26.3	25.9	24.6	24.5	24.4
3229	Pressed and blown glass, nec	19.5	19.6	19.8	19.8	20.0
323	Products of purchased glass	12.6	12.6	14.5	14.6	14.8
324	Cement, hydraulic	1.7	1.6	1.8	1.8	1.8
325	Structural clay products	6.3	6.5	6.8	6.8	6.7
326	Pottery and related products	17.0	17.3	16.6	17.0	17.0
327	Concrete, gypsum, and plaster products	14.6	14.7	16.0	15.8	15.8
329	Misc. nonmetallic mineral products	30.9	31.2	32.9	32.7	32.4
33	PRIMARY METAL INDUSTRIES	126.2	127.3	133.9	133.8	133.0
331	Blast furnace and basic steel products	39.8	40.2	44.7	43.1	42.5
3312	Blast furnaces and steel mills	30.8	31.0	35.1	33.4	32.7
332	Iron and steel foundries	20.0	20.5	20.4	20.1	19.8

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
PRIMARY METAL INDUSTRIES —Continued						
3321	Gray iron foundries	10.1	10.3	9.7	9.2	8.9
3322	Malleable iron foundries	1.6	1.6	1.4	1.4	1.4
3325	Steel foundries, nec	4.4	4.5	4.8	4.9	4.9
333	Primary nonferrous metals	4.6	4.5	4.9	4.9	4.9
3334	Primary aluminum	1.7	1.7	2.0	2.0	2.0
335	Nonferrous rolling and drawing	41.1	41.2	42.2	43.7	43.8
3351	Copper rolling and drawing	3.7	3.6	3.7	3.7	3.7
3353	Aluminum sheet, plate, and foil	4.4	4.3	4.5	4.4	4.4
3357	Nonferrous wire drawing and insulating	24.2	24.4	24.8	26.2	26.3
338	Nonferrous foundries	15.9	16.2	16.3	16.7	16.6
3361	Aluminum foundries	7.5	7.8	8.1	8.3	8.4
FABRICATED METAL PRODUCTS						
34		353.4	356.2	363.2	366.6	367.3
341	Metal cans and shipping containers	12.8	13.0	13.7	13.7	13.5
3411	Metal cans	11.1	11.3	11.8	11.8	11.6
342	Cutlery, hand tools, and hardware	62.4	63.2	61.1	62.0	63.1
3423, 5	Hand and edge tools, and hand saws and blades	17.1	17.2	17.6	17.8	17.9
3429	Hardware, nec	38.0	38.6	36.4	36.9	37.8
343	Plumbing and heating, except electric	18.6	19.0	19.7	19.8	19.8
344	Fabricated structural metal products	71.4	71.9	75.7	76.7	76.2
3441	Fabricated structural metal	7.2	7.3	8.0	8.1	8.1
3442	Metal doors, sash, and trim	24.1	24.0	24.7	25.1	24.5
3443	Fabricated plate work (boiler shops)	15.3	15.6	17.0	17.1	17.1
3444	Sheet metal work	14.8	14.9	15.8	16.2	16.3
345	Screw machine products, bolts, etc.	24.2	24.7	26.7	27.2	27.5
3451	Screw machine products	12.4	12.7	13.8	14.1	14.2
3452	Bolts, nuts, rivets, and washers	11.8	12.0	12.9	13.1	13.3
346	Metal forgings and stampings	60.6	60.3	58.7	59.1	58.5
3462	Iron and steel forgings	4.4	4.3	4.6	4.6	4.6
3465	Automotive stampings	16.2	16.1	14.1	13.9	13.6
3469	Metal stampings, nec	37.9	37.7	37.9	38.6	38.2
347	Metal services, nec	26.3	26.7	26.6	26.7	26.9
3471	Plating and polishing	18.5	18.8	18.2	18.4	18.5
3479	Metal coating and allied services	7.8	7.9	8.4	8.3	8.4
348	Ordinance and accessories, nec	16.7	16.8	17.1	17.0	17.1
349	Misc. fabricated metal products	60.4	60.6	63.9	64.4	64.7
3494	Valves and pipe fittings	21.4	21.8	23.7	23.6	24.0
3496	Misc. fabricated wire products	13.8	14.0	14.6	14.9	15.1
MACHINERY, EXCEPT ELECTRICAL						
35		443.5	447.8	481.3	481.6	484.3
351	Engines and turbines	23.7	24.6	26.0	25.5	24.4
3511	Turbines and turbine generator sets	5.9	5.8	5.8	5.8	5.9
3519	Internal combustion engines, nec	17.8	18.8	20.2	19.7	18.5
352	Farm and garden machinery	24.4	24.5	26.7	24.2	26.4
3523	Farm machinery and equipment	18.8	18.6	21.1	18.8	20.7
353	Construction and related machinery	41.4	41.9	47.1	45.7	44.1
3531	Construction machinery	13.9	13.9	15.3	13.3	11.1
3533	Oil field machinery	9.7	9.9	11.9	12.2	12.3
354	Metalworking machinery	53.7	54.2	58.8	59.6	60.1
3541	Machine tools, metal cutting types	8.8	9.0	10.2	10.3	10.5
3544	Special dies, tools, jigs, and fixtures	15.0	15.1	15.4	15.5	15.3
3545	Machine tool accessories	12.9	13.3	14.6	14.8	14.9
355	Special industry machinery	30.1	30.4	31.5	31.9	32.0
3551	Food products machinery	6.2	6.2	6.7	6.8	6.8
3552	Textile machinery	5.0	5.0	5.5	5.5	5.5
3555	Printing trades machinery	7.4	7.7	7.3	7.3	7.4
356	General industrial machinery	59.1	59.3	62.7	64.0	64.1
3561	Pumps and pumping equipment	10.8	10.8	11.2	11.1	11.2
3562	Ball and roller bearings	13.4	13.6	13.6	14.6	14.7
357	Office and computing machines	126.4	127.6	141.5	142.6	145.1
3573	Electronic computing equipment	98.6	99.3	114.2	115.4	117.2
358	Refrigeration and service machinery	37.6	37.3	38.2	39.4	39.1
3585	Refrigeration and heating equipment	24.2	24.1	24.9	26.3	26.1
359	Misc. machinery, except electrical	47.1	48.0	48.8	48.7	49.0
3599	Machinery, except electrical, nec	36.3	36.9	37.1	36.9	37.5
ELECTRIC AND ELECTRONIC EQUIPMENT						
36		861.6	868.2	909.4	916.3	917.7
361	Electric distributing equipment	43.5	43.7	45.4	45.3	45.7
3612	Transformers	19.5	19.5	20.5	20.2	20.3
3613	Switchgear and switchboard apparatus	24.0	24.2	24.9	25.1	25.4
362	Electrical industrial apparatus	96.3	97.1	98.1	98.8	98.6
3621	Motors and generators	54.6	55.6	54.6	54.6	54.2
3622	Industrial controls	28.9	28.9	29.1	29.7	29.9
363	Household appliances	63.6	60.6	61.7	62.7	63.0
3632	Household refrigerators and freezers	10.4	9.2	10.5	10.4	10.6
3633	Household laundry equipment	4.8	4.5	5.1	5.0	5.0
3634	Electric housewares and fans	29.9	29.0	27.2	28.0	28.4
364	Electric lighting and wiring equipment	103.9	104.9	106.8	107.1	106.6
3641	Electric lamps	24.3	24.5	24.8	24.6	24.1

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	46.3	46.8	49.0	49.6	50.0
365	Radio and TV receiving equipment	65.3	65.4	62.4	62.5	60.3
3651	Radio and TV receiving sets	48.7	48.8	47.4	47.6	47.9
366	Communication equipment	182.4	185.1	201.5	203.5	205.2
3661	Telephone and telegraph apparatus	73.4	73.7	80.2	80.7	81.0
3662	Radio and TV communication equipment	109.0	111.4	121.3	122.8	124.2
367	Electronic components and accessories	248.8	253.0	275.9	279.0	282.5
3671-3	Electronic tubes	15.9	16.1	17.0	16.9	17.1
3674	Semiconductors and related devices	84.2	85.9	94.0	95.8	97.3
3679	Electronic components, nec.	102.3	103.7	112.9	114.0	115.5
369	Misc. electrical equipment and supplies	57.8	58.4	57.6	57.4	55.8
3694	Engine electrical equipment	28.0	28.4	25.1	24.8	23.3
37	TRANSPORTATION EQUIPMENT	312.6	317.7	319.5	318.5	316.1
371	Motor vehicles and equipment	146.2	148.0	136.0	133.8	130.5
3711	Motor vehicles and car bodies	58.0	58.4	53.2	51.9	50.1
3713	Truck and bus bodies	5.4	5.4	5.7	5.6	5.4
3714	Motor vehicle parts and accessories	80.6	81.9	74.8	73.8	72.6
372	Aircraft and parts	98.3	100.7	115.0	115.8	117.1
3721	Aircraft	57.2	58.6	66.2	66.3	66.7
3724	Aircraft engines and engine parts	21.2	21.8	25.7	26.0	26.6
3728	Aircraft equipment, nec.	19.9	20.3	23.1	23.5	23.8
373	Ship and boat building and repairing	23.5	23.3	23.8	23.5	23.0
3731	Ship building and repairing	14.7	14.6	16.2	15.9	15.8
374	Railroad equipment	5.9	5.9	6.4	6.6	6.7
376	Guided missiles, space vehicles, parts	18.1	18.9	21.1	21.3	21.5
3761	Guided missiles and space vehicles	14.9	15.7	17.4	17.6	17.8
379	Miscellaneous transportation equipment	14.9	15.0	10.1	10.4	10.3
38	INSTRUMENTS AND RELATED PRODUCTS	283.5	287.2	295.1	297.1	297.2
381	Engineering and scientific instruments	20.3	20.9	22.7	23.1	23.3
382	Measuring and controlling devices	93.1	94.2	100.2	100.6	100.1
3822	Environmental controls	23.3	23.2	23.7	23.7	23.5
3823	Process control instruments	16.4	16.5	16.2	16.9	17.1
3825	Instruments to measure electricity	39.1	39.3	43.7	43.3	43.2
383	Optical instruments and lenses	10.0	10.4	11.6	11.8	11.7
384	Medical instruments and supplies	76.2	77.8	77.5	79.0	80.5
3841	Surgical and medical instruments	34.5	35.9	35.4	36.0	37.0
3842	Surgical appliances and supplies	33.3	33.4	34.4	35.0	35.4
385	Ophthalmic goods	25.5	25.5	26.2	26.3	26.4
386	Photographic equipment and supplies	38.1	38.3	38.1	38.3	38.3
387	Watches, clocks, and watchcases	20.3	20.1	18.8	18.0	16.9
39	MISCELLANEOUS MANUFACTURING	231.4	228.8	222.4	225.3	222.7
391	Jewelry, silverware, and plated ware	32.3	32.3	28.8	29.5	30.2
393	Musical instruments	12.1	12.3	10.8	10.8	10.7
394	Toys and sporting goods	72.7	70.1	71.2	72.9	69.9
3942, 4	Toys, games, toys, and children's vehicles	42.8	40.5	40.6	42.0	38.5
3949	Sporting and athletic goods, nec.	29.9	29.6	30.6	30.9	31.4
395	Pens, pencils, office and art supplies	21.4	21.6	23.4	23.4	23.7
396	Costume jewelry and notions	40.1	40.4	35.8	35.6	35.8
399	Miscellaneous manufactures	52.8	52.1	52.4	53.1	52.4
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	527.0	513.9	558.4	535.5	513.5
201	Meat products	110.9	112.3	118.2	119.5	120.5
2011	Meat packing plants	27.3	27.7	28.7	28.8	30.0
2013	Sausages and other prepared meats	21.2	21.5	20.9	21.0	21.3
2016	Poultry dressing plants	55.6	56.3	61.5	62.0	61.8
202	Dairy products	37.2	37.1	38.0	37.8	37.5
2026	Fluid milk	19.1	19.1	19.2	19.2	19.2
203	Preserved fruits and vegetables	123.0	110.7	149.9	119.4	100.4
2032	Canned specialties	9.8	9.0	9.6	9.2	8.8
2033	Canned fruits and vegetables	43.1	35.2	75.6	45.8	33.5
2037	Frozen fruits and vegetables	29.7	29.3	27.8	27.7	25.2
204	Grain mill products	29.1	29.2	29.2	29.1	28.9
205	Bakery products	63.3	63.6	62.1	63.2	62.4
2051	Bread, cake, and related products	42.5	42.9	41.9	41.9	41.9
2052	Cookies and crackers	20.8	20.7	20.2	21.3	20.5
206	Sugar and confectionery products	47.0	45.9	45.0	48.1	48.5
207	Fats and oils	5.2	5.3	5.3	5.4	5.4
208	Beverages	36.1	36.4	38.6	39.3	38.6
2082	Malt beverages	5.7	5.7	6.6	6.5	6.5
2086	Bottled and canned soft drinks	16.6	16.8	17.8	17.9	17.6
209	Misc. foods and kindred products	75.2	73.4	72.1	73.7	71.3
21	TOBACCO MANUFACTURES	29.4	28.6	27.6	27.8	24.0
211	Cigarettes	13.6	13.7	13.8	13.7	13.6

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
22	TEXTILE MILL PRODUCTS	427.8	427.4	424.2	424.5	427.2
221	Weaving mills, cotton	63.5	64.0	65.5	65.7	66.7
222	Weaving mills, synthetics	50.8	51.0	51.4	51.9	52.0
223	Weaving and finishing mills, wool	8.1	8.2	8.3	8.3	8.4
224	Narrow fabric mills	15.3	15.4	15.2	15.2	15.1
225	Knitting mills	155.9	154.0	149.6	149.2	150.4
2251	Women's hosiery, except socks	22.8	23.5	23.5	23.9	24.0
2252	Hosiery, nec	25.6	25.8	24.0	24.1	25.0
2253	Knit outerwear mills	58.1	55.9	54.4	53.9	53.7
2254	Knit underwear mills	25.4	25.6	25.2	25.1	25.4
2257	Circular knit fabric mills	14.0	13.6	12.8	12.7	12.7
226	Textile finishing, except wool	23.2	23.2	23.4	23.6	23.3
2261	Finishing plants, cotton	10.3	10.3	10.1	10.2	10.2
2262	Finishing plants, synthetic	5.8	6.0	6.4	6.4	6.3
227	Floor covering mills	25.4	25.3	25.2	24.9	25.0
228	Yarn and thread mills	64.7	65.3	65.0	65.2	65.6
2281	Yarn mills, except wool	41.3	41.4	41.6	41.7	42.1
2282	Throwing and winding mills	12.7	12.6	12.5	12.5	12.3
229	Miscellaneous textile goods	20.9	21.0	20.6	20.5	20.7
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,095.8	1,093.2	1,060.3	1,068.0	1,060.5
231	Men's and boys' suits and coats	70.4	70.3	64.4	63.7	64.8
232	Men's and boys' furnishings	309.6	310.3	309.8	311.8	311.4
2321	Men's and boys' shirts and nightwear	95.2	94.2	93.5	93.5	92.6
2327	Men's and boys' separate trousers	65.9	65.8	65.4	66.1	66.3
2328	Men's and boys' work clothing	79.7	82.5	84.2	85.6	87.4
233	Women's and misses' outerwear	388.0	385.7	371.1	375.6	370.0
2331	Women's and misses' blouses and waists	54.7	55.1	52.0	52.7	52.1
2335	Women's and misses' dresses	153.1	151.1	146.4	147.2	145.8
2337	Women's and misses' suits and coats	55.4	53.2	54.7	54.9	49.6
2339	Women's and misses' outerwear, nec	124.8	126.3	118.0	120.8	122.5
234	Women's and children's undergarments	81.0	80.3	78.7	78.6	78.9
2341	Women's and children's underwear	64.7	63.9	63.1	63.0	63.1
2342	Brassieres and allied garments	16.3	16.4	15.6	15.6	15.8
236	Children's outerwear	59.6	58.9	56.3	55.3	55.9
2361	Children's dresses and blouses	23.9	24.0	21.9	22.2	21.9
238	Misc. apparel and accessories	47.1	47.1	45.0	44.8	43.4
239	Misc. fabricated textile products	126.9	127.4	121.7	124.9	122.9
2391	Curtains and draperies	25.0	24.8	24.8	25.3	25.4
2392	House furnishings, nec	33.6	32.9	33.4	34.3	34.7
2396	Automotive and apparel trimmings	20.2	20.5	18.8	19.5	17.0
26	PAPER AND ALLIED PRODUCTS	160.7	162.1	165.5	166.1	165.1
261, 2,6	Paper and pulp mills	23.6	24.7	26.5	26.8	27.0
262	Paper mills, except building paper	20.8	21.9	23.6	23.6	23.7
263	Paperboard mills	6.1	6.1	6.4	6.5	6.5
264	Misc. converted paper products	78.2	78.2	79.9	79.6	78.7
265	Paperboard containers and boxes	52.8	53.1	52.7	53.2	52.9
27	PRINTING AND PUBLISHING	463.3	468.5	490.5	495.5	500.2
271	Newspapers	146.6	146.6	154.7	156.9	158.5
272	Periodicals	49.1	49.6	50.6	51.0	51.8
273	Books	52.2	53.3	53.9	54.0	55.5
274	Miscellaneous publishing	25.3	25.4	25.7	25.9	26.3
275	Commercial printing	123.4	124.7	131.7	133.0	133.6
2751	Commercial printing, letterpress	55.9	57.0	58.9	59.4	59.5
2752	Commercial printing, lithographic	62.6	62.7	67.2	67.9	68.5
276	Manifold business forms	14.2	14.5	15.9	15.8	16.0
278	Blankbooks and bookbinding	32.7	32.4	34.8	35.4	35.4
279	Printing trade services	8.6	8.7	9.2	9.4	9.4
28	CHEMICALS AND ALLIED PRODUCTS	264.4	265.1	274.3	275.5	276.6
281	Industrial inorganic chemicals	23.1	23.3	25.1	25.2	25.5
2819	Industrial inorganic chemicals, nec	15.7	15.8	16.6	16.5	16.7
282	Plastics materials and synthetics	44.6	45.4	47.2	47.1	46.9
2821	Plastics materials and resins	10.3	10.4	11.2	11.3	11.2
2824	Organic fibers, noncellulosic	26.0	26.4	26.6	26.4	26.3
283	Drugs	75.7	76.2	78.8	79.0	79.9
2834	Pharmaceutical preparations	64.4	64.9	67.2	67.3	68.1
284	Soap, cleaners, and toilet goods	57.2	56.3	56.5	57.2	56.9
2841	Soap and other detergents	9.5	9.4	9.2	9.1	9.1
2844	Toilet preparations	34.5	33.4	33.9	34.6	34.3
285	Paints and allied products	12.6	12.7	13.1	13.1	13.1
286	Industrial organic chemicals	23.8	23.6	24.3	24.5	24.7
2861,9	Gum, wood, and industrial organic chemicals, nec	19.3	19.1	19.3	19.4	19.5
287	Agricultural chemicals	9.1	9.2	10.2	9.9	10.0
289	Miscellaneous chemical products	18.3	18.4	19.1	19.5	19.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
29	PETROLEUM AND COAL PRODUCTS	24.8	24.9	27.6	27.9	27.9
291	Petroleum refining	19.9	20.0	22.3	22.5	22.6
30	RUBBER AND MISC. PLASTICS PRODUCTS	270.5	273.1	269.2	270.3	266.7
301	Tires and inner tubes	12.3	12.4	11.7	11.6	11.5
302	Rubber and plastics footwear	14.2	14.3	13.2	13.3	13.2
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.4	6.1	6.1	6.0	6.0
306	Fabricated rubber products, nec	40.3	41.1	40.0	39.9	39.3
307	Miscellaneous plastics products	197.3	199.2	198.2	199.5	198.7
31	LEATHER AND LEATHER PRODUCTS	156.5	155.6	148.0	148.2	148.2
311	Leather tanning and finishing	3.2	3.2	2.8	2.8	2.8
314	Footwear, except rubber	104.5	103.9	97.2	96.6	97.1
3143	Men's footwear, except athletic	40.2	39.7	35.2	34.8	35.4
3144	Women's footwear, except athletic	43.0	42.8	42.2	41.7	41.6
316	Luggage	9.9	10.0	9.6	10.0	9.9
317	Handbags and personal leather goods	23.9	23.5	24.6	24.9	24.4
-	TRANSPORTATION AND PUBLIC UTILITIES	1,170	1,175	1,256	1,260	1,272
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	57.5	58.4	65.1	64.5	64.9
411	Local and suburban transportation	9.1	9.5	11.5	11.7	11.8
412	Taxicabs	7.2	7.5	7.5	7.5	7.8
413	Intercity highway transportation	4.5	4.3	5.1	5.0	5.0
415	School buses	34.2	34.7	38.4	37.8	37.8
42	TRUCKING AND WAREHOUSING	147.8	149.3	158.2	160.0	163.4
421,3	Trucking and trucking terminals	130.5	132.6	141.0	141.1	143.7
422	Public warehousing	17.3	16.7	17.2	18.9	19.7
44	WATER TRANSPORTATION	17.9	18.2	20.2	19.7	19.9
45	TRANSPORTATION BY AIR	126.2	127.1	136.3	137.4	138.6
451,2	Air transportation	119.4	120.4	128.7	129.7	130.9
46	PIPE LINES, EXCEPT NATURAL GAS	2.1	2.1	2.3	2.2	2.2
47	TRANSPORTATION SERVICES	78.7	78.7	88.2	89.1	90.5
48	COMMUNICATION	583.1	584.8	618.6	619.1	624.4
481	Telephone communication	512.5	513.6	540.5	539.9	543.2
483	Radio and television broadcasting	54.8	55.4	60.7	61.3	62.7
49	ELECTRIC, GAS, AND SANITARY SERVICES	133.7	134.1	144.3	144.9	145.8
491	Electric services	59.6	59.7	65.1	65.7	66.3
492	Gas production and distribution	33.7	33.8	35.7	35.4	35.4
493	Combination utility services	31.2	31.4	33.4	33.7	34.0
495	Sanitary services	4.5	4.5	5.0	5.1	5.1
-	WHOLESALE AND RETAIL TRADE	8,452	8,657	8,740	8,798	8,999
50,51	WHOLESALE TRADE	1,278	1,285	1,323	1,339	1,350
50	WHOLESALE TRADE-DURABLE GOODS	688	697	728	733	741
501	Motor vehicles and automotive equipment	90.8	92.0	94.4	94.1	94.2
502	Furniture and home furnishings	36.3	37.2	38.6	38.9	40.2
503	Lumber and construction materials	29.9	30.0	32.4	32.9	33.2
504	Sporting goods, toys, and hobby goods	22.6	23.0	22.0	22.4	22.9
505	Metals and minerals, except petroleum	26.6	26.8	28.3	28.7	28.9
506	Electrical goods	110.4	112.6	116.7	117.5	119.2
507	Hardware, plumbing, and heating equipment	63.8	64.7	67.5	68.4	69.0
508	Machinery, equipment, and supplies	258.3	260.5	279.3	280.6	283.1
509	Miscellaneous durable goods	49.0	50.5	48.9	49.1	49.8
51	WHOLESALE TRADE-NONDURABLE GOODS	590	588	595	606	609
511	Paper and paper products	39.5	39.8	40.7	41.7	41.7
512	Drugs, proprietaries, and sundries	60.7	61.5	64.8	66.5	67.3
513	Apparel, piece goods, and notions	80.6	79.8	82.5	83.9	84.1
514	Groceries and related products	151.8	149.0	150.0	148.6	146.0
516	Chemicals and allied products	28.7	28.7	30.2	30.4	30.6
517	Petroleum and petroleum products	47.5	47.8	48.8	49.4	49.9
518	Beer, wine, and distilled beverages	19.7	20.0	21.1	21.4	21.6
519	Miscellaneous nondurable goods	114.2	115.5	120.0	123.6	125.5

WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
52-59	RETAIL TRADE	7,174	7,372	7,417	7,459	7,649
52	BUILDING MATERIALS AND GARDEN SUPPLIES	150.3	153.3	155.1	158.8	161.9
521	Lumber and other building materials	60.2	61.0	62.8	63.8	64.4
525	Hardware stores	49.6	51.6	53.2	54.6	55.8
53	GENERAL MERCHANDISE STORES	1,572.6	1,666.0	1,497.5	1,523.9	1,632.6
531	Department stores	1,258.2	1,338.8	1,178.0	1,205.0	1,297.7
533	Variety stores	225.0	235.4	217.5	218.0	228.7
539	Misc. general merchandise stores	89.4	91.8	102.0	100.9	106.2
54	FOOD STORES	915.4	936.8	953.7	970.2	991.6
541	Grocery stores	762.1	777.3	806.7	820.2	831.9
542	Meat markets and freezer provisioners	15.4	15.5	17.2	17.1	17.3
546	Retail bakeries	74.9	76.1	74.7	75.9	78.1
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	307.0	309.8	315.4	317.3	319.2
551,2	New and used car dealers	123.5	124.5	124.6	125.5	125.2
553	Auto and home supply stores	46.1	46.7	47.5	47.4	47.3
554	Gasoline service stations	122.4	123.7	126.8	127.9	130.4
56	APPAREL AND ACCESSORY STORES	627.3	663.0	641.7	658.3	691.7
561	Men's and boys' clothing and furnishings	59.6	63.4	61.1	61.6	65.3
562	Women's ready-to-wear stores	310.5	324.0	310.5	318.1	333.7
565	Family clothing stores	122.6	132.4	130.7	134.2	143.3
566	Shoe stores	69.5	72.4	73.3	76.3	77.8
57	FURNITURE AND HOME FURNISHING STORES	188.1	194.2	200.7	202.8	205.2
571	Furniture and home furnishings	127.0	129.8	129.2	130.4	132.3
572	Household appliance stores	23.5	24.7	24.4	24.7	24.5
573	Radio, television, and music stores	37.6	39.7	47.1	47.7	48.4
58	EATING AND DRINKING PLACES	2,434.9	2,423.3	2,663.1	2,616.5	2,595.3
59	MISCELLANEOUS RETAIL	978.0	1,025.7	989.7	1,011.4	1,051.5
591	Drug stores and proprietary stores	293.1	298.7	312.1	314.6	317.8
592	Liquor stores	28.3	29.8	34.5	34.5	35.1
594	Miscellaneous shopping goods stores	337.0	363.5	343.1	349.1	375.2
596	Nonstore retailers	165.7	175.7	147.8	157.0	164.4
598	Fuel and ice dealers	21.8	22.1	21.8	22.5	23.3
599	Retail stores, nec	110.7	114.4	110.7	114.0	115.7
-	FINANCE, INSURANCE, AND REAL ESTATE	2,764	2,787	2,916	2,932	2,948
60	BANKING	1,000.7	1,008.4	1,053.7	1,057.6	1,066.6
602	Commercial and stock savings banks	921.4	928.6	969.7	973.3	981.5
61	CREDIT AGENCIES OTHER THAN BANKS	340.5	343.8	365.0	368.1	370.0
612	Savings and loan associations	162.8	164.1	176.0	177.3	179.5
614	Personal credit institutions	115.7	117.1	124.1	126.1	126.2
62	SECURITY, COMMODITY BROKERS, AND SERVICES	75.0	76.3	82.4	82.9	84.4
621	Security brokers and dealers	59.3	60.5	65.3	65.8	66.7
63	INSURANCE CARRIERS	704.0	708.8	736.1	739.0	738.8
631	Life insurance	269.9	271.1	278.9	280.8	279.4
632	Medical service and health insurance	98.8	99.3	100.2	100.7	100.7
633	Fire, marine, and casualty insurance	285.2	287.9	304.9	305.1	306.4
64	INSURANCE AGENTS, BROKERS, AND SERVICE	252.0	254.4	264.6	266.8	270.2
65	REAL ESTATE	324.6	327.5	341.2	343.3	342.1
651	Real estate operators and lessors	130.8	132.0	134.2	134.4	133.7
653	Real estate agents and managers	144.8	145.3	158.1	159.5	158.5
655	Subdividers and developers	31.9	32.8	31.6	31.9	32.4
66	COMBINED REAL ESTATE, INSURANCE, ETC.	16.7	16.6	16.7	16.5	17.8
67	HOLDING AND OTHER INVESTMENT OFFICES	50.8	51.6	56.6	57.5	57.7
-	SERVICES	9,540	9,591	10,025	10,095	10,101
70	HOTELS AND OTHER LODGING PLACES	526.6	509.0	601.1	572.5	552.0
701	Hotels, motels, and tourist courts	506.9	491.0	576.5	550.5	531.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1978	Nov. 1978	Sept. 1979	Oct. 1979	Nov. 1979
72	PERSONAL SERVICES	607.6	609.5	603.6	607.7	607.9
721	Laundry, cleaning, and garment services	225.2	224.9	219.7	220.6	222.3
723	Beauty shops	248.0	248.6	247.5	248.0	247.2
726	Funeral service and crematories	18.0	18.0	19.0	19.1	19.0
73	BUSINESS SERVICES	1,155.2	1,174.7	1,249.6	1,267.1	1,263.5
731	Advertising	65.3	66.3	70.0	70.3	70.7
732	Credit reporting and collection	59.0	59.1	55.4	55.5	54.8
733	Mailing, reproduction, stenographic	52.4	54.9	53.2	54.8	55.8
734	Services to buildings	162.9	163.9	185.9	185.6	185.7
736	Personnel supply services	274.9	281.8	298.8	304.7	297.6
737	Computer and data processing services	108.0	110.7	123.8	126.6	130.5
75	AUTO REPAIR, SERVICES, AND GARAGES	92.7	93.0	94.2	95.0	96.4
753	Automotive repair shops	43.1	41.8	42.2	42.6	42.6
76	MISCELLANEOUS REPAIR SERVICES	50.7	51.9	59.5	60.2	60.2
78	MOTION PICTURES	79.9	79.1	82.4	78.4	78.2
781	Motion picture production and services	23.1	23.8	23.3	23.3	24.4
783	Motion picture theaters	50.8	49.4	53.1	49.1	48.0
79	AMUSEMENT AND RECREATION SERVICES	271.2	258.5	301.3	265.8	247.8
80	HEALTH SERVICES	3,954.7	3,979.6	4,139.6	4,163.2	4,180.3
801	Offices of physicians	540.7	542.3	563.5	569.5	567.6
802	Offices of dentists	257.8	261.3	272.8	273.6	275.3
806	Nursing and personal care facilities	833.5	837.4	884.3	888.1	892.9
806	Hospitals	2,075.4	2,085.4	2,152.8	2,163.4	2,172.1
81	LEGAL SERVICES	310.4	314.6	331.3	334.3	336.8
82	EDUCATIONAL SERVICES	557.8	565.9	514.7	576.3	585.3
821	Elementary and secondary schools	145.9	148.7	145.2	152.2	156.3
822	Colleges and universities	350.3	354.5	305.9	357.4	361.4
83	SOCIAL SERVICES	730.2	737.1	764.1	773.4	783.6
89	MISCELLANEOUS SERVICES	262.8	267.5	289.9	292.3	296.5
891	Engineering and architectural services	92.9	94.8	103.9	104.7	106.5
893	Accounting, auditing, and bookkeeping	117.7	119.4	128.5	129.4	130.6
-	GOVERNMENT	7,267	7,375	7,118	7,486	7,676
-	FEDERAL GOVERNMENT	866	864	866	871	870
-	STATE AND LOCAL GOVERNMENT	6,401	6,511	6,252	6,615	6,806
-	State government	1,538.0	1,561.3	1,518.3	1,609.8	1,640.9
-	Hospitals	315.3	318.7	336.9	335.4	341.3
-	State education	643.1	673.3	602.3	703.2	725.3
-	General administration including executive, legislative, and judicial functions	393.8	385.3	385.7	382.8	384.3
-	Local government	4,862.6	4,949.2	4,733.9	5,005.1	5,165.2
-	Transportation and public utilities	79.2	80.6	89.7	90.2	91.0
-	Hospitals	397.1	399.6	423.6	425.2	432.0
-	Local education	3,321.7	3,400.1	3,090.2	3,383.3	3,526.1
-	General administration including executive, legislative, and judicial functions	880.9	888.4	925.7	907.3	916.0

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. P	Jan. p
TOTAL	88,433	88,700	89,039	89,036	89,398	89,626	89,713	89,762	89,803	89,982	90,100	90,231	90,536
GOODS-PRODUCING	26,382	26,448	26,627	26,565	26,651	26,674	26,723	26,599	26,593	26,572	26,533	26,654	26,705
MINING	927	937	940	940	944	949	956	968	973	979	983	992	995
CONSTRUCTION	4,497	4,486	4,614	4,559	4,648	4,662	4,688	4,674	4,671	4,694	4,714	4,780	4,843
MANUFACTURING	20,958	21,025	21,073	21,066	21,059	21,063	21,079	20,957	20,949	20,899	20,836	20,882	20,867
DURABLE GOODS	12,640	12,715	12,751	12,752	12,739	12,760	12,786	12,714	12,737	12,650	12,587	12,610	12,594
Lumber and wood products	768	768	769	761	762	757	753	752	758	760	751	741	738
Furniture and fixtures	497	496	493	490	487	485	488	484	480	482	483	482	484
Stone, clay, and glass products	709	712	718	714	715	715	711	710	708	709	704	706	702
Primary metal industries	1,250	1,256	1,259	1,260	1,254	1,257	1,256	1,245	1,236	1,226	1,223	1,208	1,206
Fabricated metal products	1,725	1,733	1,732	1,732	1,730	1,737	1,730	1,714	1,716	1,723	1,726	1,724	1,714
Machinery, except electrical	2,419	2,437	2,450	2,466	2,471	2,484	2,500	2,492	2,496	2,455	2,438	2,442	2,489
Electric and electronic equipment	2,065	2,079	2,093	2,101	2,106	2,124	2,131	2,092	2,117	2,125	2,125	2,142	2,152
Transportation equipment	2,069	2,094	2,094	2,084	2,077	2,057	2,073	2,079	2,086	2,025	1,994	2,014	1,957
Instruments and related products	679	682	685	689	688	693	694	695	692	696	694	698	700
Miscellaneous manufacturing ind.	459	458	458	455	449	451	450	451	448	449	449	453	452
NONDURABLE GOODS	8,318	8,310	8,322	8,314	8,320	8,303	8,293	8,243	8,212	8,249	8,249	8,272	8,273
Food and kindred products	1,735	1,729	1,736	1,728	1,725	1,720	1,707	1,696	1,691	1,707	1,710	1,718	1,702
Tobacco manufactures	68	68	69	69	70	69	68	64	65	65	60	62	64
Textile mill products	900	899	897	892	893	892	892	886	884	887	889	893	891
Apparel and other textile products	1,339	1,327	1,324	1,325	1,324	1,312	1,324	1,302	1,294	1,299	1,292	1,299	1,302
Paper and allied products	706	711	716	717	714	715	718	717	714	715	714	714	718
Printing and publishing	1,225	1,229	1,232	1,234	1,236	1,242	1,250	1,247	1,245	1,252	1,262	1,264	1,271
Chemicals and allied products	1,109	1,108	1,108	1,111	1,114	1,119	1,116	1,111	1,110	1,113	1,114	1,119	1,123
Petroleum and coal products	211	212	213	213	213	212	212	213	215	217	217	217	217
Rubber and misc. plastic products	774	779	780	781	784	775	777	764	751	751	749	744	746
Leather and leather products	251	248	247	244	247	247	229	243	243	243	242	242	239
SERVICE-PRODUCING	62,051	62,252	62,412	62,471	62,747	62,952	62,990	63,163	63,210	63,410	63,567	63,577	63,831
TRANSPORTATION AND PUBLIC UTILITIES	5,071	5,094	5,116	5,024	5,130	5,190	5,169	5,194	5,180	5,218	5,229	5,206	5,236
WHOLESALE AND RETAIL TRADE ..	19,965	20,016	20,054	20,088	20,129	20,116	20,122	20,126	20,169	20,243	20,308	20,246	20,378
WHOLESALE TRADE	5,102	5,118	5,134	5,138	5,156	5,180	5,182	5,185	5,190	5,209	5,235	5,222	5,244
RETAIL TRADE	14,863	14,898	14,920	14,950	14,973	14,936	14,940	14,941	14,979	15,034	15,073	15,024	15,134
FINANCE, INSURANCE, AND REAL ESTATE	4,868	4,884	4,899	4,915	4,936	4,958	4,972	5,003	4,997	5,018	5,039	5,054	5,071
SERVICES	16,670	16,763	16,833	16,880	16,954	17,051	17,092	17,141	17,191	17,257	17,298	17,360	17,414
GOVERNMENT	15,477	15,495	15,510	15,564	15,598	15,637	15,635	15,659	15,673	15,674	15,693	15,711	15,732
FEDERAL	2,758	2,757	2,757	2,758	2,770	2,788	2,785	2,813	2,762	2,770	2,771	2,771	2,782
STATE AND LOCAL	12,719	12,738	12,753	12,806	12,828	12,849	12,850	12,886	12,911	12,904	12,922	12,940	12,950

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	1978			1979									
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
TOTAL	35,951	36,074	36,271	36,385	36,517	36,669	36,769	36,916	37,102	37,262	37,144	37,324	37,512
GOODS-PRODUCING	6,781	6,827	6,865	6,877	6,899	6,920	6,939	6,960	6,971	6,907	6,906	6,942	6,948
MINING	82	83	84	85	87	87	89	91	92	94	94	94	95
CONSTRUCTION	343	345	350	353	357	362	367	374	379	380	383	385	389
MANUFACTURING	6,356	6,399	6,431	6,439	6,455	6,471	6,483	6,495	6,500	6,433	6,429	6,463	6,464
DURABLE GOODS	2,985	3,012	3,029	3,053	3,069	3,082	3,087	3,102	3,109	3,068	3,082	3,094	3,092
Lumber and wood products	110	112	112	113	114	114	114	113	113	113	114	115	113
Furnitures and fixtures	145	146	146	146	145	145	144	145	146	145	143	142	142
Stone, clay, and glass products	130	132	131	132	134	134	134	135	134	133	134	134	134
Primary metal industries	127	129	130	131	131	134	134	138	137	135	134	134	133
Fabricated metal products	352	355	357	360	361	361	362	363	363	360	359	362	363
Machinery, except electrical	446	453	456	460	464	469	473	473	479	478	482	482	482
Electric and electronic equipment	855	863	870	877	884	887	892	902	907	888	898	903	904
Transportation equipment	315	318	320	326	326	326	326	323	321	307	312	314	313
Instruments and related products	286	286	289	291	293	294	295	296	296	296	295	296	295
Miscellaneous manufacturing ind.	219	218	218	217	217	218	213	214	213	213	211	212	213
NONDURABLE GOODS	3,371	3,387	3,402	3,386	3,386	3,389	3,396	3,393	3,391	3,365	3,347	3,369	3,372
Food and kindred products	503	509	512	507	509	508	511	511	502	495	488	501	503
Tobacco manufactures	25	26	25	25	25	26	26	25	24	23	24	24	21
Textile mill products	424	425	425	424	423	422	422	424	422	422	421	421	424
Apparel and other textile products	1,080	1,081	1,087	1,075	1,071	1,072	1,072	1,062	1,073	1,056	1,049	1,053	1,048
Paper and allied products	160	161	163	163	165	165	164	164	165	164	164	164	163
Printing and publishing	467	470	474	476	477	479	479	482	487	488	491	494	498
Chemicals and allied products	264	266	268	268	268	269	271	273	274	271	271	273	276
Petroleum and coal products	25	25	25	25	25	26	26	27	27	27	28	28	28
Rubber and misc. plastics products	269	271	271	273	273	273	275	275	279	272	263	264	264
Leather and leather products	154	153	152	150	150	149	150	150	138	147	148	147	147
SERVICE-PRODUCING	29,170	29,247	29,406	29,508	29,618	29,749	29,850	29,956	30,131	30,355	30,238	30,382	30,564
TRANSPORTATION AND PUBLIC UTILITIES	1,170	1,179	1,195	1,205	1,209	1,202	1,214	1,233	1,236	1,243	1,251	1,252	1,267
WHOLESALE AND RETAIL TRADE	8,449	8,423	8,526	8,552	8,595	8,627	8,673	8,670	8,684	8,695	8,713	8,744	8,783
WHOLESALE TRADE	1,271	1,279	1,286	1,290	1,297	1,297	1,307	1,310	1,317	1,317	1,316	1,322	1,335
RETAIL TRADE	7,178	7,144	7,240	7,262	7,298	7,330	7,366	7,360	7,367	7,378	7,395	7,422	7,448
FINANCE, INSURANCE, AND REAL ESTATE	2,787	2,802	2,817	2,826	2,837	2,850	2,862	2,880	2,892	2,912	2,916	2,935	2,948
SERVICES	9,581	9,640	9,672	9,710	9,754	9,798	9,846	9,898	9,939	10,003	10,015	10,065	10,091
GOVERNMENT	7,183	7,203	7,196	7,215	7,223	7,272	7,255	7,275	7,380	7,502	7,343	7,386	7,475
FEDERAL	874	866	863	862	862	861	866	875	874	891	878	882	880
STATE AND LOCAL	6,309	6,337	6,333	6,353	6,361	6,411	6,389	6,400	6,506	6,611	6,465	6,504	6,595

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
TOTAL PRIVATE	59,688	59,883	60,161	60,051	60,326	60,495	60,544	60,475	60,528	60,668	60,746	60,823	60,997
GOODS-PRODUCING	19,372	19,409	19,555	19,475	19,542	19,537	19,560	19,415	19,416	19,371	19,314	19,428	19,446
MINING	700	707	707	708	708	709	713	725	730	733	733	739	734
CONSTRUCTION	3,587	3,574	3,695	3,633	3,722	3,732	3,757	3,734	3,729	3,744	3,752	3,816	3,868
MANUFACTURING	15,085	15,128	15,153	15,134	15,112	15,096	15,090	14,956	14,957	14,894	14,829	14,873	14,844
DURABLE GOODS	9,085	9,138	9,158	9,146	9,119	9,123	9,124	9,044	9,066	8,972	8,908	8,929	8,887
Lumber and wood products	656	655	657	649	649	646	643	642	646	649	639	627	621
Furniture and fixtures	408	406	404	401	397	395	398	394	392	394	394	394	393
Stone, clay, and glass products	562	564	569	563	564	565	560	558	557	557	553	554	553
Primary metal industries	987	992	995	995	987	991	988	976	970	960	954	943	940
Fabricated metal products	1,310	1,317	1,315	1,314	1,310	1,316	1,309	1,291	1,295	1,298	1,300	1,296	1,286
Machinery, except electrical	1,595	1,610	1,615	1,625	1,628	1,632	1,641	1,628	1,637	1,601	1,591	1,591	1,624
Electric and electronic equipment	1,360	1,369	1,378	1,384	1,384	1,393	1,395	1,359	1,375	1,380	1,376	1,387	1,395
Transportation equipment	1,439	1,456	1,455	1,446	1,438	1,417	1,426	1,431	1,433	1,371	1,342	1,370	1,307
Instruments and related products	418	421	422	423	421	424	422	421	420	421	418	421	424
Miscellaneous manufacturing ind.	350	348	348	346	341	344	342	344	341	341	341	346	344
NONDURABLE GOODS	6,000	5,990	5,995	5,988	5,993	5,973	5,966	5,912	5,891	5,922	5,921	5,944	5,957
Food and kindred products	1,191	1,184	1,191	1,187	1,184	1,181	1,170	1,157	1,153	1,165	1,171	1,181	1,170
Tobacco manufactures	55	54	55	56	56	55	54	50	52	52	46	48	50
Textile mill products	785	783	781	777	778	777	778	771	769	772	776	779	779
Apparel and other textile products	1,149	1,137	1,131	1,131	1,133	1,122	1,130	1,110	1,104	1,109	1,102	1,109	1,111
Paper and allied products	532	537	542	543	541	541	547	545	543	543	542	543	546
Printing and publishing	690	694	696	696	700	701	707	705	703	708	715	714	723
Chemicals and allied products	637	636	635	636	636	640	639	634	635	637	638	643	648
Petroleum and coal products	138	139	139	140	139	139	138	139	140	140	141	142	144
Rubber and misc. plastics products	609	614	614	614	616	607	609	595	585	585	585	581	585
Leather and leather products	214	212	211	208	210	210	194	206	207	207	205	204	201
SERVICE-PRODUCING	40,316	40,474	40,606	40,576	40,784	40,958	40,984	41,060	41,112	41,297	41,432	41,395	41,551
TRANSPORTATION AND PUBLIC UTILITIES	4,248	4,268	4,283	4,197	4,293	4,351	4,333	4,348	4,337	4,370	4,380	4,362	4,373
WHOLESALE AND RETAIL TRADE	17,578	17,618	17,648	17,662	17,691	17,689	17,681	17,689	17,721	17,789	17,848	17,790	17,891
WHOLESALE TRADE	4,194	4,206	4,222	4,221	4,237	4,257	4,255	4,256	4,259	4,279	4,295	4,292	4,305
RETAIL TRADE	13,384	13,412	13,426	13,441	13,454	13,432	13,426	13,433	13,462	13,510	13,553	13,498	13,586
FINANCE, INSURANCE, AND REAL ESTATE	3,705	3,716	3,729	3,743	3,756	3,777	3,788	3,804	3,794	3,804	3,814	3,821	3,833
SERVICES	14,785	14,872	14,946	14,974	15,044	15,141	15,182	15,219	15,260	15,334	15,390	15,422	15,454

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

^P=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1977				
January.....	73.0	80.2	86.3	80.5
February.....	67.2	84.3	84.6	81.4
March.....	72.4	82.6	84.0	82.8
April.....	71.5	81.7	82.3	84.6
May.....	70.3	76.5	79.1	85.2
June.....	65.1	72.7	77.6	86.6
July.....	70.3	70.3	75.3	84.9
August.....	57.8	70.9	76.7	83.1
September.....	67.2	67.7	79.7	83.1
October.....	64.2	76.2	80.5	82.8
November.....	73.3	79.7	84.0	81.1
December.....	75.3	79.4	82.3	82.0
1978				
January.....	68.3	80.2	83.1	81.4
February.....	69.2	75.6	79.1	83.1
March.....	69.5	77.3	77.6	81.1
April.....	68.0	69.8	73.5	82.0
May.....	57.8	67.2	72.7	81.7
June.....	66.6	66.6	71.2	82.3
July.....	64.5	69.5	73.0	81.4
August.....	60.5	67.2	77.3	78.2
September.....	62.5	71.2	79.7	77.9
October.....	73.0	78.2	82.3	73.5
November.....	75.9	81.1	82.3	76.2
December.....	74.4	82.3	80.5	71.8
1979				
January.....	70.3	76.5	74.1	71.8
February.....	65.1	72.1	67.4	70.6
March.....	60.5	57.8	61.9	63.7
April.....	44.8	55.2	58.1	64.0
May.....	54.7	51.5	50.3	61.9
June.....	57.0	58.4	46.8	58.7p
July.....	61.6	56.7	56.1	58.1p
August.....	48.8	52.0	55.8	
September.....	46.8	52.9	55.8p	
October.....	69.8	61.0	60.5p	
November.....	59.9	66.3p		
December.....	59.3p	61.9p		
1980				
January.....	62.2p			
February.....				
March.....				
April.....				
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
1 ALABAMA	1,361.3	1,364.7	1,367.2	16.1	16.4	16.4	78.8	78.5	76.1	367.5	360.7	359.8
2 Birmingham	358.0	360.4	362.1	9.1	9.3	9.3	22.4	22.2	21.4	70.1	68.2	68.2
3 Huntsville	119.2	121.2	121.3	(1)	(1)	(1)	4.1	4.3	4.1	35.1	35.6	35.5
4 Mobile	149.3	149.0	149.0	(1)	(1)	(1)	11.5	13.8	13.2	30.3	29.8	29.8
5 Montgomery	105.6	108.2	108.5	(1)	(1)	(1)	6.5	8.2	8.1	16.0	16.3	16.3
6 Tuscaloosa	49.3	50.0	49.9	1.1	1.4	1.4	2.9	2.9	2.9	8.9	9.0	9.0
7 ALASKA	156.6	(*)	(*)	5.2	(*)	(*)	8.7	(*)	(*)	8.7	(*)	(*)
8 ARIZONA	933.6	986.3	991.6	19.8	22.6	22.7	76.9	77.3	75.7	132.0	146.8	146.8
9 Phoenix	582.2	615.5	619.2	.2	.2	.2	49.7	50.2	49.3	97.8	107.7	107.9
10 Tucson	167.3	178.9	181.1	6.0	7.4	7.4	13.7	14.5	14.5	15.6	19.4	19.5
11 ARKANSAS	734.9	750.3	749.0	4.8	5.2	5.2	36.0	36.6	36.2	214.2	213.3	213.2
12 Fayetteville-Springdale	62.1	64.3	63.5	(1)	(1)	(1)	3.0	3.2	3.2	18.4	19.0	18.4
13 Fort Smith	67.7	66.1	66.1	.8	.9	.8	3.0	2.9	2.8	24.6	22.8	22.8
14 Little Rock-North Little Rock	173.6	178.9	178.8	(1)	(1)	(1)	8.9	9.6	9.6	30.5	31.1	30.5
15 Pine Bluff	31.0	31.9	31.5	(1)	(1)	(1)	1.8	2.1	1.9	6.2	6.3	6.3
16 CALIFORNIA	9,536.3	9,827.7	9,892.6	37.7	39.2	39.4	444.5	449.8	445.8	1,928.5	1,990.8	1,987.5
17 Anaheim-Santa Ana-Garden Grove	786.5	826.9	834.4	2.3	2.2	2.3	49.0	50.4	50.7	205.3	217.4	218.2
18 Bakersfield	123.7	126.6	127.5	10.3	10.5	10.6	7.2	7.0	6.9	9.5	10.0	10.0
19 Fresno	178.7	187.6	187.7	.9	.9	.9	12.0	13.3	13.3	22.8	25.1	23.7
20 Los Angeles-Long Beach	3,563.9	3,643.5	3,671.6	11.4	11.7	11.7	114.2	116.7	116.5	911.7	939.1	939.0
21 Modesto	86.1	90.4	90.2	.1	.1	.1	6.2	6.7	6.7	17.7	19.0	18.6
22 Oxnard-Simi Valley-Ventura	137.9	143.0	143.6	2.4	2.5	2.5	7.1	8.1	8.2	21.3	22.5	22.5
23 Riverside-San Bernardino-Ontario	424.1	441.2	443.7	2.3	2.5	2.5	29.1	31.0	30.6	65.3	67.8	67.5
24 Sacramento	387.4	405.7	407.1	.4	.4	.4	23.4	26.4	26.0	26.1	27.9	27.4
25 Salinas-Seaside-Monterey	84.9	86.3	85.9	.6	.6	.6	3.8	3.6	3.6	9.6	9.8	9.2
26 San Diego	622.2	642.4	646.6	.7	.7	.7	41.4	41.0	40.5	93.4	100.2	100.8
27 San Francisco-Oakland	1,532.8	1,551.1	1,560.2	2.0	2.0	2.0	72.5	73.2	72.4	202.9	203.9	204.3
28 San Jose	606.7	639.2	642.6	.1	.2	.2	25.2	26.0	25.7	206.1	224.4	225.2
29 Santa Barbara-Santa Maria-Lompoc	115.2	117.1	117.0	1.1	1.1	1.1	4.9	5.2	5.2	15.3	15.8	15.4
30 Santa Rosa	84.9	88.0	87.8	.4	.4	.4	5.4	5.3	5.2	13.4	14.5	14.1
31 Stockton	116.0	120.6	120.3	.1	.1	.1	6.2	6.6	6.6	18.9	19.6	19.0
32 Vallejo-Fairfield-Napa	97.1	98.6	98.8	.3	.3	.3	4.8	5.1	5.1	10.0	10.3	10.3
33 COLORADO	1,168.3	1,206.5	1,211.3	28.5	31.9	32.0	71.5	81.4	78.4	172.4	180.7	180.2
34 Denver-Boulder	743.9	768.9	771.7	15.7	18.0	18.1	44.7	51.1	49.3	117.9	123.6	123.8
35 CONNECTICUT	1,396.6	1,422.9	1,431.5	(2)	(2)	(2)	50.5	53.6	50.4	433.6	434.0	436.4
36 Bridgeport	167.0	167.8	168.8	(2)	(2)	(2)	5.6	6.2	5.9	65.5	66.6	67.0
37 Hartford	382.2	393.7	396.7	(2)	(2)	(2)	12.8	13.9	13.2	92.1	95.4	96.3
38 New Britain	62.1	62.9	63.0	(2)	(2)	(2)	2.0	2.3	2.1	29.7	30.0	30.1
39 New Haven-West Haven	191.2	191.3	192.6	(2)	(2)	(2)	5.9	6.5	6.2	45.5	43.2	43.7
40 Stamford	105.1	108.5	110.0	(2)	(2)	(2)	4.9	5.1	5.0	30.0	31.0	31.3
41 Waterbury	88.4	89.6	89.2	(2)	(2)	(2)	3.2	3.7	3.5	33.0	32.9	32.5
42 DELAWARE	251.5	248.2	252.1	(1)	(1)	(1)	14.8	14.9	14.7	69.3	64.9	68.3
43 Wilmington	220.1	216.8	220.9	(1)	(1)	(1)	14.2	14.0	13.9	65.1	60.3	64.1
44 DISTRICT OF COLUMBIA	591.3	598.8	601.5	(1)	(1)	(1)	14.9	15.0	14.8	15.2	15.5	15.5
45 Washington SMSA	1,480.1	1,500.5	1,507.6	(1)	(1)	(1)	81.3	80.0	78.5	52.6	54.4	54.8
46 FLORIDA	3,259.3	3,353.5	3,399.2	9.4	9.7	9.7	215.4	236.1	239.6	442.5	462.8	465.6
47 Daytona Beach	71.6	72.6	73.4	(1)	(1)	(1)	4.3	4.8	4.9	7.7	8.1	8.1
48 Fort Lauderdale-Hollywood	298.4	303.6	310.3	(1)	(1)	(1)	23.4	25.1	25.3	36.6	35.6	39.9
49 Gainesville	61.8	64.1	64.3	(1)	(1)	(1)	3.1	3.9	3.8	3.9	3.8	3.8
50 Jacksonville	283.3	286.7	288.0	(1)	(1)	(1)	15.4	15.8	15.8	32.5	32.4	32.3
51 Miami	663.8	678.0	686.1	(1)	(1)	(1)	32.4	39.2	39.5	97.3	98.4	99.1
52 Orlando	258.1	268.1	272.7	(1)	(1)	(1)	16.4	18.4	18.9	33.4	35.3	35.4
53 Pensacola	93.8	95.9	96.4	(1)	(1)	(1)	6.5	6.8	6.9	13.2	12.9	12.7
54 Sarasota	63.3	64.5	65.1	(1)	(1)	(1)	6.7	6.5	6.5	6.5	6.5	6.6
55 Tallahassee	68.4	71.2	71.2	(1)	(1)	(1)	3.4	3.3	3.2	2.5	2.4	2.4
56 Tampa-St. Petersburg	488.1	494.2	498.0	(1)	(1)	(1)	33.1	33.2	33.0	68.1	70.6	70.2
57 West Palm Beach-Boca Raton	181.5	188.7	192.1	(1)	(1)	(1)	15.9	17.7	18.0	24.9	27.6	28.2
58 GEORGIA	2,027.0	2,037.5	2,039.6	7.8	7.8	8.0	99.3	94.9	94.5	514.8	520.7	516.1
59 Albany	43.4	44.7	45.0	(1)	(1)	(1)	4.2	3.2	3.2	10.9	12.3	12.1
60 Atlanta	869.0	873.2	872.3	(1)	(1)	(1)	39.4	36.9	36.4	134.6	139.2	136.0
61 Augusta	122.1	121.9	123.0	(1)	(1)	(1)	7.3	6.9	6.9	36.6	36.5	36.3
62 Columbus	81.4	81.9	81.8	(1)	(1)	(1)	4.9	4.5	4.4	20.3	21.0	20.7
63 Macon	96.2	94.8	95.1	(1)	(1)	(1)	4.5	4.2	4.1	14.6	14.8	14.9

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			
DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	
70.9	71.8	72.0	280.8	280.1	285.9	58.3	57.9	58.0	194.6	199.2	199.7	294.3	300.1	299.3	1
28.6	29.0	28.9	88.6	89.1	91.5	22.8	23.1	23.2	63.3	65.4	65.6	53.1	54.1	54.6	2
2.6	2.7	2.7	22.8	23.0	23.5	3.5	3.5	3.5	17.4	17.9	17.9	33.7	34.2	34.1	3
11.0	11.0	11.4	37.9	37.5	38.0	7.2	7.3	7.3	26.7	26.0	25.7	24.7	23.6	23.6	4
4.9	5.0	5.0	25.2	24.7	25.2	6.0	6.1	6.1	18.6	19.2	19.3	28.4	28.7	28.5	5
1.7	1.6	1.6	9.9	9.7	9.8	1.7	1.7	1.7	5.6	6.1	5.9	17.5	17.6	17.6	6
15.5	(*)	(*)	28.8	(*)	(*)	7.7	(*)	(*)	26.8	(*)	(*)	55.2	(*)	(*)	7
46.7	49.4	49.7	229.1	242.1	247.0	51.0	54.2	54.5	178.4	190.0	190.9	199.7	203.9	204.3	8
28.1	29.5	29.7	153.6	162.7	165.8	39.0	41.1	41.3	114.3	121.7	122.5	99.5	102.4	102.5	9
8.3	8.8	8.8	39.0	40.3	41.5	7.3	8.0	8.0	34.4	36.3	36.5	43.0	44.2	44.9	10
42.6	45.2	44.1	164.2	165.0	166.2	30.8	31.9	31.9	105.8	112.4	112.1	136.5	140.7	140.1	11
3.3	3.4	3.3	15.0	15.2	15.3	2.2	2.3	2.3	8.3	8.8	8.9	11.9	12.4	12.1	12
3.4	3.5	3.5	14.9	14.6	14.8	2.4	2.6	2.6	11.0	11.1	11.2	7.6	7.7	7.6	13
12.4	12.7	12.7	42.1	42.0	42.5	12.1	12.4	12.4	32.0	34.5	34.5	35.6	36.6	36.6	14
3.7	4.0	4.0	6.4	6.1	6.2	1.2	1.3	1.3	4.7	4.9	4.9	7.0	7.2	6.9	15
523.0	539.9	542.8	2,280.9	2,317.5	2,369.8	569.4	593.9	596.8	2,027.3	2,136.0	2,145.8	1,725.0	1,760.6	1,764.7	16
25.1	26.5	26.5	195.7	203.7	209.0	49.4	54.0	54.2	157.0	166.5	166.9	102.7	106.2	106.6	17
7.5	7.8	7.8	32.6	33.2	34.2	4.5	4.5	4.5	20.9	21.4	21.4	31.2	32.2	32.1	18
10.3	10.7	10.7	48.9	50.7	51.8	9.7	10.5	10.6	33.8	35.2	35.5	40.3	41.2	41.2	19
197.8	204.6	205.8	843.9	846.8	868.4	215.9	221.0	221.6	787.3	817.5	822.2	481.7	486.1	486.4	20
3.7	3.8	3.7	22.6	24.3	24.7	2.9	3.2	3.2	16.1	16.7	16.7	16.8	16.6	16.5	21
6.1	6.1	6.1	33.6	34.2	34.7	6.0	6.3	6.3	25.8	27.6	27.6	35.6	35.7	35.7	22
22.3	23.7	23.7	104.7	107.5	110.3	17.1	17.9	17.9	86.7	90.6	91.1	96.6	100.2	100.1	23
20.6	21.9	21.8	91.5	96.5	98.6	19.3	20.9	21.0	70.1	75.2	75.9	136.0	136.5	136.0	24
4.9	4.8	4.8	21.9	22.3	22.6	3.9	4.1	4.1	18.1	18.6	18.5	22.1	22.5	22.5	25
26.9	27.2	27.2	150.0	152.0	155.4	34.3	36.1	36.3	135.1	141.3	141.6	140.4	143.9	144.1	26
127.9	126.4	126.8	367.3	369.0	375.2	135.0	140.6	140.7	334.6	344.0	345.5	290.6	292.0	293.3	27
20.4	21.2	21.2	120.8	124.1	127.2	24.1	25.5	25.6	130.7	138.0	137.6	79.3	79.8	79.7	28
4.3	4.5	4.5	30.4	30.6	31.3	4.9	5.0	5.0	29.8	31.1	31.3	24.5	23.8	23.2	29
4.2	4.3	4.3	20.8	21.7	22.0	5.3	5.4	5.4	16.1	16.6	16.7	19.3	19.8	19.7	30
8.0	8.5	8.4	27.7	29.0	29.2	4.9	5.1	5.2	23.0	24.4	24.5	27.2	27.3	27.3	31
4.2	4.3	4.3	20.7	20.9	21.3	3.3	3.5	3.5	17.2	18.0	17.7	36.6	36.2	36.3	32
71.5	75.6	75.4	297.1	295.6	300.4	69.7	72.9	73.3	237.1	243.1	247.0	220.5	225.2	224.7	33
49.8	53.1	53.0	189.0	187.6	190.5	49.5	52.0	52.1	153.3	158.9	159.9	124.1	124.5	124.9	34
59.0	61.7	62.0	300.4	306.6	313.7	97.3	100.2	100.9	267.2	277.8	278.7	188.6	189.0	189.5	35
6.1	6.3	6.3	35.2	34.3	34.9	6.8	6.8	6.8	31.3	31.5	31.7	16.6	16.2	16.2	36
15.0	15.3	15.4	82.0	83.0	84.8	55.5	57.3	57.7	72.0	75.1	75.6	52.8	53.6	53.6	37
1.5	1.5	1.5	10.6	10.6	10.8	1.6	1.7	1.7	9.5	9.9	9.8	7.1	7.0	7.0	38
15.5	15.6	15.6	41.1	41.3	42.1	10.6	10.4	10.5	45.7	47.2	47.5	26.9	27.1	26.5	39
3.7	3.8	3.9	25.2	25.0	25.9	7.3	7.5	7.5	24.2	25.7	25.9	9.9	10.3	10.4	40
3.2	3.1	3.1	16.1	16.1	16.4	3.2	3.3	3.3	17.9	19.2	19.1	11.9	11.3	11.4	41
13.0	13.0	13.0	56.3	55.1	55.5	11.4	11.5	11.5	43.0	43.3	43.6	43.7	45.6	45.4	42
12.2	12.3	12.4	45.8	44.2	44.6	10.1	10.2	10.2	37.7	38.6	38.6	34.9	37.3	37.2	43
25.8	26.2	26.2	66.9	66.8	67.6	33.6	33.9	34.0	160.7	167.0	168.3	274.2	274.4	275.1	44
64.6	67.2	67.2	295.1	285.8	294.3	85.0	88.1	88.4	365.6	386.7	388.5	535.9	534.3	535.9	45
201.5	212.0	213.9	845.5	843.3	865.6	229.1	243.0	243.3	698.3	723.0	732.9	617.6	623.6	628.6	46
2.8	2.9	2.9	20.1	19.4	19.9	4.1	4.3	4.4	18.2	18.7	18.9	14.4	14.4	14.3	47
14.9	14.7	14.8	86.7	84.8	87.9	24.6	25.0	25.1	69.5	71.3	73.9	42.7	43.1	43.4	48
1.6	1.5	1.5	12.7	12.1	12.5	2.6	2.7	2.7	7.8	8.7	8.6	30.1	31.4	31.4	49
22.7	24.0	24.0	75.3	73.8	75.0	28.0	28.3	28.3	54.4	56.3	56.5	55.0	56.1	56.1	50
65.3	71.7	71.6	171.0	166.7	167.5	47.5	50.5	50.7	159.2	161.8	167.2	91.1	89.7	90.5	51
13.0	13.6	13.8	71.3	70.3	72.9	17.2	18.4	18.9	65.5	68.0	69.0	41.3	44.1	43.8	52
4.8	5.4	5.4	22.2	22.3	22.8	4.2	4.3	4.4	17.2	17.8	17.8	25.7	26.4	26.4	53
2.8	2.8	2.8	18.6	18.4	18.5	4.8	4.9	4.8	14.4	15.6	16.0	9.5	9.8	9.9	54
2.3	2.3	2.3	13.9	15.5	15.5	3.1	3.2	3.2	9.2	11.8	11.8	34.0	32.7	32.8	55
28.5	28.2	28.5	136.2	134.5	136.9	35.4	37.7	38.0	109.3	112.0	113.2	77.5	78.0	78.2	56
7.7	8.2	8.2	47.1	46.6	48.2	14.0	14.8	14.7	41.7	41.5	42.3	30.2	32.3	32.5	57
128.5	129.6	129.9	476.2	469.8	478.4	103.5	106.4	106.3	299.3	306.6	305.7	397.6	401.8	400.8	58
1.9	2.0	1.9	9.7	9.3	9.8	1.7	1.9	1.9	4.8	5.3	5.3	10.2	10.7	10.7	59
78.3	79.6	79.0	248.4	241.8	246.2	59.7	61.6	61.5	157.7	160.2	161.0	150.9	153.8	152.2	60
4.2	4.3	4.4	26.0	25.0	26.1	4.3	4.4	4.3	15.1	15.6	15.7	28.6	29.2	29.4	61
3.4	3.5	3.4	18.0	16.8	16.9	5.3	5.2	5.3	10.5	10.8	10.8	19.1	20.2	20.3	62
4.5	4.6	4.6	20.8	19.9	20.2	5.8	5.7	5.7	15.1	15.2	15.2	31.0	30.3	30.3	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			Construction			Manufacturing		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
GEORGIA—Continued												
1 Savannah	85.5	82.9	83.4	(1)	(1)	(1)	6.4	4.6	4.7	17.1	16.5	16.5
HAWAII	389.3	398.1	408.3	(1)	(1)	(1)	21.9	23.2	23.2	23.0	22.4	22.7
3 Honolulu	322.3	330.1	338.5	(1)	(1)	(1)	18.0	18.3	18.2	16.8	16.2	16.4
IDAHO	339.0	343.6	340.5	3.8	4.2	3.8	18.2	19.7	17.9	58.7	59.8	58.6
5 Boise City	81.0	82.1	81.8	(1)	(1)	(1)	6.0	6.3	5.9	8.9	9.8	9.7
ILLINOIS	4,843.9	4,837.9	4,833.8	28.1	29.0	29.0	171.7	180.0	166.2	1,247.6	1,166.5	1,158.6
7 Bloomington-Normal	49.1	50.4	49.5	(2)	(2)	(2)	1.2	1.3	1.2	7.0	7.1	6.9
8 Champaign-Urbana-Rantoul	71.7	74.1	73.3	(2)	(2)	(2)	2.6	2.9	2.7	7.9	8.1	8.1
9 Chicago-Gary	3,470.1	3,504.0	(*)	4.9	5.1	(*)	145.2	154.0	(*)	951.2	932.6	(*)
10 Chicago SMSA ³	3,209.1	3,242.4	3,240.3	4.8	5.0	5.0	129.1	135.9	131.9	846.3	834.2	829.6
11 Davenport-Rock Island-Moline	161.1	157.1	157.4	(2)	(2)	(2)	7.0	7.4	7.0	49.0	43.9	44.1
12 Decatur	54.9	50.2	50.0	(2)	(2)	(2)	2.9	3.3	3.0	19.4	13.4	13.4
13 Kankakee	33.3	33.6	33.6	(2)	(2)	(2)	1.0	1.1	1.0	10.0	9.8	9.9
14 Peoria	151.4	118.8	118.3	(2)	(2)	(2)	8.8	9.2	8.8	51.7	15.7	15.2
15 Rockford	122.4	123.2	123.2	(2)	(2)	(2)	3.1	3.3	2.9	56.9	56.2	56.2
16 Springfield	83.1	83.4	83.0	(2)	(2)	(2)	3.0	4.0	3.6	7.8	7.4	7.1
INDIANA	2,233.7	2,248.7	2,243.4	9.6	10.0	9.9	104.8	119.5	114.7	753.6	719.0	714.9
18 Anderson	53.7	51.0	50.1	(1)	(1)	(1)	1.1	1.2	1.2	26.2	23.5	22.5
19 Evansville	125.4	125.2	124.9	2.5	2.5	2.5	8.1	8.1	7.7	38.2	36.9	36.7
20 Fort Wayne	175.7	172.3	171.4	(1)	(1)	(1)	7.2	7.9	7.2	61.6	53.3	52.8
21 Gary-Hammond-East Chicago ³	261.0	259.8	259.3	(1)	(1)	(1)	16.1	18.1	17.4	104.9	99.4	98.9
22 Indianapolis	516.2	522.8	522.4	(1)	(1)	(1)	17.1	20.1	19.1	132.0	126.0	125.2
23 Lafayette-West Lafayette	59.1	59.4	58.9	(1)	(1)	(1)	1.9	2.3	2.3	13.0	11.9	11.8
24 Muncie	50.2	50.8	50.2	(1)	(1)	(1)	1.9	1.9	1.8	14.4	14.4	13.8
25 South Bend	112.9	113.5	113.4	(1)	(1)	(1)	5.0	4.8	4.8	34.1	33.6	33.2
26 Terre Haute	64.5	65.7	65.2	1.5	1.5	1.5	2.2	3.0	2.8	17.5	16.8	16.8
IOWA	1,124.0	1,148.0	1,144.0	2.2	2.3	2.1	54.5	60.8	55.4	256.3	259.9	259.2
28 Cedar Rapids	84.8	88.6	88.1	(1)	(1)	(1)	4.0	4.4	4.0	29.7	30.1	29.6
29 Des Moines	181.9	183.1	183.4	(1)	(1)	(1)	8.4	8.4	8.1	26.3	26.3	26.3
30 Dubuque	45.3	45.9	45.9	(1)	(1)	(1)	2.1	2.3	2.2	17.5	17.8	18.0
31 Sioux City	51.3	51.6	50.8	(1)	(1)	(1)	3.4	3.6	3.0	9.7	9.3	9.2
32 Waterloo-Cedar Falls	68.4	70.4	71.0	(1)	(1)	(1)	2.7	3.2	3.0	23.0	24.8	25.5
KANSAS	934.1	964.2	968.1	12.6	13.5	13.6	46.7	53.6	52.1	195.1	203.0	203.5
34 Lawrence	27.0	28.8	28.6	(2)	(2)	(2)	1.2	1.5	1.5	4.4	4.8	4.8
35 Topeka	85.5	85.7	86.0	.2	.3	.2	3.6	3.7	3.6	11.5	10.6	10.9
36 Wichita	197.8	210.7	210.1	2.0	2.4	2.4	10.2	12.3	11.9	63.4	70.8	71.1
KENTUCKY	1,272.0	1,297.2	1,297.8	61.1	60.3	59.0	69.5	74.9	69.0	294.1	289.1	291.1
38 Lexington-Fayette	149.1	155.4	155.1	(1)	(1)	(1)	7.7	9.8	9.3	31.6	31.2	31.6
39 Louisville	411.5	412.2	413.1	(1)	(1)	(1)	20.7	20.9	20.4	111.6	103.5	103.4
40 Owensboro	31.2	31.7	32.1	.8	.8	.8	2.5	2.5	2.4	7.1	6.8	6.8
LOUISIANA	1,442.9	1,469.1	1,472.0	77.5	78.5	78.4	118.4	126.9	125.2	212.3	215.8	213.7
42 Alexandria	51.5	52.0	52.1	(1)	(1)	(1)	3.2	3.2	3.1	6.4	6.5	6.2
43 Baton Rouge	190.2	191.0	192.0	1.0	1.0	1.0	25.4	25.1	24.9	25.0	25.3	25.3
44 Lafayette	65.0	70.5	70.3	11.8	12.6	12.8	5.2	7.0	6.8	3.7	4.2	4.2
45 Lake Charles	58.6	59.4	59.8	1.9	1.9	1.9	5.3	5.6	5.8	12.5	12.7	12.7
46 Monroe	50.1	50.2	50.7	.4	.3	.3	4.7	4.8	5.0	8.7	8.4	8.4
47 New Orleans	480.4	486.6	488.1	15.6	16.5	16.5	28.7	29.2	29.3	52.6	52.4	51.9
48 Shreveport	143.7	146.8	147.0	5.5	5.5	5.5	10.1	11.8	11.5	28.5	27.9	27.9
MAINE	410.2	413.1	412.4	(1)	(1)	(1)	18.1	18.8	17.3	113.4	114.4	114.7
50 Lewiston-Auburn	34.6	36.4	36.4	(1)	(1)	(1)	1.2	1.4	1.3	12.4	12.0	12.1
51 Portland	89.5	90.3	89.9	(1)	(1)	(1)	3.6	4.0	3.9	17.0	17.5	17.4
MARYLAND	1,633.6	1,635.0	1,643.5	(1)	(1)	(1)	106.7	106.9	105.0	245.2	248.3	247.3
53 Baltimore	905.6	903.9	907.2	(1)	(1)	(1)	51.9	52.9	52.1	167.2	167.3	166.4
MASSACHUSETTS	2,568.1	2,614.0	2,625.0	(1)	(1)	(1)	74.1	83.9	81.8	665.9	668.6	668.0
55 Boston	1,397.3	1,423.1	1,429.4	(1)	(1)	(1)	38.1	41.9	39.7	287.1	285.3	284.6
56 Brockton	56.2	59.1	58.9	(1)	(1)	(1)	1.8	1.9	1.8	12.7	13.1	13.1
57 Fall River	56.7	57.7	57.9	(1)	(1)	(1)	1.7	1.9	1.9	21.0	20.6	20.9
58 Lawrence-Haverhill	107.9	108.2	108.4	(1)	(1)	(1)	2.7	3.2	2.8	39.9	40.0	40.0
59 Lowell	72.7	76.4	76.8	(1)	(1)	(1)	2.6	3.0	2.7	24.7	26.7	26.9
60 New Bedford	66.4	66.4	66.4	(1)	(1)	(1)	1.8	1.6	1.6	27.2	26.6	26.3
61 Springfield-Chicopee-Holyoke	235.1	241.8	242.1	(1)	(1)	(1)	5.7	6.3	6.3	67.8	70.1	69.3

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			
DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	
9.7	9.8	10.1	19.9	19.3	19.5	4.1	4.2	4.2	13.4	13.9	13.8	15.0	14.6	14.6	1
29.8	30.9	31.1	102.6	106.8	108.4	30.0	30.8	30.8	93.1	103.0	105.0	88.9	81.0	87.1	2
24.5	25.6	25.8	85.7	89.9	91.2	26.2	26.7	26.7	75.2	83.6	85.8	75.9	69.9	74.4	3
20.2	20.2	20.0	86.1	85.5	86.7	22.8	22.9	22.7	57.8	59.3	59.5	71.4	72.0	71.3	4
5.0	5.3	5.3	21.8	20.6	21.0	9.0	9.0	9.0	13.6	14.0	14.0	16.7	17.1	16.9	5
296.5	305.0	301.4	1,126.2	1,118.8	1,135.7	290.7	297.8	299.3	900.3	929.6	928.5	782.7	811.3	815.0	6
3.1	3.1	3.1	12.0	12.1	12.1	7.3	7.5	7.5	7.1	7.3	7.1	11.3	11.9	11.6	7
2.5	2.7	2.7	16.4	17.0	17.0	2.3	2.4	2.4	9.4	9.7	9.6	30.6	31.4	30.9	8
213.4	223.3	(*)	782.9	776.1	(*)	217.2	222.2	(*)	661.0	676.6	(*)	494.4	514.3	(*)	9
198.8	203.5	201.3	732.3	725.7	730.9	208.3	212.5	213.2	626.5	643.1	642.0	463.0	482.5	486.5	10
6.8	7.9	7.9	42.4	42.5	42.9	6.7	6.7	6.8	23.2	23.3	23.2	25.9	25.4	25.6	11
4.6	4.8	4.7	11.6	11.6	11.8	2.5	2.6	2.6	8.4	8.9	8.8	5.4	5.6	5.6	12
1.4	1.5	1.5	7.9	8.1	8.1	1.0	1.0	1.0	6.1	6.3	6.3	6.0	5.8	5.8	13
7.7	8.2	8.2	36.3	37.0	37.2	7.5	7.6	7.6	26.4	27.9	27.9	13.0	13.3	13.3	14
5.3	5.2	5.2	24.9	25.7	26.0	4.0	4.2	4.2	16.0	16.6	16.7	12.1	12.0	12.0	15
4.8	5.0	4.9	19.8	19.9	19.9	6.8	6.8	7.0	15.5	15.8	15.8	24.7	24.6	24.7	16
109.8	110.2	109.9	489.7	488.5	494.8	97.6	100.6	100.9	313.6	330.5	330.0	354.9	370.3	368.2	17
1.5	1.5	1.5	10.9	10.5	10.6	1.7	1.7	1.7	6.8	6.8	6.8	5.5	5.8	5.8	18
6.7	6.8	6.7	30.4	30.8	31.2	4.3	4.4	4.4	23.2	23.5	23.5	12.0	12.2	12.2	19
10.7	11.4	11.2	41.9	43.7	44.0	9.8	10.1	10.2	26.7	27.9	28.0	17.8	18.0	18.0	20
14.6	15.3	15.1	50.6	51.7	52.5	8.9	9.0	9.0	34.5	34.4	34.4	31.4	31.9	32.0	21
30.9	31.6	31.6	129.1	132.6	134.3	34.7	35.7	35.8	84.5	88.5	88.2	87.9	88.3	88.2	22
1.6	1.6	1.6	11.9	12.0	12.1	2.8	2.5	2.5	8.6	9.0	9.0	19.3	20.1	19.6	23
2.2	2.2	2.2	11.7	11.6	11.7	1.5	1.6	1.6	7.3	7.8	7.8	11.2	11.3	11.3	24
5.3	5.2	5.2	27.5	27.8	28.3	5.1	5.2	5.2	23.0	23.7	23.6	12.9	13.2	13.1	25
3.9	4.0	4.0	16.4	16.3	16.3	2.0	2.0	2.0	8.8	9.2	9.2	12.2	12.9	12.6	26
56.3	56.8	57.0	290.4	296.7	299.1	55.8	58.5	58.7	197.9	203.7	202.8	210.5	209.4	209.8	27
3.9	3.9	3.9	18.9	20.5	20.8	4.3	4.5	4.5	14.7	15.2	15.2	9.5	10.2	10.1	28
11.3	11.7	11.7	49.1	49.3	49.9	19.8	20.2	20.2	37.6	37.8	37.6	29.5	29.3	29.5	29
1.6	1.6	1.5	9.5	9.5	9.6	1.3	1.3	1.3	9.4	9.3	9.2	4.0	4.2	4.1	30
4.1	4.0	4.0	13.7	13.7	13.7	2.7	2.8	2.8	11.0	11.7	11.5	6.7	6.5	6.5	31
2.5	2.6	2.6	14.9	14.9	14.9	2.0	2.0	2.0	11.3	10.9	10.9	12.0	12.0	12.1	32
65.2	67.8	67.1	227.4	228.5	233.3	45.6	47.3	47.5	158.0	166.0	166.4	183.5	184.5	184.6	33
1.4	1.5	1.4	5.5	5.7	5.7	.8	.8	.8	3.3	3.5	3.5	10.4	11.0	10.9	34
7.4	7.5	7.5	19.4	19.4	19.7	5.7	6.0	6.0	16.3	17.0	17.1	21.4	21.2	21.1	35
10.1	10.9	10.9	44.1	45.1	44.9	9.1	9.3	9.4	36.0	37.5	37.2	22.9	22.4	22.3	36
69.8	69.6	69.7	283.8	291.3	297.4	49.0	51.4	50.9	204.2	214.1	213.2	240.5	246.5	247.5	37
7.0	7.8	7.9	35.0	35.7	36.1	7.0	7.2	7.3	25.3	29.7	29.2	35.5	34.0	33.7	38
24.7	25.9	25.9	99.3	102.3	103.8	22.1	23.2	23.2	74.4	77.0	76.7	58.5	59.4	59.7	39
2.2	2.3	2.3	7.7	7.8	8.2	1.1	1.2	1.2	5.4	5.9	5.9	4.4	4.4	4.5	40
110.0	110.9	111.9	347.6	348.8	354.9	70.5	73.2	73.3	244.1	246.3	245.7	262.5	268.7	268.9	41
2.5	2.6	2.6	11.6	11.1	11.6	3.2	3.3	3.3	9.4	10.2	10.2	15.2	15.1	15.1	42
9.5	9.8	9.8	40.3	42.5	43.6	10.8	11.0	11.1	27.5	26.8	26.9	50.7	49.5	49.4	43
4.6	4.7	4.8	17.0	18.2	18.3	2.0	2.2	2.3	11.5	12.0	11.6	9.2	9.6	9.5	44
3.1	2.9	3.0	13.1	13.2	13.3	2.6	2.6	2.6	9.5	9.5	9.5	10.6	11.0	11.0	45
2.3	2.4	2.4	13.4	12.7	13.0	3.3	3.4	3.4	7.7	8.4	8.4	9.6	9.8	9.8	46
48.2	49.4	49.7	122.0	121.0	122.9	28.5	30.0	30.0	105.2	106.8	106.5	79.4	81.3	81.3	47
10.1	10.5	10.6	35.3	35.4	36.3	6.5	6.8	6.9	24.2	24.7	24.4	23.5	24.2	23.9	48
18.2	18.7	18.5	91.4	90.4	90.7	15.9	16.2	16.2	69.0	70.6	70.4	84.2	84.0	84.6	49
1.1	1.2	1.2	7.9	8.9	9.0	1.5	1.6	1.6	6.9	7.7	7.7	3.6	3.6	3.5	50
5.3	5.2	5.3	25.0	24.0	23.9	6.8	7.2	7.2	18.4	19.0	18.9	13.4	13.4	13.3	51
87.8	88.6	89.0	396.3	387.5	393.8	87.1	89.9	90.4	323.8	333.8	335.5	386.7	380.0	382.5	52
60.6	63.0	63.4	203.2	196.8	200.0	52.6	54.2	54.5	174.0	177.4	177.7	196.1	192.3	193.1	53
118.9	117.8	118.6	584.5	581.7	593.0	149.0	152.0	152.7	572.9	599.1	599.8	402.8	410.9	411.1	54
70.3	72.1	72.6	317.6	314.9	321.8	102.0	106.0	106.6	379.4	394.7	394.5	202.8	208.2	209.6	55
4.2	4.5	4.5	15.4	15.6	15.5	2.1	2.2	2.2	8.9	9.8	9.9	11.1	12.0	11.9	56
1.9	2.0	2.0	12.6	12.4	12.9	2.6	2.6	2.6	9.2	10.3	9.7	7.7	7.7	7.9	57
4.3	4.5	4.5	23.9	23.0	23.3	3.9	3.8	3.9	16.0	16.4	16.6	17.2	17.3	17.3	58
3.5	3.9	3.9	16.0	16.0	16.2	2.1	2.2	2.2	11.1	11.7	11.7	12.7	12.9	13.2	59
2.4	2.5	2.5	12.4	12.6	12.7	1.9	2.0	2.0	8.6	8.8	8.6	12.1	12.3	12.7	60
9.8	9.9	10.0	50.6	51.6	52.4	12.7	13.0	13.1	44.6	46.7	46.7	43.9	44.2	44.3	61

**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		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
MASSACHUSETTS—Continued												
1 Worcester	164.7	167.7	168.5	(1)	(1)	(1)	4.6	5.1	4.7	48.2	48.6	48.7
2 MICHIGAN	(*)	3,581.4	3,602.3	(*)	11.8	11.4	(*)	152.2	141.2	(*)	1,075.7	1,090.9
3 Ann Arbor	(*)	141.0	142.3	(*)	(1)	(1)	(*)	3.2	3.0	(*)	41.9	43.9
4 Battle Creek	(*)	67.6	66.9	(*)	(1)	(1)	(*)	2.2	1.9	(*)	22.6	22.2
5 Bay City	(*)	37.1	36.7	(*)	(1)	(1)	(*)	1.5	1.4	(*)	11.6	11.0
6 Detroit	(*)	1,767.7	1,792.3	(*)	1.2	1.2	(*)	66.1	62.2	(*)	543.0	562.1
7 Flint	(*)	202.1	200.7	(*)	(1)	(1)	(*)	6.5	6.4	(*)	84.7	81.2
8 Grand Rapids	(*)	264.5	262.9	(*)	(1)	(1)	(*)	13.7	12.4	(*)	90.6	89.1
9 Jackson	(*)	55.0	54.7	(*)	(1)	(1)	(*)	2.0	1.9	(*)	16.1	16.0
10 Kalamazoo-Portage	(*)	111.4	111.0	(*)	(1)	(1)	(*)	5.2	4.9	(*)	35.1	34.7
11 Lansing-East Lansing	(*)	200.1	199.1	(*)	(1)	(1)	(*)	7.1	6.5	(*)	44.9	44.3
12 Muskegon-Norton Shores-Musk. Hgts.	(*)	62.3	61.0	(*)	(1)	(1)	(*)	3.0	2.8	(*)	22.7	21.7
13 Saginaw	(*)	90.2	91.0	(*)	(1)	(1)	(*)	3.2	3.1	(*)	33.3	33.1
14 MINNESOTA	1,725.3	1,795.8	1,790.1	16.6	17.4	16.8	78.4	95.6	84.3	365.8	382.1	379.9
15 Duluth-Superior	63.3	64.7	64.4	(1)	(1)	(1)	2.5	2.9	2.3	8.4	8.6	8.7
16 Minneapolis-St. Paul	1,048.2	1,087.5	1,088.0	(1)	(1)	(1)	44.2	55.0	49.0	236.1	244.6	244.1
17 MISSISSIPPI	835.6	836.9	838.0	8.9	9.4	9.4	47.4	48.3	47.3	236.7	231.2	229.2
18 Jackson	144.2	146.9	147.2	1.1	1.2	1.2	8.6	9.3	9.0	19.1	19.0	19.1
19 MISSOURI	1,952.1	1,965.8	1,967.8	8.1	8.6	8.6	79.0	87.9	82.1	458.1	437.8	445.7
20 Kansas City	624.4	626.5	628.7	.5	.5	.5	27.5	30.9	29.5	126.5	125.1	126.9
21 St. Joseph	36.1	35.9	35.7	(2)	(2)	(2)	1.7	2.0	1.9	9.1	8.7	8.7
22 St. Louis	985.1	965.8	975.5	2.5	2.6	2.6	43.5	45.0	44.3	255.5	239.6	247.1
23 Springfield	82.9	83.7	83.8	(2)	(2)	(2)	3.2	4.0	3.7	18.0	18.0	18.0
24 MONTANA	283.9	290.1	289.5	7.3	8.0	8.0	14.8	15.9	14.7	26.8	27.1	26.7
25 Billings	46.9	49.5	49.6	(1)	(1)	(1)	2.4	2.8	2.6	4.3	4.7	4.8
26 Great Falls	30.1	30.5	30.2	(1)	(1)	(1)	1.6	1.9	1.6	1.7	1.8	1.7
27 NEBRASKA	605.4	619.5	618.5	1.5	1.6	1.5	29.3	32.9	30.1	94.7	97.1	97.3
28 Lincoln	100.7	101.4	102.3	(2)	(2)	(2)	4.3	4.7	4.3	14.2	13.5	14.0
29 Omaha	255.0	263.0	262.6	(2)	(2)	(2)	10.8	11.9	10.9	35.6	37.0	36.8
30 NEVADA	366.5	383.9	382.7	3.8	4.2	4.2	27.4	25.3	24.5	18.8	20.1	20.1
31 Las Vegas	196.7	206.3	205.7	.3	.3	.3	14.4	13.3	12.8	6.8	7.3	7.3
32 Reno	109.0	114.0	113.9	.5	.6	.6	8.6	7.5	7.3	8.3	8.6	8.6
33 NEW HAMPSHIRE	372.3	387.8	(*)	.4	.5	(*)	20.1	22.2	(*)	112.3	114.5	(*)
34 Manchester	74.1	75.7	(*)	(2)	(2)	(*)	3.7	3.8	(*)	19.1	18.6	(*)
35 Nashua	57.1	61.2	(*)	(2)	(2)	(*)	2.8	3.3	(*)	25.8	27.6	(*)
36 NEW JERSEY	3,015.4	3,058.0	3,065.5	2.5	2.5	2.5	113.1	121.8	117.1	795.0	797.8	796.1
37 Atlantic City	70.6	84.8	85.2	-	-	-	3.5	7.4	6.7	8.5	7.8	7.5
38 Camden	332.0	333.2	335.0	.1	.1	.1	14.1	14.0	13.5	71.2	71.8	71.5
39 Hackensack	400.4	394.8	399.3	(1)	(1)	(1)	12.6	14.1	13.3	114.0	109.9	112.7
40 Jersey City	234.9	234.0	234.7	-	-	-	3.8	4.3	4.1	71.5	70.7	71.3
41 Long Branch-Asbury Park	152.7	154.8	154.2	(1)	(1)	(1)	6.4	5.4	5.0	23.2	24.3	24.0
42 New Bruns. Perth Amboy-Sayreville	283.7	287.3	290.3	(1)	(1)	(1)	11.2	11.1	10.7	90.5	88.3	90.6
43 Newark	941.7	954.5	955.4	.9	.9	.9	35.1	35.9	34.7	252.9	258.9	257.4
44 Paterson-Clifton-Passaic	197.3	198.7	196.9	(1)	(1)	(1)	6.5	6.9	5.3	68.8	70.5	69.3
45 Trenton	165.3	167.3	165.7	(1)	(1)	(1)	3.0	3.2	3.0	37.5	36.1	35.0
46 Vineland-Millville-Bridgeton	57.3	58.8	58.4	(1)	(1)	(1)	1.8	1.8	1.4	19.4	19.3	19.2
47 NEW MEXICO	456.9	474.1	476.5	25.7	27.3	27.5	35.5	36.1	35.1	34.0	35.6	35.5
48 Albuquerque	182.4	189.5	190.0	(1)	(1)	(1)	14.9	15.1	14.8	17.5	18.3	18.3
49 NEW YORK	7,143.4	7,172.7	7,181.0	5.9	7.1	6.6	199.8	209.2	197.7	1,498.1	1,502.1	1,487.4
50 Albany-Schenectady-Troy	331.7	331.8	331.4	(1)	(1)	(1)	10.2	11.0	10.3	61.4	58.0	58.1
51 Binghamton	119.2	119.3	119.7	(1)	(1)	(1)	4.3	5.4	4.7	42.8	41.8	42.5
52 Buffalo	517.9	519.5	517.9	(1)	(1)	(1)	18.3	19.9	18.6	146.5	143.7	142.0
53 Elmira	37.9	38.2	37.9	(1)	(1)	(1)	1.3	1.4	1.1	11.8	11.9	11.8
54 Monroe County	338.3	339.8	339.8	(1)	(1)	(1)	9.5	9.8	8.9	134.2	133.7	133.7
55 Nassau-Suffolk	882.5	884.5	888.7	(1)	(1)	(1)	34.0	33.8	33.0	160.5	163.6	163.8
56 New York-Northeastern New Jersey	6,637.6	6,662.7	(*)	3.0	3.0	(*)	187.7	194.4	(*)	1,380.5	1,391.3	(*)
57 New York and Nassau-Suffolk	4,579.7	4,593.3	4,606.8	1.7	1.8	1.8	118.5	122.1	119.5	782.7	792.7	779.2
58 New York SMSA	3,697.2	3,708.9	3,718.1	1.5	1.6	1.6	84.5	88.3	86.5	622.2	629.1	615.4
59 New York City	3,268.9	3,275.3	3,281.5	1.3	1.3	1.3	68.2	71.3	70.2	532.3	537.5	523.4
60 Poughkeepsie	94.1	95.7	95.6	(1)	(1)	(1)	3.0	3.3	3.1	31.2	31.8	31.8
61 Rochester	414.4	418.6	417.5	(1)	(1)	(1)	11.2	12.1	10.9	155.5	155.4	155.0

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			
DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	
7.2	7.3	7.4	36.3	37.9	38.8	8.5	8.8	8.8	32.5	33.0	33.0	27.4	27.0	27.1	1
(*)	155.0	155.4	(*)	761.2	777.4	(*)	150.6	151.7	(*)	640.1	640.1	(*)	634.8	634.1	2
(*)	3.7	3.7	(*)	21.2	21.4	(*)	3.7	3.7	(*)	21.4	21.5	(*)	45.9	45.1	3
(*)	2.4	2.4	(*)	11.9	12.0	(*)	3.8	3.8	(*)	11.6	11.7	(*)	12.9	12.9	4
(*)	1.7	1.7	(*)	8.4	8.8	(*)	1.3	1.3	(*)	6.5	6.5	(*)	6.1	6.0	5
(*)	85.3	85.6	(*)	369.6	378.2	(*)	86.0	86.7	(*)	351.4	352.1	(*)	265.1	264.2	6
(*)	6.8	6.7	(*)	41.8	43.9	(*)	5.8	5.8	(*)	29.3	29.3	(*)	27.2	27.4	7
(*)	10.2	10.2	(*)	61.4	62.5	(*)	9.9	9.9	(*)	46.7	46.7	(*)	31.8	31.9	8
(*)	5.2	5.1	(*)	11.3	11.6	(*)	1.5	1.5	(*)	10.2	10.0	(*)	8.7	8.6	9
(*)	3.7	3.8	(*)	21.9	22.2	(*)	4.0	4.0	(*)	20.1	20.0	(*)	21.3	21.3	10
(*)	5.6	5.6	(*)	36.8	37.6	(*)	9.2	9.2	(*)	26.8	27.0	(*)	69.7	68.9	11
(*)	2.9	2.9	(*)	11.9	12.0	(*)	1.8	1.8	(*)	9.1	9.0	(*)	10.8	10.7	12
(*)	4.8	4.8	(*)	18.2	18.9	(*)	3.9	4.0	(*)	13.8	13.8	(*)	13.0	13.3	13
99.0	102.7	102.6	442.7	449.0	456.3	88.5	92.4	92.8	338.9	355.6	356.8	295.5	301.0	300.7	14
7.2	6.9	6.4	17.4	18.0	18.2	2.2	2.4	2.4	12.3	12.5	12.8	13.3	13.5	13.7	15
63.3	66.9	67.3	266.4	270.0	275.5	65.9	68.6	69.0	217.7	226.8	227.9	154.6	155.6	155.2	16
38.7	41.3	40.6	167.8	166.1	169.6	31.9	32.2	32.1	116.9	121.0	120.9	187.3	187.4	188.5	17
8.9	9.0	9.0	36.2	36.8	37.4	11.0	11.0	11.0	27.4	28.3	28.2	31.9	32.3	32.3	18
137.4	137.8	136.8	474.8	478.8	482.8	102.8	104.8	104.6	347.9	359.3	356.9	344.0	350.8	350.3	19
54.2	52.5	52.3	160.5	158.1	160.6	42.0	42.7	42.8	121.0	124.7	124.1	92.2	92.0	92.0	20
2.2	2.1	2.1	9.3	9.2	9.2	1.8	1.8	1.9	6.1	6.1	6.0	5.9	6.0	5.9	21
69.7	68.6	70.3	227.0	220.5	222.9	53.4	54.6	54.4	193.4	196.1	195.5	140.1	138.8	138.4	22
6.4	6.5	6.5	23.7	23.6	23.6	3.3	3.3	3.3	16.3	16.1	16.4	12.0	12.2	12.3	23
22.6	23.6	23.7	75.8	76.1	76.6	12.6	12.9	12.9	53.1	54.5	55.0	70.8	72.1	72.1	24
4.5	5.0	5.0	16.2	16.5	16.5	2.3	2.4	2.4	9.6	10.2	10.2	7.6	8.0	8.1	25
1.9	1.9	1.9	10.1	10.0	10.1	2.1	2.1	2.1	6.7	6.8	6.8	5.9	6.0	6.0	26
45.1	46.5	46.2	158.4	159.9	161.3	39.5	40.9	41.2	108.9	113.6	113.5	128.0	127.0	127.4	27
6.9	7.1	7.1	22.7	23.4	23.8	6.9	7.0	7.0	16.9	16.5	16.4	28.8	29.2	29.7	28
23.2	24.2	24.0	68.8	69.5	70.2	23.1	24.1	24.2	54.1	56.5	56.8	39.4	39.8	39.7	29
22.8	24.3	24.4	74.8	79.7	81.1	15.3	15.7	15.8	150.3	159.1	156.8	53.3	55.5	55.8	30
12.9	13.7	13.8	42.5	46.0	46.7	8.3	8.5	8.6	87.4	91.8	90.6	24.1	25.4	25.6	31
7.4	7.9	7.8	22.7	23.8	24.5	5.6	5.8	5.8	41.0	44.2	43.6	14.9	15.6	15.7	32
13.6	13.9	(*)	84.9	89.7	(*)	18.0	18.9	(*)	65.2	68.9	(*)	57.8	59.2	(*)	33
4.6	4.9	(*)	19.8	20.3	(*)	5.3	5.6	(*)	13.4	13.9	(*)	8.2	8.6	(*)	34
1.8	1.8	(*)	11.6	12.5	(*)	1.8	1.9	(*)	7.7	8.3	(*)	5.6	5.8	(*)	35
191.2	192.6	192.0	696.1	689.1	700.9	149.5	152.4	153.3	547.6	577.1	577.8	520.4	524.7	525.8	36
3.5	3.6	3.6	18.4	18.7	18.6	4.5	4.7	4.7	16.5	26.2	27.6	15.7	16.4	16.5	37
15.7	15.6	15.8	87.7	85.2	87.2	15.2	16.0	16.0	64.6	66.7	66.8	63.3	63.8	64.1	38
21.1	20.0	20.1	120.6	114.8	116.7	15.3	15.9	16.0	72.4	76.4	76.7	44.4	43.7	43.8	39
27.5	27.3	26.8	46.7	46.4	47.5	8.5	9.0	9.0	30.7	30.6	29.9	46.2	45.7	46.1	40
6.2	6.3	6.2	40.5	41.1	41.8	7.0	7.1	7.1	36.7	38.1	37.5	32.7	32.5	32.6	41
20.7	23.2	23.5	68.3	69.2	70.3	9.4	9.8	9.7	38.4	39.7	39.6	45.0	46.0	45.9	42
70.7	70.2	69.6	187.5	184.2	188.0	62.5	62.3	62.5	182.9	190.7	191.1	149.2	151.4	151.2	43
7.7	7.2	7.0	44.9	44.3	45.5	9.3	9.7	9.8	31.6	33.0	33.0	28.5	27.1	27.0	44
6.0	5.8	5.9	27.2	27.1	28.1	6.7	6.8	6.9	39.1	40.5	39.3	45.8	47.8	47.5	45
3.1	3.0	3.0	9.8	9.8	9.9	2.4	2.4	2.4	8.5	9.2	9.0	12.3	13.3	13.5	46
28.1	29.1	29.2	106.3	110.1	112.4	20.4	21.5	21.5	88.1	88.9	89.7	118.8	125.5	125.6	47
11.1	12.1	12.2	47.6	48.9	49.7	10.3	11.1	11.1	40.5	41.9	42.0	40.5	42.1	41.9	48
434.6	434.6	433.0	1,518.1	1,493.8	1,520.9	589.1	596.1	597.0	1,592.7	1,636.9	1,636.6	1,305.0	1,293.0	1,301.7	49
15.5	15.5	15.5	68.9	67.9	68.4	14.9	15.1	15.2	65.1	66.8	66.7	95.5	97.4	97.2	50
4.7	4.6	4.6	22.9	22.5	22.8	3.6	3.7	3.7	17.6	17.9	17.9	23.3	23.3	23.4	51
28.8	28.9	28.7	118.7	118.7	120.1	21.6	22.1	22.1	93.9	95.7	95.3	90.0	90.4	91.1	52
1.4	1.4	1.4	8.5	8.3	8.4	1.0	1.0	1.0	6.8	7.1	7.1	7.0	7.0	7.0	53
10.1	9.9	9.8	65.6	63.5	64.5	14.6	15.1	15.1	63.8	67.2	66.7	40.6	40.7	40.9	54
37.6	37.5	37.4	237.1	232.4	237.5	47.7	48.3	48.2	185.0	189.3	187.5	180.6	179.6	181.4	55
467.1	465.1	(*)	1,454.2	1,423.7	(*)	591.9	598.3	(*)	1,474.7	1,513.0	(*)	1,078.5	1,073.9	(*)	56
319.4	317.4	317.7	986.0	964.2	983.8	486.9	491.8	492.7	1,119.1	1,142.6	1,145.2	765.3	760.7	767.1	57
281.8	280.0	280.3	748.9	731.8	746.3	439.2	443.5	444.5	934.4	953.6	957.9	584.7	581.0	585.7	58
260.0	258.0	258.4	646.1	629.0	641.1	419.7	423.9	424.9	834.7	852.7	856.2	506.6	501.6	505.9	59
3.0	3.0	2.9	16.0	15.9	16.0	2.5	2.6	2.6	16.6	16.7	16.6	22.0	22.5	22.5	60
13.1	12.9	12.8	82.6	80.9	82.0	16.3	16.8	16.9	74.6	78.5	77.6	61.2	62.1	62.3	61

**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		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
NEW YORK—Continued												
1 Rockland County ⁹	78.2	79.2	79.4	(1)	(1)	(1)	2.3	2.4	2.1	15.6	15.5	15.6
2 Syracuse	262.2	261.4	262.5	(1)	(1)	(1)	10.5	11.0	9.9	61.2	56.8	59.4
3 Utica-Rome	115.5	117.6	117.0	(1)	(1)	(1)	2.8	3.7	3.4	32.1	32.2	32.1
4 Westchester County ⁹	337.8	342.2	345.0	(1)	(1)	(1)	13.2	13.8	13.4	73.0	74.9	75.1
5 NORTH CAROLINA	2,318.9	2,376.1	2,377.5	4.9	4.7	4.8	113.6	124.8	122.2	813.4	814.1	812.7
6 Asheville	68.6	69.0	68.8	(1)	(1)	(1)	3.5	3.2	3.1	21.8	21.6	21.4
7 Charlotte-Gastonia	314.8	318.4	319.3	(1)	(1)	(1)	16.1	16.2	16.1	87.9	88.5	88.6
8 Greensboro—Winston-Salem—High Pt.	380.6	385.6	386.5	(1)	(1)	(1)	16.3	15.3	15.1	146.5	146.5	148.4
9 Raleigh-Durham	254.0	263.0	263.4	(1)	(1)	(1)	12.8	12.8	12.7	40.1	42.1	42.1
10 NORTH DAKOTA⁴	238.5	249.3	247.4	4.6	5.8	5.8	16.6	20.4	17.3	16.2	16.4	16.9
11 Fargo-Moorhead ⁴	62.6	63.8	64.1	(2)	(2)	(2)	4.2	4.8	4.2	5.3	4.4	5.3
12 OHIO	4,495.0	4,521.5	4,525.5	32.5	31.8	31.4	180.0	198.9	186.7	1,405.8	1,357.7	1,355.1
13 Akron	270.4	274.1	274.8	.3	.4	.3	8.8	9.7	8.9	85.7	83.0	82.8
14 Canton	158.4	160.9	159.9	1.1	1.2	1.1	6.8	7.3	6.8	58.0	56.4	55.4
15 Cincinnati	610.5	628.0	629.9	.4	.4	.4	26.9	29.4	27.8	174.6	173.9	173.8
16 Cleveland	929.1	922.1	924.1	1.5	1.6	1.6	32.6	35.8	33.7	284.3	275.7	275.2
17 Columbus	510.4	524.6	525.5	.9	.9	.9	20.8	23.5	21.9	102.8	99.6	99.1
18 Dayton	369.0	370.3	370.7	.5	.5	.5	14.2	16.2	15.2	115.1	106.6	105.8
19 Toledo	310.9	312.2	312.4	.6	.6	.6	12.2	13.1	12.4	92.6	87.5	87.1
20 Youngstown-Warren	216.1	218.6	219.7	.5	.5	.5	8.5	9.2	8.5	80.5	79.6	79.9
21 OKLAHOMA	1,051.8	1,098.1	1,105.2	56.1	60.6	61.3	55.6	59.3	58.4	175.8	184.8	185.2
22 Oklahoma City	373.8	399.5	403.0	13.2	13.7	14.2	20.2	20.9	20.5	49.0	57.6	57.8
23 Tulsa	274.7	281.5	281.9	17.8	18.4	18.4	14.4	14.2	14.1	57.7	60.3	60.2
24 OREGON	1,026.5	1,075.3	1,065.3	1.9	2.4	2.4	51.6	55.9	53.8	217.9	231.3	225.0
25 Eugene-Springfield	105.5	104.9	103.6	(1)	(1)	(1)	6.0	5.4	5.2	21.3	20.9	20.5
26 Jackson County	-	-	-	-	-	-	-	-	-	7.6	7.8	7.8
27 Portland	539.9	552.9	550.9	(1)	(1)	(1)	28.1	28.7	27.3	108.5	116.6	115.2
28 Salem	85.8	92.1	(*)	(1)	(1)	(*)	4.6	5.0	(*)	12.8	14.8	(*)
29 PENNSYLVANIA	4,734.8	4,748.1	4,742.0	52.9	51.9	51.2	192.5	198.3	187.9	1,371.2	1,368.3	1,364.9
30 Allentown-Bethlehem-Easton	262.0	263.0	263.6	(1)	(1)	(1)	9.0	8.8	8.8	110.5	110.9	110.6
31 Altoona	51.9	52.8	52.5	(1)	(1)	(1)	2.0	2.2	2.2	13.2	13.2	13.1
32 Delaware Valley ¹⁰	1,574.9	1,583.6	1,583.9	(1)	(1)	(1)	56.5	62.3	60.6	382.9	384.7	385.1
33 Erie	116.4	116.7	117.0	(1)	(1)	(1)	4.5	3.5	3.3	44.5	44.5	44.5
34 Harrisburg	216.6	213.0	212.8	(1)	(1)	(1)	9.0	8.3	7.9	42.7	43.0	43.0
35 Johnstown	88.1	90.6	89.4	9.1	8.9	8.9	2.7	3.1	2.8	20.2	20.1	20.0
36 Lancaster	150.8	152.1	152.1	(1)	(1)	(1)	8.4	8.4	8.2	59.5	59.5	59.5
37 Northeast Pennsylvania	241.2	240.8	239.7	1.2	1.3	1.2	12.5	12.4	12.0	71.3	70.2	69.2
38 Philadelphia SMSA	1,907.2	1,916.8	1,919.0	(1)	(1)	(1)	70.6	76.3	74.2	454.1	456.6	456.6
39 Philadelphia City ¹¹	804.3	805.7	807.0	(1)	(1)	(1)	17.8	19.5	19.2	151.0	147.3	148.0
40 Pittsburgh	944.7	950.3	944.9	11.7	10.9	10.6	48.1	49.0	45.4	252.8	252.3	250.2
41 Reading	139.6	143.0	142.7	(1)	(1)	(1)	5.3	5.6	5.5	54.5	54.8	54.7
42 Scranton ¹²	87.4	87.9	87.0	(1)	(1)	(1)	2.0	2.2	2.4	28.5	29.3	28.4
43 Wilkes-Barre—Hazleton ¹³	125.1	123.9	124.0	1.1	1.2	1.1	9.1	8.7	8.3	38.2	36.4	36.3
44 Williamsport	50.3	49.4	48.7	(1)	(1)	(1)	1.9	2.2	1.7	18.4	17.1	16.9
45 York	152.6	152.0	151.4	(1)	(1)	(1)	7.2	7.0	6.8	64.4	63.6	63.1
46 RHODE ISLAND	408.3	406.5	405.9	(1)	(1)	(1)	15.3	14.2	14.1	137.6	136.4	134.9
47 Providence-Warwick-Pawtucket	420.3	417.1	416.0	(1)	(1)	(1)	15.5	14.4	14.3	154.3	152.5	151.0
48 SOUTH CAROLINA	1,153.2	1,174.4	1,177.0	1.9	1.9	1.9	65.6	64.5	64.2	394.7	393.0	392.9
49 Charleston-North Charleston	142.4	145.5	145.5	(1)	(1)	(1)	11.2	11.2	11.2	19.4	19.3	19.3
50 Columbia	174.8	178.2	177.9	(1)	(1)	(1)	8.3	7.7	7.6	26.0	26.9	26.3
51 Greenville-Spartanburg	259.0	259.2	260.1	(1)	(1)	(1)	15.0	16.2	16.0	105.8	103.6	103.8
52 SOUTH DAKOTA⁴	240.5	241.8	240.0	2.6	3.0	2.9	12.1	12.8	11.3	26.1	27.8	26.9
53 Rapid City ⁴	28.9	29.8	30.1	(2)	(2)	(2)	2.5	2.7	2.5	2.9	3.2	3.2
54 Sioux Falls ⁴	55.4	53.8	53.5	(2)	(2)	(2)	3.1	2.7	2.4	7.7	7.7	7.4
55 TENNESSEE	1,749.6	1,738.3	1,738.3	10.2	10.1	10.1	91.1	95.9	93.7	527.7	515.1	514.2
56 Chattanooga	169.0	168.0	(*)	1.3	1.4	(*)	6.9	6.8	(*)	55.6	53.5	(*)
57 Knoxville	199.2	197.4	196.2	1.5	1.3	1.3	12.6	12.1	11.8	54.2	53.0	52.7
58 Memphis	354.6	354.2	354.0	.1	.2	.2	13.3	14.4	14.1	63.2	61.0	60.5
59 Nashville-Davidson	358.5	355.4	353.0	(1)	(1)	(1)	21.9	21.4	21.1	82.1	80.7	78.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	
3.4	3.4	3.4	17.4	17.5	17.8	2.4	2.4	2.4	16.4	16.6	16.7	20.8	21.4	21.4	1
14.6	15.0	14.7	59.2	59.6	59.9	15.2	15.4	15.5	52.4	53.8	53.2	49.0	49.6	49.8	2
4.0	4.1	4.1	22.2	22.1	22.2	5.4	5.4	5.4	19.3	20.6	20.4	29.6	29.4	29.4	3
17.8	17.9	17.8	82.3	82.1	84.1	16.6	16.8	16.8	81.1	82.2	82.8	53.7	54.6	55.0	4
109.5	114.1	113.6	465.3	473.6	480.1	85.8	90.0	90.2	316.4	334.5	334.9	410.0	420.3	419.0	5
3.4	3.6	3.6	14.6	14.2	14.4	2.3	2.2	2.3	11.5	12.6	12.5	11.5	11.6	11.5	6
29.0	29.9	29.7	78.9	80.4	81.3	19.8	19.9	19.9	45.7	46.5	46.7	37.4	37.0	37.0	7
21.0	21.3	21.4	79.5	79.8	80.8	17.3	17.7	17.7	54.3	56.2	56.1	45.7	46.8	47.0	8
12.5	13.3	13.3	51.3	51.6	52.7	14.6	14.9	15.0	52.2	55.8	55.8	70.5	72.5	71.8	9
15.6	16.5	16.3	67.4	69.2	69.9	10.7	11.1	11.2	46.8	48.4	48.7	60.6	61.5	61.3	10
4.2	4.2	4.1	19.3	19.5	19.7	3.6	3.8	3.8	13.4	14.1	14.1	12.6	13.0	12.5	11
233.3	239.0	239.0	1,001.5	1,011.6	1,029.2	194.8	203.2	204.1	779.9	828.4	824.9	667.3	650.9	655.1	12
14.5	15.2	15.2	61.9	63.3	64.4	9.2	9.7	9.7	46.0	49.3	49.3	43.8	43.5	44.1	13
7.4	7.5	7.6	34.9	36.1	36.7	5.6	5.9	5.9	27.4	29.2	29.0	17.1	17.2	17.3	14
34.8	36.4	36.5	143.9	146.5	149.4	31.0	32.3	32.5	115.5	127.1	127.8	83.3	82.0	81.6	15
48.9	50.3	50.5	218.7	219.9	224.5	45.8	46.5	46.7	181.3	192.0	190.7	116.0	100.3	101.3	16
26.3	27.5	27.5	126.7	129.8	131.9	35.2	37.2	37.5	97.1	104.0	103.2	100.5	102.1	103.6	17
13.4	14.3	14.4	79.3	80.4	82.2	12.8	13.1	13.1	66.8	71.6	71.2	66.9	67.6	68.3	18
21.4	22.0	21.9	71.0	72.5	73.8	10.2	10.6	10.6	56.2	59.6	59.3	46.7	46.3	46.7	19
10.2	10.5	10.5	47.8	48.7	49.8	6.8	7.0	7.0	35.0	36.9	36.9	26.3	26.2	26.5	20
61.9	64.0	64.0	255.5	260.5	265.8	51.0	53.1	53.2	173.0	184.3	184.9	222.9	231.5	232.4	21
21.9	22.5	22.5	93.3	97.8	100.1	23.2	24.3	24.3	63.7	67.9	68.4	89.3	94.8	95.2	22
20.5	21.7	21.7	68.0	67.7	68.7	13.9	14.2	14.3	53.1	55.5	55.0	29.3	29.5	29.5	23
59.3	61.1	60.7	254.7	264.7	265.3	65.9	70.3	70.1	174.1	185.3	185.3	201.1	204.3	202.7	24
5.4	5.5	5.4	26.2	26.0	26.0	5.1	5.2	5.2	18.2	18.5	18.3	23.3	23.4	23.0	25
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
35.0	35.7	35.5	141.2	140.9	142.1	41.7	43.2	43.0	101.9	103.7	104.0	83.5	84.1	83.8	27
3.3	3.2	(*)	18.9	19.1	(*)	5.3	5.5	(*)	14.1	14.8	(*)	26.8	29.7	(*)	28
269.6	270.4	266.1	1,008.0	985.4	991.5	231.1	237.7	237.8	901.9	930.7	928.0	707.6	705.4	714.6	29
13.8	14.4	14.4	50.4	50.3	50.8	8.4	8.5	8.6	39.4	40.4	40.5	30.5	29.7	29.9	30
8.1	7.5	7.3	11.8	12.6	12.8	1.3	1.3	1.3	8.3	8.7	8.6	7.2	7.3	7.2	31
84.0	82.6	81.2	342.2	337.0	340.5	105.7	107.6	107.5	369.8	372.1	370.8	233.8	237.3	238.2	32
5.4	5.2	5.2	23.5	25.1	25.4	4.4	4.5	4.5	19.6	19.6	19.5	14.5	14.3	14.6	33
15.9	16.1	16.0	45.6	43.5	43.8	12.2	11.9	11.9	34.8	35.1	34.9	56.4	55.1	55.3	34
5.3	5.7	5.5	17.2	17.4	17.4	3.6	3.8	3.8	15.1	15.3	15.3	14.9	16.3	15.7	35
6.4	6.5	6.2	34.9	35.3	35.6	5.2	5.5	5.5	20.8	21.6	21.6	15.2	15.3	15.5	36
13.3	13.7	13.5	54.5	52.3	53.1	9.4	9.4	9.4	40.3	42.2	41.9	38.7	39.3	39.4	37
99.7	98.2	97.0	430.3	422.2	427.7	120.9	123.6	123.6	434.7	438.8	437.7	296.9	301.1	302.2	38
56.3	56.1	55.2	160.1	156.9	158.2	68.8	69.5	69.2	207.6	209.7	210.0	142.7	146.7	147.2	39
57.6	58.8	58.0	214.4	215.8	218.0	43.9	44.5	44.4	197.6	197.9	196.6	118.6	121.1	121.7	40
6.5	6.5	6.4	27.8	28.5	28.7	5.8	6.1	6.1	22.4	23.8	23.6	17.3	17.7	17.7	41
4.7	4.8	4.7	20.6	20.0	19.9	3.4	3.4	3.4	16.5	16.7	16.8	11.7	11.5	11.4	42
6.7	6.8	6.8	28.6	27.2	27.8	5.2	5.2	5.3	17.5	18.6	18.5	18.7	19.8	19.9	43
2.5	2.5	2.5	10.9	10.8	10.8	1.9	2.0	2.0	7.6	7.9	7.9	7.1	6.9	6.9	44
7.0	6.6	6.5	32.2	31.8	32.0	3.9	4.2	4.3	19.2	19.7	19.8	18.7	18.9	18.5	45
13.6	13.3	13.3	84.1	82.3	83.4	20.2	20.8	20.9	76.4	78.4	78.3	60.9	61.1	61.0	46
13.5	13.2	13.2	85.5	82.9	83.6	20.5	21.0	21.1	73.2	75.2	75.1	57.8	57.9	57.7	47
50.6	52.2	51.6	222.0	226.4	231.5	44.5	46.7	46.9	145.0	157.0	156.2	228.9	232.7	231.8	48
8.5	8.9	8.7	31.5	31.5	31.9	5.9	6.1	6.0	21.6	23.7	23.8	44.3	44.8	44.6	49
8.8	9.3	9.3	39.3	39.5	39.5	13.0	13.7	13.8	26.1	26.5	26.7	53.3	54.6	54.7	50
10.3	10.1	10.1	51.8	50.6	51.8	8.8	8.8	8.8	33.3	35.3	35.2	34.0	34.6	34.4	51
14.1	13.8	13.8	67.2	66.5	66.7	10.7	11.3	11.4	48.8	48.1	48.2	58.9	58.5	58.8	52
2.0	1.9	1.9	8.8	9.2	9.2	1.4	1.3	1.3	5.7	5.6	6.0	5.6	5.9	6.0	53
5.3	5.0	4.9	17.0	16.3	16.7	3.3	3.4	3.4	12.2	12.0	11.9	6.8	6.7	6.8	54
83.4	83.4	83.2	387.9	371.9	375.5	73.1	74.7	74.8	266.6	274.4	274.3	309.6	312.8	312.5	55
6.7	6.9	(*)	31.3	29.7	(*)	9.5	9.8	(*)	26.4	26.4	(*)	31.3	33.5	(*)	56
7.7	7.9	7.8	42.8	41.9	42.2	8.0	8.2	8.2	30.3	30.7	30.5	42.1	42.3	41.7	57
25.8	26.3	26.1	97.3	94.6	95.5	18.8	19.1	19.2	68.1	69.8	69.7	68.0	68.8	68.7	58
19.2	19.5	19.5	82.5	75.0	79.4	22.2	22.6	22.6	66.6	67.0	66.7	64.0	65.2	65.0	59

**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		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
1 TEXAS	5,407.7	5,621.2	5,638.8	185.5	200.0	202.1	387.8	410.4	404.9	980.0	1,011.1	1,009.1
2 Amarillo	72.7	75.0	75.4	(1)	(1)	(1)	5.0	5.6	5.7	9.0	9.7	9.8
3 Austin	221.5	230.5	229.5	(1)	(1)	(1)	13.0	14.6	14.3	27.2	28.2	27.9
4 Beaumont-Port Arthur-Orange	147.2	145.1	145.4	(1)	(1)	(1)	15.8	14.8	14.5	41.6	42.2	42.2
5 Corpus Christi	112.7	114.2	113.8	5.0	5.3	5.3	12.3	11.7	11.6	13.8	13.9	14.1
6 Dallas-Fort Worth	1,325.6	1,391.6	1,401.5	20.5	21.6	21.9	70.3	75.8	74.9	294.0	306.6	307.6
7 El Paso	153.4	157.3	157.6	(1)	(1)	(1)	8.9	8.3	8.5	31.1	31.1	31.1
8 Galveston-Texas City	67.9	68.0	68.0	(1)	(1)	(1)	4.8	4.9	4.9	12.0	12.1	12.1
9 Houston	1,297.3	1,341.2	1,342.1	62.0	63.9	63.9	139.0	140.3	136.9	212.6	220.4	220.4
10 Lubbock	90.6	90.2	90.7	(1)	(1)	(1)	5.5	5.5	5.4	12.5	12.9	12.9
11 San Antonio	369.6	376.4	378.4	1.9	1.9	1.9	23.2	25.2	25.1	47.1	47.8	48.0
12 Waco	66.9	69.2	69.3	(1)	(1)	(1)	3.4	3.3	3.2	16.1	17.5	17.5
13 Wichita Falls	49.9	50.7	51.0	2.6	2.5	2.5	2.4	2.8	2.8	9.1	9.5	9.3
14 UTAH ⁴	543.5	573.8	574.2	17.1	18.2	18.2	32.7	36.0	33.4	84.9	90.9	91.3
15 Salt Lake City-Ogden ⁴	388.5	407.7	409.5	7.2	7.7	7.7	22.8	25.1	23.4	58.2	61.3	61.9
16 VERMONT ⁴	197.4	199.8	202.6	.8	.7	.8	10.1	11.4	10.9	49.5	51.1	51.3
17 Burlington ^{4, 14}	54.8	57.0	56.8	-	-	-	-	-	-	13.3	14.4	14.4
18 Springfield ^{4, 14}	14.6	14.5	14.7	-	-	-	-	-	-	6.0	6.1	6.0
19 VIRGINIA	2,092.3	2,127.8	2,130.3	24.0	23.6	23.6	132.9	136.9	134.3	415.2	419.5	417.6
20 Bristol ¹⁵	28.5	28.9	28.9	(1)	(1)	(1)	1.3	1.4	1.3	9.5	9.8	9.8
21 Lynchburg ¹⁵	70.9	74.3	73.9	(1)	(1)	(1)	3.3	3.6	3.6	29.5	30.0	29.6
22 Newport News-Hampton ¹⁵	144.4	149.1	149.6	(1)	(1)	(1)	7.7	7.7	7.7	33.0	33.8	34.3
23 Norfolk-Virginia Beach-Portsmouth ¹⁵	285.5	286.8	287.8	(1)	(1)	(1)	18.2	17.8	17.5	29.8	30.5	30.0
24 Northern Virginia ^{15, 16}	423.6	430.5	430.7	.4	.4	.4	30.5	30.0	29.2	16.3	16.9	17.0
25 Petersburg-Colonial Hgts.-Hopewell	46.6	46.7	46.8	(1)	(1)	(1)	2.2	2.3	2.2	12.4	12.0	12.0
26 Richmond ¹⁵	325.7	328.3	330.2	.3	.4	.4	19.5	18.8	18.7	54.6	56.0	56.0
27 Roanoke ¹⁵	105.6	105.4	105.3	.1	.1	.1	5.8	6.5	6.4	21.2	20.8	20.8
28 WASHINGTON	1,560.5	1,644.7	(*)	3.1	3.1	(*)	103.2	108.4	(*)	292.4	312.4	(*)
29 Seattle-Everett	735.2	791.2	(*)	(1)	(1)	(*)	43.9	51.8	(*)	153.9	171.5	(*)
30 Spokane	126.3	130.6	(*)	(1)	(1)	(*)	6.1	7.9	(*)	17.8	18.7	(*)
31 Tacoma	137.9	142.6	(*)	(1)	(1)	(*)	9.0	9.2	(*)	21.6	22.1	(*)
32 WEST VIRGINIA	636.9	639.1	635.6	74.6	66.9	67.0	39.8	41.7	38.9	124.9	123.8	122.7
33 Charleston	111.7	114.6	115.3	6.9	6.5	6.8	7.2	7.4	7.3	19.6	19.1	19.1
34 Huntington-Ashland	104.9	105.0	104.9	1.0	1.1	1.1	6.7	7.0	6.8	29.3	28.5	28.4
35 Parkersburg-Marietta	57.6	58.2	57.8	.5	.5	.5	4.2	4.5	4.2	18.1	17.7	17.6
36 Wheeling	67.2	64.5	64.5	7.3	5.6	5.6	4.3	3.7	3.4	13.5	13.4	13.2
37 WISCONSIN	1,930.1	2,003.1	1,999.1	2.5	2.8	2.4	84.1	90.4	84.8	570.0	579.6	575.5
38 Appleton-Oshkosh	124.8	130.7	130.1	(1)	(1)	(1)	6.9	6.9	6.6	48.0	50.0	49.6
39 Eau Claire	44.8	45.9	45.8	(1)	(1)	(1)	1.6	1.7	1.6	8.5	8.4	8.3
40 Green Bay	76.9	78.4	78.0	(1)	(1)	(1)	3.5	3.8	3.5	21.3	21.2	20.5
41 Kenosha	44.1	45.9	45.6	(1)	(1)	(1)	1.3	1.4	1.5	18.7	19.6	19.6
42 La Crosse	42.2	43.5	43.2	(1)	(1)	(1)	1.8	2.1	1.8	10.7	10.9	10.9
43 Madison	159.3	171.1	169.9	(1)	(1)	(1)	7.0	8.0	7.2	18.6	19.4	19.1
44 Milwaukee	670.6	691.3	693.5	(1)	(1)	(1)	24.4	25.7	24.9	212.9	214.4	214.3
45 Racine	70.2	72.3	72.1	(1)	(1)	(1)	2.4	2.3	2.1	31.0	31.5	31.6
46 WYOMING ⁴	190.2	213.3	213.8	30.5	34.3	34.7	18.3	23.7	21.9	9.9	10.9	10.8
47 Casper ⁴	37.0	42.2	42.2	7.5	8.4	8.6	3.4	4.4	4.4	1.7	2.0	2.0
48 Cheyenne ⁴	27.9	28.8	28.5	(1)	(1)	(1)	2.1	2.3	2.2	1.7	1.9	1.9

¹ Combined with services.

² Combined with construction.

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

⁴ Revised to 1979 benchmark; not strictly comparable with previously published data.

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

⁶ Subarea of New York-Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

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

⁹ Subarea of New York Standard Metropolitan Statistical Area.

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

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

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁴ Total includes data for industry divisions not shown separately.

¹⁵ Revised to December 1978 benchmark; not strictly comparable with previously published data.

¹⁶ 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
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			
DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	
342.1	355.7	357.7	1,342.0	1,359.9	1,384.8	301.9	314.8	316.5	904.5	947.3	945.6	963.9	1,022.0	1,018.1	1
6.8	7.0	6.9	21.9	22.1	22.5	3.7	3.7	3.6	14.1	14.5	14.6	12.2	12.4	12.3	2
6.5	6.7	6.6	45.4	47.9	48.5	13.2	13.7	13.8	36.0	38.1	37.6	80.2	81.3	80.6	3
10.6	10.7	10.8	32.4	30.1	30.5	5.4	5.3	5.3	23.2	23.1	23.1	18.2	18.9	19.0	4
6.4	6.6	6.5	26.6	26.9	27.0	5.2	5.6	5.5	17.7	18.3	18.1	25.7	25.9	25.7	5
85.3	91.5	92.0	354.7	374.9	384.3	96.5	101.2	101.8	228.3	242.4	241.7	176.0	177.6	177.3	6
10.2	10.4	10.4	38.3	40.1	40.3	7.1	7.2	7.2	25.1	26.7	26.7	32.7	33.5	33.4	7
6.7	6.8	6.9	13.2	12.9	12.9	4.4	4.5	4.5	10.3	10.5	10.5	16.5	16.3	16.2	8
96.5	99.0	98.8	316.9	320.3	324.6	77.0	80.9	80.9	249.0	263.2	262.8	144.3	153.2	153.8	9
5.2	5.2	5.3	27.4	26.4	27.2	4.4	4.7	4.6	15.7	16.2	16.1	19.9	19.3	19.2	10
16.1	16.8	16.9	94.7	93.7	95.3	24.4	24.9	24.9	68.4	71.7	71.3	93.8	94.4	95.0	11
3.2	3.2	3.2	16.0	16.0	16.2	3.7	4.2	4.2	13.6	14.2	14.2	10.9	10.8	10.8	12
2.4	2.4	2.4	12.5	12.5	12.8	2.2	2.3	2.3	7.5	7.5	7.6	11.2	11.2	11.3	13
32.7	35.2	35.3	134.4	139.2	141.9	25.2	26.3	26.8	93.5	100.6	101.1	123.0	127.2	126.3	14
26.0	28.6	28.6	100.8	103.6	106.0	20.3	21.6	22.0	64.6	69.1	69.8	88.5	90.9	90.1	15
8.8	9.2	9.1	41.3	41.0	41.8	7.6	7.8	7.8	41.8	41.5	43.7	37.1	37.1	37.2	16
2.2	2.4	2.4	11.8	12.4	12.5	-	-	-	11.0	11.4	11.3	-	-	-	17
.7	.7	.7	2.3	2.2	2.2	-	-	-	2.7	2.6	2.8	-	-	-	18
113.4	114.9	115.9	453.3	452.0	457.4	100.5	104.3	104.6	364.3	375.9	374.4	488.7	500.7	502.5	19
1.1	1.1	1.1	6.9	7.0	7.1	.9	1.0	1.0	3.4	3.6	3.6	5.0	5.0	5.0	20
2.6	2.8	2.8	12.3	12.9	13.0	3.2	3.6	3.6	9.8	11.0	11.0	10.2	10.4	10.3	21
4.9	5.0	5.1	28.9	28.6	29.1	4.9	5.1	5.1	25.0	27.0	26.4	40.0	41.9	41.9	22
19.4	18.9	19.0	69.7	70.3	71.3	14.2	14.5	14.7	52.8	53.0	53.4	81.4	81.8	81.9	23
27.7	29.0	29.0	102.2	100.6	101.5	26.1	26.6	26.7	104.0	109.7	109.2	116.4	117.3	117.7	24
1.4	1.6	1.7	8.7	8.3	8.4	1.3	1.3	1.3	5.6	5.8	5.9	15.0	15.4	15.3	25
19.0	19.6	19.6	78.3	75.4	76.8	25.8	26.8	27.3	56.0	57.0	56.9	72.2	74.3	74.5	26
10.2	10.2	10.1	27.2	26.5	26.6	6.0	6.1	6.1	19.4	19.5	19.4	15.7	15.7	15.6	27
90.2	94.7	(*)	387.9	400.3	(*)	88.0	93.8	(*)	284.9	310.2	(*)	310.8	321.8	(*)	28
49.3	53.0	(*)	183.2	192.2	(*)	51.1	54.4	(*)	135.6	147.1	(*)	118.2	121.2	(*)	29
7.8	7.5	(*)	35.6	36.6	(*)	7.9	8.2	(*)	29.0	28.9	(*)	22.1	22.8	(*)	30
6.8	6.8	(*)	33.9	34.8	(*)	6.8	7.2	(*)	28.7	29.5	(*)	31.1	33.0	(*)	31
42.4	43.5	43.4	130.4	134.2	135.8	20.6	21.5	21.6	88.5	91.1	90.4	115.8	116.2	115.9	32
9.5	9.7	9.8	26.5	28.5	28.9	4.9	4.9	4.9	18.6	19.6	19.6	18.6	18.7	18.6	33
9.5	9.5	9.4	23.7	23.8	24.1	3.7	3.8	3.8	14.1	14.3	14.2	16.9	17.2	17.2	34
2.6	2.5	2.5	12.5	12.4	12.5	1.9	1.9	1.9	8.6	8.7	8.6	9.4	10.1	10.0	35
3.8	3.7	3.7	15.7	15.2	15.6	2.4	2.5	2.5	12.5	12.7	12.7	7.7	7.8	7.8	36
90.5	93.0	91.7	454.0	480.2	485.3	87.6	92.3	92.5	342.5	361.9	364.8	299.0	303.0	302.1	37
4.2	4.5	4.5	26.5	28.0	27.9	4.8	5.2	5.2	19.0	20.1	20.2	15.3	16.1	16.2	38
2.6	2.7	2.7	12.0	12.9	13.0	1.4	1.4	1.4	8.9	9.5	9.4	9.4	9.3	9.3	39
5.3	5.5	5.5	19.8	21.1	21.6	2.7	2.8	2.8	13.8	13.7	13.6	10.4	10.3	10.4	40
1.5	1.8	1.5	8.4	8.6	8.7	.9	1.0	1.0	7.3	7.6	7.8	5.9	5.9	5.6	41
2.3	2.4	2.4	11.5	12.0	12.1	.9	1.0	1.0	8.7	9.1	9.1	6.3	6.0	6.0	42
5.8	6.1	6.1	36.4	39.3	40.1	12.0	13.2	13.2	28.0	29.9	29.9	51.6	55.1	54.3	43
34.2	35.6	35.8	155.1	161.5	163.5	35.9	37.0	37.0	133.6	142.5	143.6	74.4	74.6	74.5	44
2.4	2.3	2.4	13.2	13.6	13.7	2.1	2.3	2.3	10.6	11.0	11.0	8.5	9.3	9.1	45
15.5	17.0	17.0	42.5	48.5	49.3	6.7	7.4	7.5	26.1	29.2	29.6	40.7	42.3	43.0	46
2.6	3.0	2.9	9.7	12.1	12.2	1.5	1.6	1.6	5.5	5.4	5.2	5.1	5.3	5.3	47
3.9	4.2	3.9	6.7	7.6	7.6	1.5	1.5	1.5	4.2	4.1	4.1	7.8	7.2	7.3	48

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, 1959 to date**

Year and month	Average												Hourly earnings excl. overtime
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	
	Total private ¹			Mining			Construction			Manufacturing			
1959 ²	\$ 78.78	39.0	\$ 2.02	\$103.68	40.5	\$ 2.56	\$108.41	37.0	\$ 2.93	\$ 88.26	40.3	\$ 2.19	\$ 2.12
1960	80.67	38.6	2.09	105.04	40.4	2.60	112.67	36.7	3.07	89.72	39.7	2.26	2.19
1961	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32	2.25
1962	85.91	38.7	2.22	110.70	41.0	2.70	122.47	37.0	3.31	96.56	40.4	2.39	2.31
1963	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.23	40.5	2.45	2.37
1964	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.43
1965	95.45	38.8	2.46	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.50
1966	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.19	41.4	2.71	2.59
1967	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.49	40.6	2.82	2.71
1968	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88
1969	114.61	37.7	3.04	154.80	43.0	3.60	181.54	37.9	4.79	129.51	40.6	3.19	3.05
1970	119.83	37.1	3.23	164.40	42.7	3.85	195.45	37.3	5.24	133.33	39.8	3.35	3.23
1971	127.31	36.9	3.45	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.45
1972	136.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.06	154.71	40.5	3.82	3.66
1973	145.39	36.9	3.94	201.40	42.4	4.75	235.89	36.8	6.41	166.46	40.7	4.09	3.91
1974	154.76	36.5	4.24	219.14	41.9	5.23	249.25	36.6	6.81	176.80	40.0	4.42	4.25
1975	163.53	36.1	4.53	249.31	41.9	5.95	266.08	36.4	7.31	190.79	39.5	4.83	4.67
1976	175.45	36.1	4.86	273.90	42.4	6.46	283.73	36.8	7.71	209.32	40.1	5.22	5.02
1977	189.00	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	203.76	35.8	5.69	332.11	43.3	7.67	318.32	36.8	8.65	249.27	40.4	6.17	5.91
1979 ^p	219.91	35.7	6.16	364.64	43.0	8.48	341.69	36.9	9.26	266.54	40.2	6.69	6.42
1979:													
JAN	210.14	35.2	5.97	347.68	42.4	8.20	310.71	34.6	8.98	260.25	40.1	6.49	6.22
FEB	212.40	35.4	6.00	349.75	42.6	8.21	319.31	35.4	9.02	262.10	40.2	6.52	6.25
MAR	214.91	35.7	6.02	354.78	42.9	8.27	331.89	37.0	8.97	266.34	40.6	6.56	6.28
APR	211.65	35.1	6.03	363.80	42.6	8.54	320.21	35.5	9.02	254.41	38.9	6.54	6.34
MAY	216.20	35.5	6.09	361.66	42.8	8.45	340.01	37.2	9.14	265.86	40.1	6.63	6.36
JUN	219.71	35.9	6.12	367.62	43.3	8.49	346.03	37.9	9.13	269.06	40.4	6.66	6.39
JUL	221.76	36.0	6.16	355.28	41.7	8.52	348.35	37.7	9.24	267.73	39.9	6.71	6.45
AUG	222.44	36.0	6.19	365.49	43.1	8.48	354.16	38.0	9.32	267.60	40.0	6.69	6.42
SEPT	225.50	35.8	6.31	372.80	43.5	8.57	360.43	37.9	9.51	274.04	40.3	6.80	6.51
OCT	225.62	35.7	6.32	374.51	43.7	8.57	356.82	37.6	9.49	274.85	40.3	6.82	6.54
NOV	226.16	35.6	6.35	380.19	43.7	8.70	346.75	36.5	9.50	277.14	40.4	6.86	6.59
DEC	229.68	36.0	6.38	382.81	43.9	8.72	354.68	37.1	9.56	285.36	41.0	6.96	6.68
1980:													
JAN-P	224.59	35.1	6.41	379.32	43.6	8.70	334.50	35.1	9.53	277.31	39.9	6.95	6.70
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1959 ²	-	-	-	\$ 64.41	38.8	\$ 1.66	\$ 72.74	37.3	\$ 1.95	-	-	-	-
1960	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-	-
1961	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-	-
1962	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-	-
1963	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964	\$ 118.78	41.1	\$ 2.89	74.66	37.9	1.97	85.79	37.3	2.30	\$ 70.03	36.1	\$ 1.94	-
1965	125.14	41.3	3.03	76.91	37.7	2.04	88.91	37.2	2.39	73.60	35.9	2.05	-
1966	128.13	41.2	3.11	79.39	37.1	2.14	92.13	37.3	2.47	77.04	35.5	2.17	-
1967	130.82	40.5	3.23	82.35	36.6	2.25	95.72	37.1	2.58	80.38	35.1	2.29	-
1968	138.85	40.6	3.42	87.00	36.1	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	155.53	40.5	3.85	96.02	35.3	2.72	112.67	36.7	3.07	96.66	34.4	2.81	-
1971	168.82	40.1	4.21	101.09	35.1	2.88	117.85	36.6	3.22	103.06	33.9	3.04	-
1972	187.86	40.4	4.65	106.45	34.9	3.05	122.98	36.6	3.36	110.85	33.9	3.27	-
1973	203.31	40.5	5.02	111.76	34.6	3.23	129.20	36.6	3.53	117.29	33.8	3.47	-
1974	217.48	40.2	5.41	119.02	34.2	3.48	137.61	36.5	3.77	126.00	33.6	3.75	-
1975	233.44	39.7	5.88	126.45	33.9	3.73	148.19	36.5	4.06	134.67	33.5	4.02	-
1976	256.71	39.8	6.45	133.79	33.7	3.97	155.43	36.4	4.27	143.52	33.3	4.31	-
1977	278.90	39.9	6.99	142.52	33.3	4.28	165.26	36.4	4.54	153.45	33.0	4.65	-
1978	302.80	40.0	7.57	153.64	32.9	4.67	178.36	36.4	4.90	163.67	32.8	4.99	-
1979 ^p	326.38	39.9	8.18	164.56	32.6	5.06	191.66	36.3	5.28	175.27	32.7	5.36	-
1979:													
JAN	312.84	39.6	7.90	158.72	32.0	4.96	186.73	36.4	5.13	169.45	32.4	5.23	-
FEB	316.01	39.5	7.92	159.54	32.1	4.97	188.92	36.4	5.19	170.75	32.4	5.27	-
MAR	314.42	39.8	7.90	161.35	32.4	4.98	187.31	36.3	5.16	171.48	32.6	5.26	-
APR	307.32	39.0	7.88	162.50	32.5	5.00	190.37	36.4	5.23	171.93	32.5	5.29	-
MAY	314.42	39.6	7.94	162.00	32.4	5.00	188.44	36.1	5.22	171.28	32.5	5.27	-
JUN	321.20	40.0	8.03	165.16	32.9	5.02	188.96	36.2	5.22	173.38	32.9	5.27	-
JUL	327.60	40.0	8.19	168.17	33.3	5.05	192.56	36.4	5.29	176.16	33.3	5.29	-
AUG	335.30	40.3	8.32	167.99	33.2	5.06	191.50	36.2	5.29	175.96	33.2	5.30	-
SEPT	337.16	39.9	8.45	167.75	32.7	5.13	195.29	36.3	5.38	178.22	32.7	5.45	-
OCT	337.16	39.9	8.45	167.38	32.5	5.15	194.93	36.3	5.37	178.65	32.6	5.48	-
NOV	342.50	40.2	8.52	167.83	32.4	5.18	197.29	36.4	5.42	180.60	32.6	5.54	-
DEC	343.71	40.2	8.55	170.09	32.9	5.17	199.47	36.4	5.48	183.68	32.8	5.60	-
1980:													
JAN-P	338.58	39.6	8.55	168.54	31.8	5.30	200.93	36.4	5.52	183.06	32.4	5.65	-

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

²Data include Alaska and Hawaii beginning 1959.

p = preliminary.

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
	TOTAL PRIVATE	\$213.35	\$210.14	\$226.06	\$229.68	\$224.99	\$5.51	\$5.57	\$6.35	\$6.38	\$6.41
	MINING	349.80	347.68	380.19	382.81	379.32	8.06	8.20	8.70	8.72	8.70
	METAL MINING	367.98	362.34	405.31	401.14	-	8.72	8.71	9.79	9.76	-
101	Iron ores	383.10	378.16	437.84	420.04	-	8.93	8.94	10.23	10.22	-
102	Copper ores	387.43	381.60	429.66	426.57	-	9.01	9.00	10.23	9.99	-
	COAL MINING	401.14	405.98	429.11	429.93	-	9.76	9.83	10.39	10.31	-
11, 12, 12	BITUMINOUS COAL AND LIGNITE MINING	401.96	407.22	430.35	430.76	-	9.78	9.86	10.42	10.33	-
	OIL AND GAS EXTRACTION	328.33	325.69	361.84	366.62	-	7.28	7.47	7.97	8.04	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	343.62	360.40	376.26	374.51	-	8.28	8.50	8.58	9.09	-
138	Oil and gas field services	322.01	311.35	355.85	363.26	-	6.91	7.06	7.62	7.68	-
	NONMETALLIC MINERALS, EXCEPT FUELS	292.60	271.83	319.50	320.85	-	6.59	6.55	7.10	7.13	-
142	Crushed and broken stone	284.58	255.85	311.20	309.58	-	6.31	6.21	6.78	6.73	-
	CONSTRUCTION	330.04	310.71	346.75	354.68	334.50	8.92	8.98	9.50	9.56	9.53
	GENERAL BUILDING CONTRACTORS	295.56	281.37	314.87	323.39	-	8.21	8.30	8.82	8.86	-
152	Residential building construction	276.68	266.90	295.68	304.68	-	7.75	7.92	8.40	8.44	-
153	Operative builders	253.34	238.63	283.56	296.21	-	7.32	7.79	7.92	7.92	-
154	Nonresidential building construction	324.12	306.16	338.26	346.29	-	8.88	8.90	9.37	9.41	-
	HEAVY CONSTRUCTION CONTRACTORS	331.23	298.55	353.60	342.78	-	8.26	8.27	8.84	8.70	-
161	Highway and street construction	312.30	258.83	349.76	321.90	-	7.58	7.25	8.51	8.17	-
162	Heavy construction, except highway	339.44	312.54	355.39	352.63	-	8.55	8.61	9.02	8.95	-
	SPECIAL TRADE CONTRACTORS	349.67	329.21	360.98	374.42	-	9.58	9.57	10.14	10.23	-
171	Plumbing, heating, air conditioning	369.39	354.24	380.56	393.72	-	9.67	9.60	10.23	10.28	-
172	Painting, paper hanging, decorating	315.58	297.82	315.95	332.53	-	8.94	8.89	9.32	9.42	-
173	Electrical work	411.77	396.68	417.38	438.86	-	10.64	10.55	11.25	11.34	-
174	Masonry, stonework, and plastering	314.68	296.72	333.94	341.85	-	9.31	9.39	9.88	9.88	-
175	Carpentering and flooring	305.87	280.97	316.02	325.82	-	8.52	8.54	9.16	9.23	-
176	Roofing and sheet metal work	270.03	230.89	284.89	292.90	-	8.36	8.13	8.82	8.93	-
	MANUFACTURING	268.27	260.25	277.14	285.36	277.31	6.48	6.49	6.86	6.96	6.95
	DURABLE GOODS	293.14	283.03	297.43	309.00	297.75	6.93	6.92	7.29	7.41	7.37
24, 25, 32-39	NONDURABLE GOODS	229.43	226.01	245.92	250.40	247.35	5.75	5.81	6.21	6.26	6.31
20-23, 26-31	DURABLE GOODS										
	LUMBER AND WOOD PRODUCTS	232.18	222.92	241.72	245.46	236.98	5.79	5.79	6.23	6.23	6.22
241	Logging camps and logging contractors	300.98	264.99	320.88	309.58	-	7.45	7.28	8.40	8.19	-
242	Sawmills and planing mills	245.40	238.37	249.56	256.07	-	6.00	6.05	6.35	6.37	-
2421	Sawmills and planing mills, general	260.16	253.04	261.86	268.54	-	6.33	6.39	6.68	6.68	-
2426	Hardwood dimension and flooring	169.74	165.92	175.08	179.29	-	4.13	4.19	4.41	4.46	-
243	Millwork, plywood, and structural members	230.92	224.65	237.46	243.10	-	5.73	5.79	6.12	6.17	-
2431	Millwork	216.61	210.72	232.46	235.80	-	5.47	5.56	5.93	6.00	-
2434	Wood kitchen cabinets	208.26	207.81	214.14	220.61	-	5.34	5.44	5.65	5.73	-
2435	Hardwood veneer and plywood	189.93	183.81	193.03	204.10	-	4.61	4.63	4.85	4.93	-
2436	Softwood veneer and plywood	299.29	291.10	294.91	302.99	-	7.16	7.17	7.68	7.69	-
244	Wooden containers	163.31	158.98	176.61	181.42	-	4.22	4.32	4.66	4.70	-
245	Wood buildings and mobile homes	201.11	197.27	215.05	218.04	-	5.45	5.39	5.75	5.83	-
2451	Mobile homes	195.12	191.66	214.50	216.92	-	5.42	5.28	5.72	5.80	-
249	Miscellaneous wood products	195.65	190.79	205.02	208.79	-	4.82	4.83	5.10	5.13	-
	FURNITURE AND FIXTURES	194.89	186.52	205.02	210.67	203.52	4.86	4.87	5.23	5.28	5.30
251	Household furniture	182.74	173.04	191.30	197.51	-	4.58	4.59	4.88	4.95	-
2511	Wood household furniture	172.98	165.25	181.03	186.76	-	4.25	4.27	4.56	4.60	-
2512	Upholstered household furniture	197.11	182.65	200.72	206.58	-	4.94	4.91	5.20	5.27	-
2514	Metal household furniture	178.02	171.55	199.36	207.03	-	4.60	4.70	5.06	5.15	-
2515	Mattresses and bedspreads	195.56	190.53	208.19	218.67	-	5.16	5.22	5.45	5.55	-
252	Office furniture	220.25	213.46	221.60	224.47	-	5.32	5.31	5.61	5.64	-
253	Public building and related furniture	217.34	214.25	210.92	219.01	-	5.34	5.29	5.58	5.63	-
254	Partitions and fixtures	231.45	221.18	255.02	258.80	-	5.73	5.73	6.44	6.47	-
259	Miscellaneous furniture and fixtures	212.67	208.98	229.32	231.26	-	5.33	5.40	5.88	5.84	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
	TOTAL PRIVATE	36.1	35.2	35.6	36.0	35.1	-	-	-	-	-
	MINING	43.4	42.4	43.7	43.9	43.6	-	-	-	-	-
10	METAL MINING	42.2	41.6	41.4	41.1	-	-	-	-	-	-
101	Iron ores	42.9	42.3	42.8	41.1	-	-	-	-	-	-
102	Copper ores	43.0	42.4	42.0	42.7	-	-	-	-	-	-
11, 12	COAL MINING	41.1	41.3	41.3	41.7	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	41.1	41.3	41.3	41.7	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.1	43.6	45.4	45.6	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.5	42.4	41.9	41.2	-	-	-	-	-	-
138	Oil and gas field services	46.6	44.1	46.7	47.3	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.4	41.5	45.0	45.0	-	-	-	-	-	-
142	Crushed and broken stone	45.1	41.2	45.9	46.0	-	-	-	-	-	-
	CONSTRUCTION	37.0	34.6	36.5	37.1	35.1	-	-	-	-	-
16	GENERAL BUILDING CONTRACTORS	36.0	33.9	35.7	36.5	-	-	-	-	-	-
152	Residential building construction	35.7	33.7	35.2	36.1	-	-	-	-	-	-
153	Operative builders	34.8	32.6	36.4	37.4	-	-	-	-	-	-
154	Nonresidential building construction	36.5	34.4	36.1	36.8	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	40.1	36.1	40.0	39.4	-	-	-	-	-	-
161	Highway and street construction	41.2	35.7	41.1	39.4	-	-	-	-	-	-
162	Heavy construction, except highway	39.7	36.3	39.4	39.4	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	36.5	34.4	35.6	36.6	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	38.2	36.9	37.2	38.3	-	-	-	-	-	-
172	Painting, paper hanging, decorating	35.3	33.5	33.9	35.3	-	-	-	-	-	-
173	Electrical work	38.7	37.6	37.1	38.7	-	-	-	-	-	-
174	Masonry, stonework, and plastering	33.8	31.6	33.8	34.6	-	-	-	-	-	-
175	Carpentering and flooring	35.9	32.9	34.5	35.3	-	-	-	-	-	-
176	Roofing and sheet metal work	32.3	28.4	32.3	32.8	-	-	-	-	-	-
	MANUFACTURING	41.4	40.1	40.4	41.0	39.9	3.9	3.5	3.4	3.4	3.1
24, 25, 32-39	DURABLE GOODS	42.3	40.9	40.8	41.7	40.4	4.3	3.8	3.5	3.5	3.1
20-23, 26-31	NONDURABLE GOODS	39.9	38.9	39.6	40.0	39.2	3.3	3.0	3.3	3.2	3.0
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	40.1	38.5	38.8	39.4	38.1	3.8	3.4	3.2	3.1	-
241	Logging camps and logging contractors	40.4	36.4	38.2	37.8	-	4.8	3.5	3.8	3.5	-
242	Sawmills and planing mills	40.9	39.4	39.3	40.2	-	4.6	4.2	3.6	3.9	-
2421	Sawmills and planing mills, general	41.1	39.6	39.2	40.2	-	4.8	4.5	4.0	4.1	-
2426	Hardwood dimension and flooring	41.1	39.6	39.7	40.2	-	3.8	3.3	3.3	3.3	-
243	Millwork, plywood, and structural members	40.3	38.8	38.8	39.4	-	3.5	3.1	2.6	2.6	-
2431	Millwork	39.6	37.9	39.2	39.3	-	2.7	2.0	1.7	1.7	-
2434	Wood kitchen cabinets	39.0	38.2	37.9	38.5	-	2.8	2.6	1.9	2.1	-
2435	Hardwood veneer and plywood	41.2	35.7	39.8	41.4	-	3.9	3.6	3.6	3.9	-
2436	Softwood veneer and plywood	41.8	40.6	38.4	39.4	-	5.0	5.0	4.0	3.7	-
244	Wooden containers	38.7	36.8	37.9	38.6	-	3.1	2.8	2.5	3.1	-
245	Wood buildings and mobile homes	36.9	36.6	37.4	37.4	-	2.1	1.9	2.0	1.8	-
2451	Mobile homes	36.0	36.3	37.5	37.4	-	1.6	1.3	1.7	1.7	-
249	Miscellaneous wood products	40.6	39.5	40.2	40.7	-	3.6	3.2	3.6	3.2	-
25	FURNITURE AND FIXTURES	40.1	38.3	39.2	39.9	38.4	3.0	2.3	2.4	2.5	-
251	Household furniture	39.9	37.7	39.2	39.9	-	2.9	2.3	2.3	2.4	-
2511	Wood household furniture	40.7	38.7	39.7	40.6	-	3.6	3.0	2.9	2.9	-
2512	Upholstered household furniture	39.9	37.2	38.6	39.2	-	2.5	1.5	1.8	1.9	-
2514	Metal household furniture	38.7	36.5	39.4	40.2	-	1.6	1.4	1.5	1.7	-
2515	Mattresses and bedspings	37.9	36.5	38.2	39.4	-	2.4	2.1	2.4	2.9	-
252	Office furniture	41.4	40.2	39.5	39.8	-	3.3	2.8	2.2	2.6	-
253	Public building and related furniture	40.7	40.5	37.8	38.9	-	3.0	2.3	2.5	2.8	-
254	Partitions and fixtures	40.4	38.6	39.6	40.0	-	3.0	2.2	3.2	2.9	-
259	Miscellaneous furniture and fixtures	39.9	38.7	39.0	39.6	-	3.0	2.7	2.2	1.7	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
32	STONE, CLAY, AND GLASS PRODUCTS	\$277.68	\$266.09	\$294.82	\$297.49	\$287.75	\$6.58	\$6.57	\$7.07	\$7.10	\$7.07
321	Flat glass	402.55	390.57	367.20	411.99	-	8.62	8.31	9.00	9.30	-
322	Glass and glassware, pressed or blown	280.17	277.26	295.47	302.66	-	6.85	6.88	7.35	7.40	-
3221	Glass containers	293.15	290.39	305.96	312.77	-	7.03	7.10	7.63	7.61	-
3229	Pressed and blown glass, nec	262.68	260.57	282.50	290.60	-	6.60	6.58	7.01	7.14	-
323	Products of purchased glass	278.38	272.48	271.05	276.22	-	6.55	6.55	6.50	6.53	-
324	Cement, hydraulic	380.75	392.21	430.84	416.79	-	8.98	9.10	10.09	9.83	-
325	Structural clay products	221.76	214.93	235.66	235.15	-	5.28	5.32	5.72	5.68	-
326	Pottery and related products	216.91	214.03	229.37	230.69	-	5.45	5.46	5.72	5.87	-
327	Concrete, gypsum, and plaster products	276.90	245.99	304.44	301.61	-	6.50	6.34	7.08	7.08	-
3271	Concrete block and brick	254.75	230.29	283.18	288.84	-	5.98	5.92	6.48	6.52	-
3272	Concrete products, nec	241.92	225.37	262.09	264.18	-	5.76	5.72	6.27	6.29	-
3273	Ready-mixed concrete	304.80	254.80	333.76	326.04	-	7.24	7.00	7.78	7.80	-
329	Misc. nonmetallic mineral products	283.62	277.25	295.96	302.74	-	6.55	6.57	7.03	7.09	-
3291	Abrasive products	268.69	264.62	275.81	294.69	-	6.49	6.47	6.81	7.05	-
3292	Asbestos products	300.79	293.23	298.03	304.14	-	6.64	6.71	7.13	7.19	-
33	PRIMARY METAL INDUSTRIES	363.80	363.76	376.88	380.37	373.18	8.56	8.62	9.26	9.30	9.26
331	Blast furnace and basic steel products	408.10	417.21	434.62	427.58	-	9.81	9.91	10.92	10.88	-
3312	Blast furnaces and steel mills	418.78	431.10	448.27	439.57	-	10.14	10.24	11.32	11.30	-
3317	Steel pipe and tubes	337.55	333.66	351.82	355.93	-	7.98	8.04	8.73	8.66	-
332	Iron and steel foundries	339.34	319.35	311.52	335.07	-	7.66	7.64	7.73	7.94	-
3321	Gray iron foundries	353.58	329.64	304.18	336.94	-	7.84	7.83	7.74	8.08	-
3322	Malleable iron foundries	354.01	337.00	341.09	351.46	-	8.31	8.28	8.57	8.51	-
3325	Steel foundries, nec	306.74	296.90	327.33	334.60	-	7.15	7.12	7.72	7.75	-
333	Primary nonferrous metals	376.74	378.42	412.15	414.24	-	8.97	9.01	9.86	9.91	-
3334	Primary aluminum	394.42	395.52	419.99	428.16	-	9.55	9.60	10.37	10.52	-
335	Nonferrous rolling and drawing	332.34	329.51	355.14	361.61	-	7.64	7.61	8.24	8.39	-
3351	Copper rolling and drawing	305.64	312.13	324.86	314.39	-	7.01	7.11	7.52	7.45	-
3353	Aluminum sheet, plate, and foil	404.05	391.78	414.07	435.87	-	9.31	9.09	9.72	10.02	-
3357	Nonferrous wire drawing and insulating	315.23	311.76	332.13	338.05	-	7.23	7.29	7.76	7.88	-
336	Nonferrous foundries	276.64	268.86	275.65	283.72	-	6.54	6.51	6.84	6.92	-
3361	Aluminum foundries	291.29	282.20	284.38	292.28	-	6.67	6.80	6.97	7.06	-
34	FABRICATED METAL PRODUCTS	279.36	269.28	286.59	298.62	285.82	6.62	6.60	6.99	7.11	7.04
341	Metal cans and shipping containers	360.77	356.17	410.32	418.47	-	8.39	8.44	9.20	9.32	-
3411	Metal cans	371.09	366.27	424.65	433.35	-	8.65	8.70	9.50	9.63	-
342	Cutlery, hand tools, and hardware	261.45	252.40	268.13	281.26	-	6.30	6.31	6.72	6.86	-
3423, 5	Hand and edge tools, and hand saws and blades	250.28	247.44	271.42	275.22	-	6.06	6.14	6.62	6.68	-
3429	Hardware, nec	273.14	259.64	269.10	288.56	-	6.55	6.54	6.90	7.09	-
343	Plumbing and heating, except electric	230.98	230.62	249.02	264.58	-	5.76	5.78	6.21	6.36	-
3432	Plumbing fittings and brass goods	222.24	222.88	240.20	256.43	-	5.57	5.60	5.99	6.12	-
3433	Heating equipment, except electric	231.09	224.36	239.60	249.08	-	5.72	5.68	6.02	6.15	-
344	Fabricated structural metal products	258.93	249.48	281.26	290.79	-	6.30	6.30	6.86	6.94	-
3441	Fabricated structural metal	275.98	260.83	301.81	311.83	-	6.65	6.57	7.29	7.29	-
3442	Metal doors, sash, and trim	201.79	191.76	221.20	228.58	-	5.07	5.10	5.53	5.63	-
3443	Fabricated plate work (boiler shops)	286.06	278.64	322.06	332.99	-	6.86	6.88	7.56	7.62	-
3444	Sheet metal work	258.56	252.55	270.47	278.76	-	6.40	6.41	6.83	6.90	-
3446	Architectural metal work	255.42	246.64	262.92	263.33	-	6.14	6.12	6.46	6.47	-
345	Screw machine products, bolts, etc.	274.56	269.33	282.63	286.52	-	6.24	6.22	6.65	6.71	-
3451	Screw machine products	252.29	245.92	259.76	265.40	-	5.84	5.80	6.17	6.23	-
3452	Bolts, nuts, rivets, and washers	296.58	291.94	305.45	308.16	-	6.62	6.62	7.12	7.20	-
346	Metal forgings and stampings	345.10	322.70	313.20	340.17	-	7.79	7.72	7.83	8.08	-
3462	Iron and steel forgings	375.75	358.25	336.18	359.79	-	8.35	8.39	8.62	8.84	-
3465	Automotive stampings	435.24	390.27	363.01	424.02	-	9.30	9.27	9.38	9.77	-
3469	Metal stampings, nec	240.86	239.61	257.71	261.66	-	5.79	5.83	6.24	6.29	-
347	Metal services, nec	218.24	216.28	231.01	234.77	-	5.31	5.38	5.69	5.74	-
3471	Plating and polishing	210.23	207.36	222.31	227.81	-	5.14	5.21	5.53	5.57	-
3479	Metal coating and allied services	236.97	237.72	251.26	250.10	-	5.71	5.77	6.04	6.10	-
348	Ordnance and accessories, nec	264.86	261.39	291.04	293.70	-	6.46	6.47	7.03	7.06	-
3483	Ammunition, exc. for small arms, nec	243.97	238.51	267.15	265.28	-	6.13	6.10	6.58	6.55	-
349	Misc. fabricated metal products	264.39	258.32	277.22	286.20	-	6.28	6.27	6.68	6.75	-
3494	Valves and pipe fittings	286.18	275.64	303.17	314.92	-	6.64	6.61	7.10	7.19	-
3496	Misc. fabricated wire products	230.04	229.55	241.43	251.16	-	5.57	5.64	5.86	5.98	-
35	MACHINERY, EXCEPT ELECTRICAL	311.74	298.91	314.67	327.33	317.41	7.15	7.10	7.51	7.63	7.63
351	Engines and turbines	368.90	354.06	358.60	369.66	-	8.50	8.39	9.01	9.15	-
3511	Turbines and turbine generator sets	325.44	314.28	336.98	343.15	-	7.88	7.76	8.30	8.39	-
3519	Internal combustion engines, nec	383.23	366.37	364.98	378.42	-	8.69	8.58	9.24	9.38	-
352	Farm and garden machinery	341.20	318.57	336.91	369.12	-	7.88	7.77	8.06	8.37	-
3523	Farm machinery and equipment	355.28	330.84	349.40	384.83	-	8.13	8.03	8.26	8.59	-
353	Construction and related machinery	335.07	319.03	324.24	333.48	-	7.65	7.56	7.87	7.94	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
		32	STONE, CLAY, AND GLASS PRODUCTS	42.2	40.5	41.7	41.9	40.7	4.7	4.1	4.4	4.1	-
321	Flat glass	46.7	47.0	40.8	44.3	-	6.7	7.2	3.8	3.5	-
322	Glass and glassware, pressed or blown	40.9	40.3	40.2	40.9	-	4.1	4.1	3.9	3.9	-
3221	Glass containers	41.7	40.9	40.1	41.1	-	4.4	4.7	4.3	4.2	-
3229	Pressed and blown glass, nec	39.8	39.6	40.3	40.7	-	3.6	3.2	3.5	3.6	-
323	Products of purchased glass	42.5	41.6	41.7	42.3	-	5.1	4.6	3.2	3.3	-
324	Cement, hydraulic	42.4	43.1	42.7	42.4	-	4.0	4.7	4.2	4.0	-
325	Structural clay products	42.0	40.4	41.2	41.4	-	4.4	3.8	4.2	3.9	-
326	Pottery and related products	39.8	39.2	40.1	39.3	-	2.7	2.4	2.8	2.2	-
327	Concrete, gypsum, and plaster products	42.6	38.8	43.0	42.6	-	5.2	4.3	5.7	5.1	-
3271	Concrete block and brick	42.6	38.9	43.7	44.3	-	6.0	4.7	6.1	5.7	-
3272	Concrete products, nec	42.0	39.4	41.8	42.0	-	5.0	3.9	4.6	4.4	-
3273	Ready-mixed concrete	42.1	36.4	42.9	41.8	-	5.8	3.6	5.9	5.0	-
329	Misc. nonmetallic mineral products	43.3	42.2	42.1	42.7	-	4.5	4.3	4.2	4.1	-
3291	Abrasive products	41.4	40.9	40.5	41.8	-	3.8	3.6	3.5	3.7	-
3292	Asbestos products	45.3	43.7	41.8	42.3	-	4.7	4.0	3.2	3.5	-
33	PRIMARY METAL INDUSTRIES	42.5	42.2	40.7	40.9	40.3	4.4	4.3	3.6	3.5	-
331	Blast furnace and basic steel products	41.6	42.1	39.8	39.3	-	3.5	3.8	2.9	2.6	-
3312	Blast furnaces and steel mills	41.3	42.1	39.6	38.9	-	3.3	3.7	2.6	2.4	-
3317	Steel pipe and tubes	42.3	41.5	40.3	41.1	-	4.5	4.2	2.6	2.9	-
332	Iron and steel foundries	44.3	41.8	40.3	42.2	-	5.6	4.8	3.3	3.6	-
3321	Gray iron foundries	45.1	42.1	39.3	41.7	-	5.9	5.1	2.8	3.1	-
3322	Malleable iron foundries	42.6	40.7	39.8	41.3	-	6.0	4.6	3.8	3.7	-
3325	Steel foundries, nec	42.9	41.7	42.4	43.2	-	4.8	4.1	4.3	4.6	-
333	Primary nonferrous metals	42.0	42.0	41.8	41.8	-	3.5	3.7	4.0	4.0	-
3334	Primary aluminum	41.3	41.2	40.5	40.7	-	3.5	3.7	4.0	3.9	-
335	Nonferrous rolling and drawing	43.5	43.3	43.1	43.1	-	5.8	5.6	5.5	5.3	-
3351	Copper rolling and drawing	43.6	43.9	43.2	42.2	-	6.0	6.4	5.6	5.1	-
3353	Aluminum sheet, plate and foil	43.4	43.1	42.6	43.5	-	7.2	6.4	6.3	6.4	-
3357	Nonferrous wire drawing and insulating	43.6	43.3	42.8	42.9	-	5.3	5.1	5.0	4.8	-
336	Nonferrous foundries	42.3	41.3	40.3	41.0	-	4.4	4.0	3.0	3.1	-
3361	Aluminum foundries	42.4	41.5	40.8	41.4	-	4.9	4.6	3.2	3.4	-
34	FABRICATED METAL PRODUCTS	42.2	40.8	41.0	42.0	40.6	4.1	3.6	3.4	3.6	-
341	Metal cans and shipping containers	43.0	42.2	44.6	44.9	-	4.0	4.1	5.3	5.0	-
3411	Metal cans	42.9	42.1	44.7	45.0	-	3.5	3.8	5.2	4.8	-
342	Cutlery, hand tools, and hardware	41.5	40.0	39.9	41.0	-	3.9	3.1	2.8	2.9	-
3423, 5	Hand and edge tools, and hand saws and blades	41.3	40.3	41.0	41.2	-	3.8	3.4	3.2	3.2	-
3429	Hardware, nec	41.7	39.7	39.0	40.7	-	4.1	2.9	2.4	2.4	-
343	Plumbing and heating, except electric	40.1	39.9	40.1	41.6	-	2.9	3.0	3.0	3.6	-
3432	Plumbing fittings and brass goods	39.9	39.8	40.1	41.9	-	2.9	3.0	2.7	3.7	-
3433	Heating equipment, except electric	40.4	39.5	39.8	40.5	-	2.7	2.5	3.2	3.1	-
344	Fabricated structural metal products	41.1	39.6	41.0	41.9	-	3.3	2.6	3.4	3.7	-
3441	Fabricated structural metal	41.5	35.7	41.4	42.6	-	4.0	3.2	3.6	4.0	-
3442	Metal doors, sash, and trim	39.8	37.6	40.0	40.6	-	2.5	1.9	2.9	3.1	-
3443	Fabricated plate work (boiler shops)	41.7	40.5	42.6	43.7	-	3.6	2.4	3.6	3.9	-
3444	Sheet metal work	40.4	39.4	39.6	40.4	-	3.2	2.9	3.1	3.3	-
3446	Architectural metal work	41.6	40.3	40.7	40.7	-	2.7	2.1	3.2	3.0	-
345	Screw machine products, bolts, etc.	44.0	43.3	42.5	42.7	-	6.0	5.3	4.6	4.7	-
3451	Screw machine products	43.2	42.4	42.1	42.6	-	6.0	5.3	4.8	5.2	-
3452	Bolts, nuts, rivets, and washers	44.8	44.1	42.9	42.8	-	5.9	5.3	4.4	4.3	-
346	Metal forgings and stampings	44.3	41.8	40.0	42.1	-	4.9	4.8	3.1	3.1	-
3462	Iron and steel forgings	45.0	42.7	39.0	40.7	-	6.5	5.7	3.4	3.7	-
3465	Automotive stampings	46.8	42.1	38.7	43.4	-	5.3	5.5	1.8	1.8	-
3469	Metal stampings, nec	41.6	41.1	41.3	41.6	-	3.8	3.5	3.8	3.6	-
347	Metal services, nec	41.1	40.2	40.6	40.9	-	4.2	3.5	3.8	3.9	-
3471	Plating and polishing	40.9	39.8	40.2	40.9	-	3.9	3.2	3.3	3.5	-
3479	Metal coating and allied services	41.5	41.2	41.6	41.0	-	4.8	4.3	4.8	4.7	-
348	Ordnance and accessories, nec	41.0	40.4	41.4	41.6	-	3.1	2.6	2.9	3.0	-
3483	Ammunition, exc. for small arms, nec	39.8	39.1	40.6	40.5	-	1.9	1.7	2.2	2.0	-
349	Misc. fabricated metal products	42.1	41.2	41.5	42.4	-	4.1	3.6	3.3	3.7	-
3494	Valves and pipe fittings	43.1	41.7	42.7	43.8	-	4.7	3.9	4.0	4.5	-
3496	Misc. fabricated wire products	41.3	40.7	41.2	42.0	-	3.6	3.6	3.3	3.6	-
35	MACHINERY, EXCEPT ELECTRICAL	43.6	42.1	41.9	42.9	41.6	5.0	4.9	4.2	4.6	-
351	Engines and turbines	43.4	42.2	39.8	40.4	-	5.5	4.2	2.9	3.5	-
3511	Turbines and turbine generator sets	41.3	40.5	40.6	40.9	-	5.7	3.8	3.7	4.6	-
3519	Internal combustion engines, nec	44.1	42.7	39.5	40.3	-	5.5	4.3	2.7	3.2	-
352	Farm and garden machinery	43.3	41.0	41.8	44.1	-	4.7	4.8	4.3	4.8	-
3523	Farm machinery and equipment	43.7	41.2	42.3	44.8	-	4.9	5.0	4.6	5.0	-
353	Construction and related machinery	43.8	42.2	41.2	42.0	-	4.5	3.8	3.6	4.1	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979 ^p	Jan. p 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. p 1979	Jan. p 1980 ^p
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$364.22	\$343.19	\$333.59	\$346.12	-	\$8.49	\$8.35	\$8.51	\$8.61	-
3532	Mining machinery	329.43	324.63	340.17	341.78	-	7.47	7.48	8.08	8.08	-
3533	Oil field machinery	324.10	309.28	329.28	336.69	-	7.00	6.95	7.64	7.74	-
3535	Conveyers and conveying equipment	277.33	265.85	293.82	302.10	-	6.39	6.36	7.08	7.21	-
3537	Industrial trucks and tractors	298.32	287.60	295.89	312.14	-	6.97	6.93	7.27	7.31	-
354	Metalworking machinery	335.51	326.20	343.83	357.50	-	7.39	7.38	7.85	7.98	-
3541	Machine tools, metal cutting types	352.20	339.15	361.62	377.48	-	7.64	7.52	8.05	8.26	-
3542	Machine tools, metal forming types	344.06	317.67	348.43	358.44	-	7.68	7.51	8.16	8.24	-
3544	Special dies, tools, jigs, and fixtures	370.51	361.15	368.68	388.67	-	7.90	7.92	8.36	8.58	-
3545	Machine tool accessories	291.45	291.36	320.46	328.86	-	6.70	6.76	7.35	7.39	-
3546	Power driven hand tools	249.90	232.85	257.00	260.90	-	5.88	5.88	6.09	6.11	-
355	Special industry machinery	288.96	278.21	307.10	323.10	-	6.72	6.72	7.26	7.36	-
3551	Food products machinery	304.29	295.24	317.18	331.08	-	7.06	7.08	7.68	7.79	-
3552	Textile machinery	237.54	223.30	240.54	252.18	-	5.55	5.50	5.91	5.99	-
3555	Printing trades machinery	294.50	279.19	327.62	362.79	-	6.77	6.76	7.48	7.67	-
356	General industrial machinery	303.88	293.99	320.38	330.33	-	7.10	7.05	7.61	7.70	-
3561	Pumps and pumping equipment	301.89	287.86	313.88	332.98	-	7.07	6.97	7.60	7.78	-
3562	Ball and roller bearings	308.74	302.28	331.19	326.14	-	7.18	7.18	7.72	7.62	-
3563	Air and gas compressors	312.06	301.02	349.36	350.84	-	7.36	7.36	7.94	8.01	-
3564	Blowers and fans	270.30	261.40	288.15	298.32	-	6.36	6.36	6.91	6.97	-
3566	Speed changers, drives, and gears	343.99	325.74	358.13	386.06	-	7.73	7.42	8.29	8.56	-
3568	Power transmission equipment, nec	299.64	286.33	307.10	314.39	-	6.92	6.85	7.40	7.45	-
357	Office and computing machines	248.09	241.95	262.65	270.00	-	5.81	5.83	6.18	6.25	-
3573	Electronic computing equipment	249.55	243.60	262.68	272.75	-	5.79	5.80	6.21	6.27	-
358	Refrigeration and service machinery	273.84	258.49	273.20	284.95	-	6.52	6.43	6.83	6.95	-
3585	Refrigeration and heating equipment	283.41	267.55	279.90	291.92	-	6.70	6.59	6.98	7.12	-
359	Misc. machinery, except electrical	305.67	294.20	305.29	314.75	-	6.50	6.89	7.41	7.53	-
3592	Carburetors, pistons, rings, valves	372.67	349.80	336.36	364.19	-	7.98	8.06	8.43	8.63	-
3599	Machinery, except electrical, nec	292.15	282.63	298.91	305.24	-	6.67	6.65	7.22	7.32	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	251.52	246.23	266.26	274.07	\$266.38	6.09	6.11	6.51	6.62	\$6.61
361	Electric distributing equipment	256.89	247.60	267.65	274.73	-	6.22	6.19	6.56	6.62	-
3612	Transformers	241.78	238.68	254.18	262.70	-	5.84	5.85	6.23	6.32	-
3613	Switchgear and switchboard apparatus	268.79	254.66	279.76	285.79	-	6.54	6.48	6.84	6.87	-
362	Electrical industrial apparatus	258.55	256.03	274.14	281.48	-	6.23	6.26	6.67	6.75	-
3621	Motors and generators	263.91	262.17	270.50	277.79	-	6.39	6.41	6.63	6.71	-
3622	Industrial controls	244.02	238.76	278.10	286.54	-	5.88	5.91	6.75	6.79	-
363	Household appliances	246.04	244.37	265.12	271.32	-	6.06	6.14	6.53	6.65	-
3632	Household refrigerators and freezers	267.86	263.87	294.17	298.89	-	6.47	6.63	7.21	7.29	-
3633	Household laundry equipment	299.71	286.31	312.26	349.43	-	7.31	7.23	7.71	8.07	-
3634	Electric housewares and fans	204.69	209.62	215.74	211.46	-	5.13	5.28	5.34	5.34	-
364	Electric lighting and wiring equipment	234.58	227.83	244.80	252.32	-	5.68	5.71	6.00	6.08	-
3641	Electric lamps	270.57	246.84	273.55	275.46	-	6.22	6.11	6.56	6.59	-
3643	Current-carrying wiring devices	212.74	214.27	239.36	243.80	-	5.24	5.33	5.74	5.75	-
3644	Noncurrent-carrying wiring devices	236.55	224.62	253.83	257.75	-	5.70	5.73	6.33	6.38	-
3645	Residential lighting fixtures	172.28	165.35	181.97	181.72	-	4.51	4.53	4.69	4.72	-
365	Radio and TV receiving equipment	216.50	213.33	237.94	244.67	-	5.58	5.75	6.07	6.21	-
3651	Radio and TV receiving sets	221.36	215.94	244.77	248.29	-	5.72	5.90	6.26	6.35	-
366	Communication equipment	293.41	286.07	317.75	325.63	-	6.92	6.91	7.62	7.68	-
3661	Telephone and telegraph apparatus	294.11	288.05	333.98	344.92	-	7.07	7.06	7.99	8.04	-
3662	Radio and TV communication equipment	292.15	284.66	305.76	310.80	-	6.81	6.81	7.35	7.40	-
367	Electronic components and accessories	210.33	207.14	226.29	231.90	-	5.13	5.14	5.56	5.67	-
3671-3	Electronic tubes	272.43	269.00	295.94	311.46	-	6.41	6.42	7.08	7.16	-
3674	Semiconductors and related devices	239.67	234.58	258.54	268.80	-	5.72	5.68	6.20	6.40	-
3679	Electronic components, nec	196.66	192.23	210.77	215.06	-	4.82	4.83	5.23	5.31	-
369	Misc. electrical equipment and supplies	311.41	258.39	298.74	314.42	-	7.31	7.26	7.34	7.54	-
3691	Storage batteries	316.09	301.02	304.91	301.25	-	7.42	7.36	7.51	7.55	-
3694	Engine electrical equipment	350.60	334.15	326.00	354.90	-	8.23	8.19	8.15	8.45	-
37	TRANSPORTATION EQUIPMENT	374.25	349.45	354.14	379.14	356.40	8.41	8.34	8.68	8.90	8.80
371	Motor vehicles and equipment	417.65	381.27	362.98	400.18	-	9.04	8.95	9.12	9.35	-
3711	Motor vehicles and car bodies	451.23	398.79	390.04	435.00	-	9.56	9.45	9.80	10.00	-
3713	Truck and bus bodies	291.04	280.50	295.64	325.36	-	7.03	7.03	7.60	7.71	-
3714	Motor vehicle parts and accessories	412.53	385.85	355.11	385.48	-	8.91	8.87	8.90	9.07	-
3715	Truck trailers	234.02	218.95	249.25	253.23	-	5.97	5.87	6.31	6.46	-
372	Aircraft and parts	346.62	341.12	368.94	383.25	-	7.95	7.97	8.58	8.75	-
3721	Aircraft	350.78	351.05	375.33	379.64	-	8.12	8.26	8.79	8.87	-
3724	Aircraft engines and engine parts	362.75	351.35	380.03	414.33	-	8.32	8.19	8.90	9.29	-
3728	Aircraft equipment, nec	319.96	308.73	343.54	355.39	-	7.19	7.13	7.79	7.88	-
373	Ship and boat building and repairing	279.57	271.26	303.91	310.64	-	6.92	6.92	7.56	7.67	-
3731	Shipbuilding and repairing	300.29	291.17	319.56	327.64	-	7.36	7.39	7.91	8.05	-
3732	Boat building and repairing	218.28	215.51	248.61	252.49	-	5.54	5.54	6.31	6.36	-
374	Railroad equipment	358.26	349.32	396.45	398.11	-	8.53	8.52	9.53	9.57	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	42.9	41.1	39.2	40.2	-	3.4	2.5	2.2	2.5	-
3532	Mining machinery	44.1	43.4	42.1	42.3	-	4.8	4.2	3.1	3.4	-
3533	Oil field machinery	46.3	44.5	43.1	43.5	-	6.5	6.0	5.4	5.9	-
3536	Conveyors and conveying equipment	43.4	41.8	41.5	41.9	-	5.3	4.0	3.7	3.7	-
3537	Industrial trucks and tractors	42.8	41.5	40.7	42.7	-	4.3	3.8	3.0	3.9	-
354	Metalworking machinery	45.4	44.2	43.8	44.8	-	6.8	6.2	6.0	6.4	-
3541	Machine tools, metal cutting types	46.1	45.1	44.7	45.7	-	7.6	6.6	6.9	7.6	-
3542	Machine tools, metal forming types	44.8	42.3	42.7	43.5	-	8.8	7.2	6.2	6.4	-
3544	Special dies, tools, jigs, and fixtures	46.9	45.6	44.1	45.3	-	7.6	7.2	6.2	6.6	-
3545	Machine tool accessories	43.5	43.1	43.6	44.5	-	5.8	5.4	6.0	6.2	-
3548	Power driven hand tools	42.5	39.6	42.2	42.7	-	4.5	2.9	4.4	4.9	-
355	Special industry machinery	43.0	41.4	42.3	43.9	-	4.8	3.8	4.2	4.7	-
3551	Food products machinery	43.1	41.7	41.3	42.5	-	4.4	3.6	3.5	4.1	-
3552	Textile machinery	42.8	40.6	40.7	42.1	-	4.1	2.9	3.1	3.5	-
3555	Printing trades machinery	43.5	41.3	43.8	47.3	-	5.1	4.0	4.9	5.6	-
356	General industrial machinery	42.8	41.7	42.1	42.9	-	5.2	4.3	4.5	4.8	-
3561	Pumps and pumping equipment	42.7	41.3	41.3	42.8	-	4.6	3.8	3.8	4.6	-
3562	Bell and roller bearings	43.0	42.1	42.9	42.8	-	6.1	5.3	5.4	5.1	-
3563	Air and gas compressors	42.4	40.9	44.0	43.8	-	4.3	3.6	5.7	5.8	-
3564	Blowers and fans	42.5	41.1	41.7	42.8	-	4.3	3.7	4.8	5.1	-
3566	Speed changers, drives, and gears	44.5	43.9	43.2	45.1	-	7.1	5.2	4.8	6.6	-
3568	Power transmission equipment, nec	43.3	41.8	41.5	42.2	-	5.6	4.6	3.7	3.7	-
357	Office and computing machines	42.7	41.5	42.5	43.2	-	3.5	2.8	3.5	3.8	-
3573	Electronic computing equipment	43.1	42.0	42.3	43.5	-	3.6	3.0	3.5	3.9	-
358	Refrigeration and service machinery	42.0	40.2	40.0	41.0	-	3.7	3.0	2.3	2.9	-
3585	Refrigeration and heating equipment	42.3	40.6	40.1	41.0	-	3.9	3.4	2.4	2.8	-
359	Misc. machinery, except electrical	44.3	42.7	41.2	41.8	-	5.5	5.1	4.2	4.4	-
3592	Carburetors, pistons, rings, valves	46.7	43.4	39.9	42.2	-	4.6	5.1	3.2	3.6	-
3599	Machinery, except electrical, nec	43.8	42.5	41.4	41.7	-	5.7	5.1	4.4	4.5	-
ELECTRIC AND ELECTRONIC EQUIPMENT											
36	Electric distributing equipment	41.3	40.3	40.9	41.4	40.3	3.3	2.8	3.0	3.0	-
361	Transformers	41.3	40.0	40.8	41.5	-	3.6	2.6	3.2	3.7	-
3612	Switchgear and switchboard apparatus	41.4	40.8	40.8	41.5	-	3.9	3.2	3.3	4.0	-
3613	Electrical industrial apparatus	41.1	39.3	40.9	41.6	-	3.4	2.1	3.0	3.4	-
362	Motors and generators	41.5	40.9	41.1	41.7	-	3.6	3.2	3.2	3.5	-
3621	Industrial controls	41.3	40.9	40.8	41.4	-	3.6	3.4	3.4	3.4	-
3622	Household appliances	41.5	40.4	41.2	42.2	-	3.2	2.3	2.6	3.3	-
363	Household refrigerators and freezers	40.6	39.8	40.6	40.8	-	2.6	2.2	3.0	3.0	-
3632	Household laundry equipment	41.4	35.8	40.8	41.0	-	1.8	1.8	2.7	2.2	-
3633	Electric housewares and fans	41.0	39.6	40.5	43.3	-	3.0	.9	1.6	3.8	-
3634	Electric lighting and wiring equipment	39.9	39.7	40.4	39.6	-	2.6	2.5	3.5	2.6	-
364	Electric lamps	41.3	39.9	40.8	41.5	-	3.2	3.0	3.1	2.9	-
3641	Current-carrying wiring devices	43.5	40.4	41.7	41.8	-	3.5	2.9	2.8	2.4	-
3643	Noncurrent-carrying wiring devices	40.6	40.2	41.7	42.4	-	3.0	2.8	3.9	3.7	-
3644	Residential lighting fixtures	41.5	39.2	40.1	40.4	-	3.1	2.8	2.4	2.6	-
3645	Radio and TV receiving equipment	38.2	36.5	38.8	38.5	-	2.1	1.5	2.4	1.8	-
365	Radio and TV receiving sets	38.8	37.1	39.2	39.4	-	1.9	1.7	1.9	1.8	-
3651	Communication equipment	38.7	36.6	39.1	39.1	-	1.8	1.7	1.9	1.7	-
366	Telephone and telegraph apparatus	42.4	41.4	41.7	42.4	-	3.5	2.8	3.2	3.4	-
3661	Radio and TV communication equipment	41.6	40.8	41.8	42.9	-	3.7	3.1	3.9	4.0	-
3662	Electronic components and accessories	42.9	41.8	41.6	42.0	-	3.4	2.6	2.7	2.9	-
367-1-3	Electronic tubes	41.0	40.3	40.7	40.9	-	3.2	2.8	3.3	3.1	-
3674	Semiconductors and related devices	42.5	41.9	41.8	43.5	-	2.7	2.0	2.6	2.6	-
3679	Electronic components, nec	41.9	41.3	41.7	42.0	-	4.0	3.6	4.3	4.2	-
368	Misc. electrical equipment and supplies	40.8	39.8	40.3	40.5	-	3.2	2.7	3.2	2.9	-
3689	Storage batteries	42.6	41.1	40.7	41.7	-	4.0	3.8	2.4	2.3	-
3691	Engine electrical equipment	42.6	40.9	40.6	39.9	-	5.0	4.4	2.6	2.2	-
3694	Engine electrical equipment	42.6	40.8	40.0	42.0	-	3.7	3.9	1.7	1.6	-
TRANSPORTATION EQUIPMENT											
37	Motor vehicles and equipment	44.5	41.9	40.8	42.6	40.5	5.7	5.1	3.3	3.3	-
371	Motor vehicles and car bodies	46.2	42.6	39.8	42.8	-	6.6	6.0	2.5	2.2	-
3711	Truck and bus bodies	47.2	42.2	39.8	43.5	-	7.1	6.0	2.5	2.0	-
3713	Motor vehicle parts and accessories	41.4	39.9	38.9	42.2	-	4.6	4.4	2.5	2.7	-
3714	Truck trailers	46.3	43.5	39.9	42.5	-	6.7	6.4	2.4	2.4	-
3715	Aircraft and parts	39.2	37.3	39.5	39.2	-	3.2	1.9	2.0	1.9	-
372	Aircraft	43.6	42.8	43.0	43.8	-	5.4	4.8	5.1	5.5	-
3721	Aircraft engines and engine parts	43.2	42.5	42.7	42.8	-	4.4	4.3	4.3	4.3	-
3724	Aircraft equipment, nec	43.6	42.9	42.7	44.6	-	6.4	5.2	5.9	7.1	-
3728	Ship and boat building and repairing	44.5	43.3	44.1	45.1	-	6.4	5.3	5.9	6.2	-
373	Ship building and repairing	40.4	39.2	40.2	40.5	-	3.1	2.9	3.2	3.6	-
3731	Boat building and repairing	40.8	39.4	40.4	40.7	-	3.2	2.9	3.4	3.9	-
3732	Railroad equipment	39.4	38.9	39.4	39.7	-	2.8	2.9	2.6	2.7	-
374	Railroad equipment	42.0	41.0	41.6	41.6	-	5.0	4.4	4.2	3.7	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$353.58	\$347.57	\$362.50	\$374.96	-	\$7.91	\$7.99	\$8.59	\$8.60	-
3761	Guided missiles and space vehicles	356.53	349.32	370.58	384.56	-	8.14	8.20	8.74	8.74	-
379	Miscellaneous transportation equipment	230.92	218.28	259.62	261.56	-	5.73	5.79	6.64	6.69	-
3792	Travel trailers and campers	193.16	190.05	225.07	219.63	-	5.11	5.25	5.97	5.92	-
38	INSTRUMENTS AND RELATED PRODUCTS	248.12	243.19	264.55	270.63	\$258.24	5.95	5.99	6.39	6.49	\$6.44
381	Engineering and scientific instruments	275.25	258.74	285.42	303.73	-	6.27	6.28	6.70	6.81	-
382	Measuring and controlling devices	252.00	246.63	266.46	271.88	-	6.00	6.03	6.39	6.52	-
3822	Environmental controls	234.68	227.66	242.08	246.27	-	5.71	5.72	5.69	5.92	-
3823	Process control instruments	266.30	253.78	282.10	284.49	-	6.15	6.13	6.50	6.51	-
3825	Instruments to measure electricity	262.48	262.71	284.35	296.31	-	6.22	6.27	6.82	7.14	-
383	Optical instruments and lenses	291.84	285.29	289.76	313.90	-	6.40	6.44	6.77	6.96	-
384	Medical instruments and supplies	207.87	201.88	220.18	228.22	-	5.12	5.15	5.45	5.58	-
3841	Surgical and medical instruments	200.31	195.42	212.70	218.71	-	4.85	4.91	5.15	5.27	-
3842	Surgical appliances and supplies	215.47	209.04	227.26	237.69	-	5.36	5.36	5.71	5.84	-
385	Ophthalmic goods	184.24	184.86	200.38	201.45	-	4.70	4.74	5.06	5.10	-
386	Photographic equipment and supplies	326.32	324.10	355.73	349.85	-	7.66	7.68	8.37	8.43	-
387	Watches, clocks, and watchcases	183.81	179.18	192.06	201.39	-	4.63	4.63	4.55	5.06	-
39	MISCELLANEOUS MANUFACTURING										
	INDUSTRIES	191.48	190.30	203.94	206.71	208.54	4.66	4.93	5.15	5.22	5.32
391	Jewelry, silverware, and plated ware	195.42	187.87	212.00	208.79	-	4.96	4.97	5.30	5.34	-
3911	Jewelry, precious metal	192.17	180.81	207.60	205.28	-	4.94	4.90	5.19	5.25	-
393	Musical instruments	189.34	186.28	212.05	207.76	-	4.71	4.74	5.21	5.22	-
394	Toys and sporting goods	172.93	173.66	182.42	183.91	-	4.48	4.57	4.63	4.74	-
3942, 4	Dolls, games, toys, and children's vehicles	161.41	169.79	173.71	173.42	-	4.27	4.48	4.42	4.60	-
3949	Sporting and athletic goods, nec	182.35	176.40	192.06	192.55	-	4.64	4.63	4.85	4.85	-
395	Pens, pencils, office and art supplies	209.48	203.20	219.65	227.80	-	5.06	5.08	5.28	5.36	-
396	Costume jewelry and notions	154.50	158.34	166.32	169.34	-	4.12	4.20	4.40	4.48	-
3961	Costume jewelry	138.52	146.43	152.40	152.76	-	3.88	3.99	4.13	4.22	-
399	Miscellaneous manufactures	218.69	216.31	230.84	234.32	-	5.49	5.49	5.80	5.80	-
3993	Signs and advertising displays	229.64	226.00	239.58	243.41	-	5.67	5.78	6.05	6.01	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	242.61	240.56	261.70	264.62	261.76	6.02	6.09	6.51	6.55	6.61
201	Meat products	246.83	248.75	267.85	264.80	-	6.14	6.25	6.63	6.62	-
2011	Meat packing plants	309.01	318.42	348.07	338.78	-	7.34	7.51	7.99	7.99	-
2013	Sausages and other prepared meats	285.42	272.69	311.30	309.14	-	7.03	7.01	7.63	7.69	-
2016	Poultry dressing plants	147.75	146.15	157.81	159.78	-	3.94	3.95	4.30	4.33	-
202	Dairy products	250.66	250.51	270.76	269.69	-	6.04	6.11	6.54	6.53	-
2022	Cheese, natural and processed	223.97	222.71	242.81	244.84	-	5.67	5.74	6.21	6.23	-
2026	Fluid milk	263.69	263.13	286.52	286.33	-	6.19	6.25	6.61	6.69	-
203	Preserved fruits and vegetables	198.92	199.02	211.62	222.32	-	5.14	5.21	5.44	5.60	-
2032	Canned specialties	255.73	246.33	267.33	280.14	-	6.06	5.95	6.29	6.53	-
2033	Canned fruits and vegetables	195.70	197.32	202.37	217.33	-	5.07	5.22	5.27	5.53	-
2037	Frozen fruits and vegetables	181.28	181.42	196.94	203.81	-	4.66	4.93	5.28	5.28	-
204	Grain mill products	299.25	286.02	321.05	326.78	-	6.65	6.56	7.28	7.36	-
2041	Flour and other grain mill products	332.75	303.97	359.48	350.32	-	7.11	6.94	7.60	7.55	-
2048	Prepared feeds, nec	237.89	236.12	261.51	266.26	-	5.31	5.33	5.93	5.97	-
205	Bakery products	242.35	235.75	270.28	267.84	-	6.23	6.27	6.86	6.85	-
2051	Bread, cake, and related products	240.86	234.87	271.26	265.65	-	6.24	6.28	6.92	6.90	-
2052	Cookies and crackers	247.38	237.36	266.40	274.03	-	6.20	6.23	6.66	6.70	-
206	Sugar and confectionery products	227.03	225.04	250.00	248.92	-	5.69	5.80	6.25	6.27	-
2061-3	Cane and beet sugar	272.24	270.14	309.82	300.70	-	6.56	6.72	7.52	7.48	-
2065	Confectionery products	193.72	192.51	213.49	218.34	-	4.98	5.12	5.46	5.57	-
207	Fats and oils	278.13	276.42	291.49	297.21	-	6.25	6.34	6.58	6.59	-
208	Beverages	294.98	284.40	313.18	319.39	-	7.23	7.20	7.81	7.79	-
2082	Malt beverages	417.31	407.69	443.81	449.02	-	9.66	9.73	10.72	10.59	-
2086	Bottled and canned soft drinks	211.07	206.95	219.79	227.26	-	5.33	5.32	5.65	5.71	-
209	Misc. foods and kindred products	205.64	199.39	215.64	224.65	-	5.30	5.36	5.72	5.79	-
21	TOBACCO MANUFACTURES	239.78	229.60	273.39	280.90	269.80	6.18	6.36	7.01	7.04	7.10
211	Cigarettes	297.14	271.83	328.84	336.56	-	7.58	7.53	8.18	8.31	-
22	TEXTILE MILL PRODUCTS	182.78	180.35	200.72	203.01	200.98	4.48	4.52	4.86	4.88	4.89
221	Weaving mills, cotton	198.05	196.98	218.44	219.96	-	4.66	4.69	5.08	5.08	-
222	Weaving mills, synthetics	198.13	196.24	215.97	217.65	-	4.74	4.74	5.13	5.15	-
223	Weaving and finishing mills, wool	189.77	186.86	200.29	207.17	-	4.54	4.58	4.97	4.98	-
224	Narrow fabric mills	167.67	168.02	180.85	183.79	-	4.14	4.19	4.51	4.45	-
225	Knitting mills	157.80	154.56	176.40	178.94	-	4.12	4.20	4.50	4.53	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	44.7	43.5	42.2	43.6	-	5.7	5.1	4.3	4.7	-
3761	Guided missiles and space vehicles	43.8	42.6	42.4	44.0	-	5.1	4.4	3.7	4.2	-
379	Miscellaneous transportation equipment	40.3	37.7	39.1	39.1	-	1.9	1.5	1.6	1.7	-
3792	Travel trailers and campers	37.8	36.2	37.7	37.1	-	1.3	1.1	1.4	.9	-
	INSTRUMENTS AND RELATED PRODUCTS	41.7	40.6	41.4	41.7	40.1	3.1	2.6	2.9	3.0	-
381	Engineering and scientific instruments	43.9	41.2	42.6	44.6	-	4.0	3.3	4.1	4.6	-
382	Measuring and controlling devices	42.0	40.9	41.7	41.7	-	3.0	2.5	3.0	2.9	-
3822	Environmental controls	41.1	39.8	41.1	41.6	-	2.7	1.7	2.1	2.2	-
3823	Process control instruments	43.3	41.4	43.4	43.7	-	4.4	3.2	3.5	4.2	-
3825	Instruments to measure electricity	42.2	41.9	41.7	41.5	-	2.3	2.3	2.9	2.4	-
383	Optical instruments and lenses	45.6	44.3	42.8	45.1	-	4.5	3.8	3.5	4.5	-
384	Medical instruments and supplies	40.6	39.2	40.4	40.9	-	2.9	2.3	2.8	2.9	-
3841	Surgical and medical instruments	41.3	39.8	41.3	41.5	-	3.7	3.1	3.2	3.1	-
3842	Surgical appliances and supplies	40.2	39.0	39.8	40.7	-	2.5	1.9	2.7	3.1	-
385	Ophthalmic goods	39.2	39.0	39.6	39.5	-	1.9	1.8	2.0	1.9	-
386	Photographic equipment and supplies	42.6	42.2	42.5	41.5	-	3.6	3.3	3.2	3.1	-
387	Watches, clocks, and watchcases	39.7	38.7	38.8	39.8	-	2.0	1.6	1.2	1.3	-
	MISCELLANEOUS MANUFACTURING INDUSTRIES	39.4	38.6	39.6	39.6	39.2	2.5	2.0	2.8	2.6	-
391	Jewelry, silverware, and plated ware	39.4	37.8	40.0	39.1	-	3.1	1.9	3.4	3.2	-
3911	Jewelry, precious metal	38.9	36.9	40.0	39.1	-	3.2	1.9	3.8	3.7	-
393	Musical instruments	40.2	39.3	40.7	39.8	-	1.9	1.3	2.2	2.0	-
394	Toys and sporting goods	38.6	38.0	39.4	38.8	-	2.0	1.7	2.6	1.9	-
3942, 4	Dolls, games, toys, and children's vehicles	37.8	37.9	39.3	37.7	-	1.6	1.5	2.6	1.6	-
3949	Sporting and athletic goods, nec	39.3	38.1	39.6	39.7	-	2.3	1.8	2.7	2.3	-
395	Pens, pencils, office and art supplies	41.4	40.0	41.6	42.5	-	3.0	2.0	2.9	3.1	-
396	Costume jewelry and notions	37.5	37.7	37.8	37.8	-	2.3	1.9	2.3	2.4	-
-3961	Costume jewelry	35.7	36.7	36.9	36.2	-	2.0	1.6	2.0	1.9	-
399	Miscellaneous manufactures	40.2	39.4	39.8	40.4	-	2.6	2.3	3.0	2.9	-
3993	Signs and advertising displays	40.5	39.1	39.6	40.5	-	2.8	2.4	2.8	3.1	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	40.3	39.5	40.2	40.4	39.6	4.0	3.7	4.3	4.1	-
201	Meat products	40.2	39.8	40.4	40.0	-	4.1	4.2	4.8	4.4	-
2011	Meat packing plants	42.1	42.4	43.4	42.4	-	4.9	5.3	6.4	5.4	-
2013	Sausages and other prepared meats	40.6	38.9	40.8	40.2	-	4.3	3.6	4.2	4.5	-
2016	Poultry dressing plants	37.5	37.0	36.7	36.9	-	3.1	3.0	3.2	3.1	-
202	Dairy products	41.5	41.0	41.4	41.3	-	3.9	3.7	3.9	3.7	-
2022	Cheese, natural and processed	39.5	38.8	39.1	39.3	-	3.2	2.9	3.1	3.4	-
2026	Fluid milk	42.6	42.1	42.7	42.8	-	4.3	4.2	4.3	4.1	-
203	Preserved fruits and vegetables	38.7	38.2	38.9	39.7	-	3.1	2.8	3.6	3.8	-
2032	Canned specialties	42.2	41.4	42.5	42.9	-	6.4	5.8	6.6	8.3	-
2033	Canned fruits and vegetables	38.6	37.8	38.4	39.3	-	3.1	2.7	3.3	3.0	-
2037	Frozen fruits and vegetables	37.3	36.8	37.3	38.6	-	2.7	2.5	3.4	3.9	-
204	Grain mill products	45.0	43.6	44.1	44.4	-	6.8	6.5	6.7	6.3	-
2041	Flour and other grain mill products	46.8	43.8	47.3	46.4	-	7.8	6.2	8.6	7.0	-
2048	Prepared feeds, nec	44.8	44.3	44.1	44.6	-	6.8	7.0	6.5	6.6	-
205	Bakery products	38.9	37.6	39.4	39.1	-	3.3	2.8	3.7	3.3	-
2051	Bread, cake, and related products	38.6	37.4	39.2	38.5	-	3.6	3.1	4.3	3.6	-
2052	Cookies and crackers	39.9	38.1	40.0	40.9	-	2.3	1.8	2.0	2.5	-
206	Sugar and confectionery products	39.9	38.8	40.0	39.7	-	3.6	3.1	3.9	3.3	-
2061-3	Cane and beet sugar	41.5	40.2	41.2	40.2	-	5.0	4.9	5.8	4.6	-
2065	Confectionery products	38.9	37.6	39.1	39.2	-	3.1	2.3	3.1	2.9	-
207	Fats and oils	44.5	43.6	44.3	45.1	-	6.1	6.1	6.5	6.4	-
208	Beverages	40.8	39.5	40.1	41.0	-	3.9	3.4	3.8	3.9	-
2082	Malt beverages	43.2	41.9	41.4	42.4	-	5.7	5.2	5.5	5.7	-
2086	Bottled and canned soft drinks	39.6	38.9	38.9	39.8	-	3.2	2.7	3.2	3.3	-
209	Misc. foods and kindred products	38.8	37.2	37.7	38.8	-	3.4	2.8	3.2	3.3	-
	TOBACCO MANUFACTURES	38.8	36.1	39.0	39.9	38.0	2.0	.7	1.8	2.6	-
211	Cigarettes	39.2	36.1	40.2	40.5	-	2.3	.2	2.1	2.9	-
	TEXTILE MILL PRODUCTS	40.8	39.9	41.3	41.6	41.1	3.8	3.4	3.9	4.1	-
221	Weaving mills, cotton	42.5	42.0	43.0	43.3	-	4.7	4.5	5.2	5.2	-
222	Weaving mills, synthetics	41.8	41.4	42.1	42.3	-	4.4	4.1	4.2	4.5	-
223	Weaving and finishing mills, wool	41.8	40.8	40.3	41.6	-	4.0	3.8	3.7	3.9	-
224	Narrow fabric mills	40.5	40.1	40.1	41.3	-	2.8	2.7	3.4	3.1	-
225	Knitting mills	38.3	36.8	39.2	39.5	-	2.5	2.1	3.0	3.2	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$156.82	\$148.43	\$171.94	\$176.51	-	\$3.96	\$3.99	\$4.32	\$4.38	-
2252	Hosiery, nec	141.66	139.44	160.70	156.24	-	3.86	3.95	4.24	4.20	-
2253	Knit outerwear mills	147.42	144.55	171.55	175.22	-	4.05	4.13	4.41	4.47	-
2254	Knit underwear mills	145.92	143.24	152.76	153.29	-	3.64	3.99	4.22	4.27	-
2257	Circular knit fabric mills	186.18	182.56	207.75	214.21	-	4.53	4.61	4.97	4.97	-
226	Textile finishing, except wool	201.12	191.20	220.06	224.55	-	4.80	4.78	5.19	5.21	-
2261	Finishing plants, cotton	209.23	195.05	230.26	230.79	-	4.90	4.84	5.33	5.33	-
2262	Finishing plants, synthetics	210.58	202.10	227.06	233.26	-	4.99	4.99	5.33	5.35	-
227	Floor covering mills	197.66	190.24	208.16	208.89	-	4.64	4.64	4.98	4.95	-
228	Yarn and thread mills	169.29	167.56	190.07	189.61	-	4.18	4.21	4.58	4.58	-
2281	Yarn mills, except wool	170.96	169.64	193.66	195.00	-	4.18	4.22	4.60	4.61	-
2282	Throwing and winding mills	162.41	157.93	174.54	168.68	-	4.04	4.06	4.43	4.37	-
229	Miscellaneous textile goods	205.92	205.84	217.88	223.02	-	4.95	4.96	5.25	5.31	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	146.06	144.28	153.79	158.04	\$153.91	4.08	4.17	4.32	4.39	\$4.41
231	Men's and boys' suits and coats	184.02	177.76	187.97	189.75	-	4.96	5.05	5.28	5.33	-
232	Men's and boys' furnishings	132.12	132.86	148.00	151.81	-	3.67	3.84	4.00	4.07	-
2321	Men's and boys' shirts and nightwear	129.95	132.40	144.26	146.83	-	3.57	3.74	3.92	3.99	-
2327	Men's and boys' separate trousers	134.55	133.67	145.20	151.26	-	3.79	3.92	4.09	4.19	-
2328	Men's and boys' work clothing	132.84	135.28	150.54	152.88	-	3.60	3.80	3.88	3.92	-
233	Women's and misses' outerwear	134.40	136.04	142.02	144.19	-	4.00	4.11	4.33	4.33	-
2331	Women's and misses' blouses and waists	130.13	130.76	137.30	134.79	-	3.75	3.88	4.05	4.06	-
2336	Women's and misses' dresses	131.24	132.51	136.14	141.19	-	4.14	4.22	4.42	4.44	-
2337	Women's and misses' suits and coats	141.62	143.99	156.93	154.02	-	4.24	4.35	4.77	4.71	-
2339	Women's and misses' outerwear, nec	137.00	138.90	145.12	148.39	-	3.87	3.98	4.17	4.18	-
234	Women's and children's undergarments	128.85	131.86	146.57	143.45	-	3.65	3.60	3.94	3.93	-
2341	Women's and children's underwear	126.02	129.40	145.51	142.80	-	3.58	3.74	3.87	3.87	-
2342	Brassieres and allied garments	140.30	141.91	150.52	146.16	-	3.93	4.02	4.24	4.20	-
236	Children's outerwear	130.68	133.08	143.39	145.16	-	3.64	3.77	3.95	4.01	-
2361	Children's dresses and blouses	129.24	133.92	140.09	139.12	-	3.58	3.72	3.87	3.93	-
238	Misc. apparel and accessories	143.89	142.40	158.79	157.44	-	3.91	4.00	4.28	4.29	-
239	Misc. fabricated textile products	192.94	177.86	182.88	198.18	-	4.82	4.82	4.80	5.03	-
2391	Curtains and draperies	135.55	128.13	147.07	148.22	-	3.93	3.64	3.86	3.87	-
2392	House furnishing, nec	158.77	148.96	170.74	172.26	-	4.04	4.07	4.29	4.35	-
2396	Automotive and apparel trimmings	349.08	301.08	279.31	241.70	-	7.88	7.72	7.59	8.04	-
26	PAPER AND ALLIED PRODUCTS	294.69	289.68	318.32	326.56	321.86	6.79	6.80	7.42	7.49	7.52
261, 26A	Paper and pulp mills	354.63	353.21	393.24	393.24	-	7.76	7.78	8.70	8.70	-
262	Paper mills, except building paper	358.20	357.88	394.90	394.94	-	7.77	7.78	8.66	8.68	-
263	Paperboard mills	352.72	356.17	392.05	401.81	-	8.09	8.04	8.01	8.81	-
264	Misc. converted paper products	254.75	249.08	268.62	281.72	-	6.08	6.09	6.52	6.66	-
2641	Paper coating and glazing	303.79	298.16	308.72	328.26	-	6.92	6.87	7.23	7.36	-
2642	Envelopes	236.88	228.83	243.81	254.79	-	5.64	5.65	6.02	6.11	-
2643	Bags, except textile bags	242.68	238.46	260.20	270.47	-	5.71	5.76	6.21	6.29	-
265	Paperboard containers and boxes	263.41	252.14	275.94	285.24	-	6.14	6.12	6.57	6.68	-
2651	Folding paperboard boxes	279.59	258.54	281.82	303.16	-	6.34	6.26	6.71	6.89	-
2653	Corrugated and solid fiber boxes	276.92	266.46	290.02	293.29	-	6.44	6.39	6.84	6.95	-
2654	Sanitary food containers	237.42	231.58	260.63	280.96	-	5.68	5.69	6.25	6.40	-
27	PRINTING AND PUBLISHING	256.61	249.31	268.71	272.42	270.38	6.70	6.72	7.09	7.15	7.21
271	Newspapers	246.38	237.22	259.39	257.82	-	7.08	7.06	7.39	7.43	-
272	Periodicals	238.23	235.62	253.17	267.63	-	6.14	6.12	6.68	6.88	-
273	Books	235.39	227.50	245.07	247.65	-	5.87	5.94	6.30	6.35	-
2731	Book publishing	221.69	218.83	236.90	232.03	-	5.57	5.64	6.09	6.09	-
2732	Book printing	248.65	237.38	255.06	265.86	-	6.17	6.28	6.54	6.63	-
274	Miscellaneous publishing	221.77	208.86	222.88	226.04	-	6.01	5.90	6.14	6.06	-
275	Commercial printing	271.26	265.11	284.13	288.67	-	6.92	6.94	7.38	7.44	-
2751	Commercial printing, letterpress	251.16	247.11	262.58	266.57	-	6.49	6.52	6.91	6.96	-
2752	Commercial printing, lithographic	282.82	275.28	292.20	299.88	-	7.16	7.15	7.57	7.65	-
276	Manifold business forms	276.92	270.86	289.23	300.03	-	6.44	6.48	6.87	7.01	-
278	Blankbooks and bookbinding	206.00	201.89	212.31	219.38	-	5.15	5.19	5.43	5.54	-
279	Printing trade services	336.11	328.50	353.47	359.33	-	8.73	8.76	9.11	9.12	-
28	CHEMICALS AND ALLIED PRODUCTS	307.94	305.24	331.33	333.75	329.93	7.28	7.32	7.87	7.89	7.95
281	Industrial inorganic chemicals	336.66	330.96	368.51	368.08	-	7.94	7.88	8.61	8.58	-
2819	Industrial inorganic chemicals, nec	335.58	327.44	368.46	371.06	-	7.99	7.89	8.69	8.69	-
282	Plastics materials and synthetics	302.74	299.88	324.31	326.34	-	7.09	7.14	7.74	7.77	-
2821	Plastics materials and resins	343.20	332.56	363.36	366.30	-	7.80	7.77	8.47	8.44	-
2824	Organic fibers, noncellulosic	277.20	277.79	302.73	307.93	-	6.60	6.71	7.33	7.42	-
283	Drugs	278.94	276.30	299.82	305.65	-	6.61	6.69	7.19	7.26	-
2834	Pharmaceutical preparations	270.22	267.32	286.18	293.28	-	6.48	6.52	6.98	7.05	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	39.6	37.2	39.8	40.3	-	3.4	2.0	3.9	4.5	-
2252	Hosiery, nec	36.7	35.3	37.9	37.2	-	1.7	1.5	2.0	1.4	-
2253	Knit outerwear mills	36.4	35.0	38.9	39.2	-	1.7	1.3	2.6	2.8	-
2254	Knit underwear mills	38.0	35.9	36.2	35.9	-	2.0	1.3	1.3	1.6	-
2257	Circular knit fabric mills	41.1	39.6	41.8	43.1	-	4.1	3.8	4.8	5.5	-
226	Textile finishing, except wool	41.9	40.0	42.4	43.1	-	4.8	3.3	4.3	4.4	-
2261	Finishing plants, cotton	42.7	40.3	43.2	43.3	-	5.4	3.5	4.7	4.4	-
2262	Finishing plants, synthetics	42.2	40.5	42.6	43.6	-	5.2	3.8	4.7	4.8	-
227	Floor covering mills	42.6	41.0	41.8	42.2	-	5.2	4.3	4.1	4.7	-
228	Yarn and thread mills	40.5	39.8	41.5	41.4	-	3.4	3.3	4.0	4.0	-
2281	Yarn mills, except wool	40.9	40.2	42.1	42.3	-	3.7	3.6	4.4	4.6	-
2282	Throwing and winding mills	40.2	38.9	39.4	38.6	-	3.2	2.7	3.0	2.2	-
229	Miscellaneous textile goods	41.6	41.5	41.5	42.0	-	3.9	4.0	3.5	3.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.8	34.6	35.6	36.0	34.9	1.1	.9	1.2	1.2	-
231	Men's and boys' suits and coats	37.1	35.2	35.6	35.6	-	.9	.8	.6	.6	-
232	Men's and boys' furnishings	36.0	34.6	37.0	37.3	-	.9	.7	1.3	1.5	-
2321	Men's and boys' shirts and nighwear	36.4	35.4	36.8	36.8	-	1.0	.8	1.2	1.2	-
2327	Men's and boys' separate trousers	35.5	34.1	35.5	36.1	-	.7	.4	1.0	1.3	-
2328	Men's and boys' work clothing	36.9	35.6	38.8	39.0	-	1.1	.8	1.5	2.1	-
233	Women's and misses' outerwear	33.6	33.1	32.8	33.3	-	1.0	.9	.9	.9	-
2331	Women's and misses' blouses and waists	34.7	33.7	33.9	33.2	-	.9	.9	.7	.7	-
2335	Women's and misses' dresses	31.7	31.4	30.8	31.8	-	.9	.8	.9	.8	-
2337	Women's and misses' suits and coats	33.4	33.1	32.9	32.7	-	.6	.7	.7	.6	-
2339	Women's and misses' outerwear, nec	35.4	34.9	34.8	35.5	-	1.3	1.1	1.1	1.2	-
234	Women's and children's undergarments	35.3	34.7	37.2	36.5	-	.8	.6	1.4	1.2	-
2341	Women's and children's underwear	35.2	34.6	37.6	36.9	-	.9	.7	1.5	1.3	-
2342	Brasieres and allied garments	35.7	35.3	35.5	34.8	-	.6	.4	1.2	.9	-
236	Children's outerwear	35.9	35.3	36.3	36.2	-	1.1	.9	1.3	1.1	-
2361	Children's dresses and blouses	36.1	36.0	36.2	35.4	-	1.2	1.2	1.2	.9	-
238	Misc. apparel and accessories	36.8	35.6	37.1	36.7	-	1.4	1.2	1.8	1.2	-
239	Misc. fabricated textile products	39.7	36.9	38.1	39.4	-	2.2	1.7	1.6	1.6	-
2391	Curtains and draperies	38.4	35.2	38.1	38.3	-	1.7	1.0	1.2	1.0	-
2392	House furnishings, nec	39.3	36.6	39.8	39.6	-	2.2	1.5	2.8	2.8	-
2396	Automotive and apparel trimmings	44.3	39.0	36.8	42.5	-	3.7	3.3	.6	.7	-
26	PAPER AND ALLIED PRODUCTS	43.4	42.6	42.9	43.6	42.8	5.2	4.9	5.0	5.0	-
261, 2, 6	Paper and pulp mills	45.7	45.4	45.2	45.2	-	7.0	7.0	7.1	6.7	-
262	Paper mills, except building paper	46.1	46.0	45.6	45.5	-	7.2	7.3	7.2	6.7	-
263	Paperboard mills	43.6	44.3	44.5	45.3	-	7.1	7.0	7.5	7.6	-
264	Misc. converted paper products	41.9	40.9	41.2	42.3	-	3.9	3.7	3.4	3.7	-
2641	Paper coating and glazing	43.9	43.4	42.7	44.6	-	5.4	5.4	4.4	4.9	-
2642	Envelopes	42.0	40.5	40.5	41.7	-	3.8	3.2	3.0	3.5	-
2643	Bags, except textile bags	42.5	41.4	41.9	43.0	-	4.1	3.7	3.6	3.9	-
265	Paperboard containers and boxes	42.9	41.2	42.0	42.7	-	4.3	3.6	3.9	3.8	-
2651	Folding paperboard boxes	44.1	41.3	42.0	44.0	-	4.8	3.5	3.6	4.1	-
2653	Corrugated and solid fiber boxes	43.0	41.7	42.4	42.2	-	4.7	4.0	4.3	3.9	-
2654	Sanitary food containers	41.8	40.7	41.7	43.9	-	3.2	3.2	3.1	3.6	-
27	PRINTING AND PUBLISHING	38.3	37.1	37.9	38.1	37.5	3.3	2.7	3.0	3.1	-
271	Newspapers	34.8	33.6	35.1	34.7	-	2.5	1.7	2.5	2.3	-
272	Periodicals	38.8	38.5	37.9	38.9	-	3.1	3.1	2.1	2.6	-
273	Books	40.1	38.3	38.9	39.0	-	3.8	3.3	3.1	3.4	-
2731	Book publishing	39.8	38.8	38.9	38.1	-	2.4	2.2	2.1	2.2	-
2732	Book printing	40.3	37.8	39.0	40.1	-	5.3	4.4	4.1	4.7	-
274	Miscellaneous publishing	36.9	35.4	36.3	37.3	-	2.4	2.1	2.4	2.2	-
275	Commercial printing	39.2	38.2	38.5	38.8	-	3.7	3.1	3.2	3.5	-
2751	Commercial printing, letterpress	38.7	37.9	38.0	38.3	-	3.1	2.6	2.8	3.0	-
2752	Commercial printing, lithographic	39.5	38.5	38.6	39.2	-	4.1	3.3	3.3	3.6	-
276	Manifold business forms	43.0	41.8	42.1	42.8	-	5.0	4.0	4.0	4.4	-
276	Blankbooks and bookbinding	40.0	38.9	39.1	39.6	-	2.5	2.1	2.2	2.3	-
279	Printing trade service	38.5	37.5	38.8	39.4	-	3.5	2.7	3.7	3.7	-
28	CHEMICALS AND ALLIED PRODUCTS	42.3	41.7	42.1	42.3	41.5	3.5	3.5	3.6	3.4	-
281	Industrial inorganic chemicals	42.4	42.0	42.8	42.9	-	3.6	3.7	4.1	3.6	-
2819	Industrial inorganic chemicals, nec	42.0	41.5	42.4	42.7	-	3.2	2.9	3.9	3.6	-
282	Plastics materials and synthetics	42.7	42.0	41.9	42.0	-	3.3	3.4	3.4	3.1	-
2821	Plastics materials and resins	44.0	42.8	42.9	43.4	-	4.6	4.5	4.5	4.4	-
2824	Organic fibers, noncellulosic	42.0	41.4	41.3	41.5	-	2.2	2.3	2.3	2.3	-
283	Drugs	42.2	41.3	41.7	42.1	-	3.2	2.9	2.9	3.2	-
2834	Pharmaceutical preparations	41.7	41.0	41.0	41.6	-	3.2	2.8	2.9	3.2	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$288.52	\$282.61	\$303.32	\$305.12	-	\$7.02	\$7.03	\$7.38	\$7.37	-
2841	Soap and other detergents	391.50	395.08	423.91	423.36	-	9.00	9.02	9.79	9.80	-
2844	Toilet preparations	228.67	212.06	234.40	238.32	-	5.76	5.64	5.66	5.87	-
2842, 3	Polishing, sanitation, and finishing preparations	255.73	250.11	269.87	269.06	-	6.33	6.30	6.73	6.66	-
285	Paints and allied products	271.88	271.42	277.67	284.95	-	6.52	6.62	6.89	6.95	-
286	Industrial organic chemicals	368.08	371.52	403.79	400.90	-	8.56	8.64	9.24	9.28	-
2865	Cyclic crudes and intermediates	349.92	339.29	376.27	368.93	-	8.10	8.04	8.63	8.64	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	374.95	383.64	413.40	412.73	-	8.74	8.86	9.46	9.51	-
287	Agricultural chemicals	301.31	298.64	332.54	341.10	-	7.04	7.06	7.68	7.77	-
289	Miscellaneous chemical products	288.74	281.25	307.65	309.33	-	6.81	6.81	7.36	7.33	-
29	PETROLEUM AND COAL PRODUCTS	388.49	385.63	428.74	417.25	\$421.09	8.89	9.01	9.57	9.44	\$9.77
291	Petroleum refining	411.35	412.48	458.75	444.57	-	9.50	9.66	10.24	10.09	-
295	Paving and roofing materials	323.62	299.78	340.18	333.34	-	7.02	6.66	7.46	7.31	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	242.34	239.20	247.44	253.15	249.60	5.77	5.82	6.14	6.22	6.24
301	Tires and inner tubes	375.91	375.42	368.74	377.73	-	8.28	8.38	9.06	9.08	-
302	Rubber and plastics footwear	156.82	149.20	166.92	177.14	-	3.97	4.00	4.28	4.31	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	250.67	244.67	261.70	264.32	-	5.94	5.91	6.43	6.40	-
306	Fabricated rubber products, nec	228.10	225.09	233.60	240.17	-	5.47	5.49	5.84	5.93	-
307	Miscellaneous plastics products	216.83	214.25	227.70	232.07	-	5.25	5.29	5.65	5.73	-
31	LEATHER AND LEATHER PRODUCTS	148.77	149.92	159.71	163.68	166.25	4.01	4.13	4.34	4.40	4.53
311	Leather tanning and finishing	206.06	207.48	226.59	233.81	-	5.27	5.32	5.81	5.86	-
314	Footwear, except rubber	142.05	144.32	153.24	156.46	-	3.86	4.02	4.21	4.24	-
3143	Men's footwear, except athletic	151.60	153.09	164.80	165.99	-	4.00	4.16	4.43	4.45	-
3144	Women's footwear, except athletic	135.36	138.06	143.02	149.33	-	3.76	3.90	4.04	4.08	-
316	Luggage	160.45	152.51	169.34	189.35	-	4.36	4.26	4.54	5.09	-
317	Handbags and personal leather goods	141.75	141.93	150.63	149.51	-	3.79	3.91	4.06	4.03	-
	TRANSPORTATION AND PUBLIC UTILITIES	315.57	312.84	342.50	343.71	338.58	7.65	7.90	8.52	8.55	8.55
4011	RAILROAD TRANSPORTATION: Class I railroads ²	359.75	375.76	414.85	(*)	-	8.27	8.54	9.26	(*)	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	191.08	191.65	206.65	206.99	-	5.62	5.67	6.06	6.07	-
411	Local and suburban transportation	284.97	275.65	278.24	276.41	-	6.90	6.84	6.87	6.98	-
413	Intercity highway transportation	287.45	306.81	349.00	336.30	-	8.12	8.57	9.16	9.29	-
42	TRUCKING AND WAREHOUSING	332.88	312.42	344.05	354.71	-	8.06	7.57	8.71	8.78	-
421, 3	Trucking and trucking terminals	340.31	319.09	351.95	361.89	-	8.22	8.14	8.91	8.98	-
422	Public warehousing	224.47	217.32	248.06	254.82	-	5.64	5.63	6.14	6.17	-
46	PIPE LINES, EXCEPT NATURAL GAS	376.74	385.53	421.83	432.43	-	9.10	9.05	9.81	10.01	-
48	COMMUNICATION	302.51	303.73	331.67	326.73	-	7.62	7.67	8.23	8.23	-
481	Telephone communication	313.58	314.41	346.80	339.20	-	7.82	7.88	8.50	8.48	-
4817	Switchboard operating employees ³	223.07	219.56	236.38	203.74	-	6.41	6.42	7.12	7.09	-
4818	Line construction employees ⁴	430.80	427.55	466.26	467.40	-	9.51	9.48	10.27	10.25	-
483	Radio and television broadcasting	257.80	260.30	268.48	274.18	-	6.82	6.85	7.01	7.14	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	331.80	338.44	358.69	356.55	-	7.90	8.02	8.52	8.53	-
491	Electric services	339.89	347.49	370.21	367.63	-	7.56	8.10	8.67	8.65	-
492	Gas production and distribution	299.88	302.33	325.03	325.58	-	7.35	7.41	7.87	7.98	-
493	Combination utility services	367.04	375.24	393.86	386.78	-	8.76	8.85	9.40	9.32	-
495	Sanitary services	268.81	270.40	284.34	288.84	-	6.37	6.50	6.77	6.96	-
	WHOLESALE AND RETAIL TRADE	159.21	158.72	167.83	170.09	168.54	4.81	4.96	5.18	5.17	5.30
50, 51	WHOLESALE TRADE	240.07	237.31	255.57	260.41	255.84	6.14	6.18	6.57	6.66	6.68
50	WHOLESALE TRADE-DURABLE GOODS	244.16	240.40	257.81	264.13	-	6.15	6.18	6.56	6.67	-
501	Motor vehicles and automotive equipment	229.68	219.08	234.47	246.09	-	5.80	5.75	6.09	6.23	-
502	Furniture and home furnishings	214.10	207.94	227.56	229.58	-	5.59	5.56	6.02	6.01	-
503	Lumber and construction materials	246.76	239.71	262.52	264.37	-	6.20	6.21	6.68	6.71	-
504	Sporting goods, toys, and hobby goods	241.16	236.33	249.38	255.53	-	6.38	6.37	6.74	6.76	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	41.1	40.2	41.1	41.4	-	3.3	3.1	3.1	2.8	-
2841	Soap and other detergents	43.5	43.8	43.3	43.2	-	5.6	5.5	4.8	4.4	-
2844	Toilet preparations	39.7	37.6	40.0	40.6	-	1.8	1.5	2.1	1.8	-
2842, 3	Polishing, sanitation, and finishing preparations	40.4	39.7	40.1	40.4	-	2.8	2.7	2.6	2.3	-
285	Paints and allied products	41.7	41.0	40.3	41.0	-	3.0	3.0	2.2	2.2	-
286	Industrial organic chemicals	43.0	43.0	43.7	43.2	-	3.8	4.0	4.5	3.8	-
2865	Cyclic crudes and intermediates	43.2	42.2	43.6	42.7	-	4.5	4.1	4.8	3.7	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.9	43.3	43.7	43.4	-	3.6	4.0	4.4	3.9	-
287	Agricultural chemicals	42.8	42.3	43.3	43.9	-	4.5	4.8	4.8	5.1	-
289	Miscellaneous chemical products	42.4	41.3	41.8	42.2	-	3.9	3.5	4.0	3.5	-
29	PETROLEUM AND COAL PRODUCTS	43.7	42.8	44.8	44.2	43.1	4.5	4.2	4.8	4.2	-
291	Petroleum refining	43.3	42.7	44.8	44.1	-	3.9	3.8	4.2	3.6	-
295	Paving and roofing materials	46.1	43.7	45.6	45.6	-	7.4	6.3	7.4	7.0	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	42.0	41.1	40.3	40.7	40.0	4.0	3.8	3.2	3.1	-
301	Tires and inner tubes	45.4	44.8	40.7	41.6	-	6.4	6.0	3.2	2.6	-
302	Rubber and plastics footwear	39.5	37.3	39.0	41.1	-	2.4	1.9	2.5	3.5	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	42.2	41.4	40.7	41.3	-	4.6	4.3	3.3	3.3	-
306	Fabricated rubber products, nec	41.7	41.0	40.0	40.5	-	3.7	3.6	2.7	2.8	-
307	Miscellaneous plastics products	41.3	40.5	40.3	40.5	-	3.5	3.3	3.3	3.0	-
31	LEATHER AND LEATHER PRODUCTS	37.1	36.3	36.8	37.2	36.7	1.5	1.4	1.7	1.6	-
311	Leather tanning and finishing	39.1	39.0	39.0	39.9	-	2.6	2.7	2.6	2.7	-
314	Footwear, except rubber	36.8	35.9	36.4	36.9	-	1.3	1.1	1.4	1.4	-
3143	Men's footwear, except athletic	37.9	36.8	37.2	37.3	-	1.2	.9	1.5	1.3	-
3144	Women's footwear, except athletic	36.0	35.4	35.4	36.6	-	1.4	1.4	1.4	1.5	-
316	Luggage	36.8	35.8	37.3	37.2	-	2.2	1.9	3.0	2.9	-
317	Handbags and personal leather goods	37.4	36.3	37.1	37.1	-	1.6	1.5	1.8	1.6	-
	TRANSPORTATION AND PUBLIC UTILITIES	40.2	39.6	40.2	40.2	39.6					
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	43.5	44.0	44.8	(*)	-					
41	LOCAL AND INTERURBAN PASSENGER										
	TRANSIT	34.0	33.8	34.1	34.1	-	-	-	-	-	-
411	Local and suburban transportation	41.3	40.3	40.5	39.6	-	-	-	-	-	-
413	Intercity highway transportation	35.4	35.8	38.1	36.2	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	41.3	39.2	39.5	40.4	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	41.4	39.2	39.5	40.3	-	-	-	-	-	-
422	Public warehousing	39.8	38.6	40.4	41.3	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	41.4	42.6	43.0	43.2	-	-	-	-	-	-
48	COMMUNICATION	39.7	39.6	40.3	39.7	-	-	-	-	-	-
481	Telephone communication	40.1	39.9	40.8	40.0	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.8	34.2	33.2	33.2	-	-	-	-	-	-
4818	Line construction employees ⁴	45.3	45.1	45.4	45.6	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	38.0	38.3	38.4	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	42.0	42.2	42.1	41.8	-	-	-	-	-	-
491	Electric services	42.7	42.9	42.7	42.5	-	-	-	-	-	-
492	Gas production and distribution	40.8	40.8	41.3	40.8	-	-	-	-	-	-
493	Combination utility services	41.9	42.4	41.9	41.5	-	-	-	-	-	-
495	Sanitary services	42.2	41.6	42.0	41.5	-	-	-	-	-	-
	WHOLESALE AND RETAIL TRADE	33.1	32.0	32.4	32.9	31.8					
50, 51	WHOLESALE TRADE	39.1	38.4	38.9	39.1	38.3					
50	WHOLESALE TRADE-DURABLE GOODS	39.7	38.9	39.3	39.6	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	39.6	38.1	38.5	39.5	-	-	-	-	-	-
502	Furniture and home furnishings	38.3	37.4	37.8	38.2	-	-	-	-	-	-
503	Lumber and construction materials	39.8	38.6	39.3	39.4	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.8	37.1	37.0	37.8	-	-	-	-	-	-

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$279.10	\$276.36	\$306.73	\$308.40	-	\$6.96	\$7.05	\$7.63	\$7.71	-
506	Electrical goods	247.10	238.46	265.16	273.43	-	6.24	6.21	6.73	6.87	-
507	Hardware, plumbing, and heating equipment	225.43	226.18	244.34	245.60	-	5.81	5.89	6.33	6.33	-
508	Machinery, equipment, and supplies	256.88	256.31	269.72	275.02	-	6.39	6.44	6.76	6.91	-
509	Miscellaneous durable goods	209.88	205.59	220.64	223.11	-	5.30	5.34	5.60	5.62	-
51	WHOLESALE TRADE-NONDURABLE GOODS	234.78	233.23	252.01	255.74	-	6.13	6.17	6.58	6.66	-
511	Paper and paper products	269.38	271.91	284.34	287.12	-	7.34	7.47	7.79	7.76	-
512	Drugs, proprietaries, and sundries	244.68	241.15	255.30	263.04	-	6.29	6.28	6.79	6.85	-
513	Apparel, piece goods, and notions	209.81	207.64	225.43	229.52	-	5.64	5.72	6.66	6.17	-
514	Groceries and related products	236.01	238.98	259.07	259.46	-	6.13	6.20	6.66	6.67	-
516	Chemicals and allied products	276.71	275.32	308.45	314.42	-	6.97	6.97	7.75	7.92	-
517	Petroleum and petroleum products	290.60	292.47	318.38	326.30	-	7.32	7.33	8.04	8.24	-
518	Beer, wine, and distilled beverages	282.36	269.31	283.02	292.84	-	7.45	7.22	7.67	7.83	-
519	Miscellaneous nondurable goods	194.18	191.01	204.98	208.35	-	5.67	5.08	5.38	5.44	-
52-59	RETAIL TRADE	134.90	133.65	140.45	142.60	\$140.78	4.31	4.47	4.62	4.60	\$4.74
52	BUILDING MATERIALS AND GARDEN SUPPLIES	181.13	177.26	190.32	191.72	-	4.83	4.83	5.13	5.14	-
521	Lumber and other building materials	201.17	194.54	212.37	212.22	-	5.08	5.04	5.39	5.40	-
525	Hardware stores	141.64	139.10	147.74	151.95	-	4.07	4.14	4.41	4.43	-
53	GENERAL MERCHANDISE STORES	124.12	121.76	130.10	133.98	-	4.03	4.38	4.41	4.35	-
531	Department stores	128.44	125.48	134.95	139.07	-	4.17	4.53	4.59	4.53	-
533	Variety stores	106.22	108.36	106.98	111.43	-	3.46	3.87	3.59	3.56	-
539	Misc. general merchandise stores	97.24	95.88	105.67	109.03	-	3.22	3.40	3.57	3.54	-
54	FOOD STORES	172.58	172.54	184.91	180.55	-	5.41	5.53	5.67	5.75	-
541	Grocery stores	180.32	180.37	193.00	187.39	-	5.60	5.69	6.05	5.93	-
546	Retail bakeries	120.07	113.29	130.98	134.10	-	4.67	4.09	4.44	4.50	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	190.26	189.11	204.12	206.18	-	5.06	5.07	5.40	5.44	-
551, 2	New and used car dealers	233.31	226.94	244.05	243.90	-	6.06	5.91	6.29	6.27	-
553	Auto and home supply stores	187.92	195.54	199.02	203.81	-	4.55	4.64	4.89	5.02	-
554	Gasoline service stations	131.60	132.86	146.08	149.25	-	3.76	3.84	4.15	4.24	-
56	APPAREL AND ACCESSORY STORES	117.89	112.97	117.14	123.60	-	3.84	3.95	4.11	4.12	-
561	Men's and boys' clothing and furnishings	151.26	148.39	148.52	159.46	-	4.41	4.58	4.70	4.76	-
562	Women's ready-to-wear stores	102.90	98.28	103.52	109.82	-	3.50	3.60	3.82	3.80	-
565	Family clothing stores	115.94	109.13	111.95	116.22	-	3.74	3.87	3.97	3.98	-
568	Shoe stores	123.26	114.40	122.97	128.33	-	4.15	4.13	4.33	4.35	-
57	FURNITURE AND HOME FURNISHINGS STORES	183.32	177.45	186.38	192.07	-	5.05	5.07	5.28	5.35	-
571	Furniture and home furnishings	189.33	182.35	190.99	194.76	-	5.23	5.24	5.38	5.41	-
572	Household appliance stores	192.92	187.23	196.75	201.08	-	5.20	5.23	5.45	5.57	-
573	Radio, television, and music stores	163.08	158.45	169.44	179.28	-	4.53	4.54	4.94	5.05	-
58	EATING AND DRINKING PLACES⁵	88.31	87.63	91.00	93.02	-	3.32	3.45	3.50	3.51	-
59	MISCELLANEOUS RETAIL	139.26	138.41	146.88	152.59	-	4.22	4.38	4.59	4.61	-
591	Drug stores and proprietary stores	122.54	123.41	133.85	136.31	-	3.89	4.02	4.29	4.30	-
594	Miscellaneous shopping goods stores	128.44	124.61	128.40	139.31	-	3.94	4.14	4.28	4.34	-
596	Nonstore retailers	169.82	169.32	183.16	189.91	-	4.88	5.10	5.34	5.38	-
598	Fuel and ice dealers	231.66	247.04	240.52	242.57	-	5.72	5.51	6.12	6.11	-
599	Retail stores, nec	139.26	135.15	152.88	157.55	-	4.22	4.25	4.55	4.58	-
	FINANCE, INSURANCE, AND REAL ESTATE⁶	184.04	186.73	197.29	199.47	200.93	5.07	5.13	5.42	5.48	5.52
60	BANKING	157.54	160.67	167.87	171.92	-	4.34	4.39	4.65	4.71	-
602	Commercial and stock savings banks	154.64	157.32	165.34	169.36	-	4.26	4.31	4.58	4.64	-
61	CREDIT AGENCIES OTHER THAN BANKS	165.35	167.54	176.49	180.31	-	4.53	4.59	4.77	4.86	-
612	Savings and loan associations	155.30	159.76	169.92	173.53	-	4.35	4.45	4.63	4.69	-
614	Personal credit institutions	163.76	164.78	171.02	175.06	-	4.45	4.49	4.66	4.77	-
63	INSURANCE CARRIERS	202.17	205.72	216.92	219.75	-	5.42	5.53	5.80	5.86	-
631	Life insurance	200.56	206.62	217.35	220.55	-	5.45	5.63	5.75	5.85	-
632	Medical service and health insurance	197.49	201.08	213.18	216.95	-	5.17	5.25	5.76	5.77	-
633	Fire, marine, and casualty insurance	203.68	206.28	216.97	217.71	-	5.49	5.56	5.88	5.90	-

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 ^a					Average overtime hours				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 P	Jan. 1980 P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 p	Jan. 1980 p
	WHOLESALE TRADE-DURABLE										
	GOODS—Continued										
506	Metals and minerals, except petroleum	40.1	39.2	40.2	40.0	-	-	-	-	-	
506	Electrical goods	39.6	38.4	39.4	39.8	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.8	38.4	38.6	38.8	-	-	-	-	-	
508	Machinery, equipment, and supplies	40.2	39.8	39.9	39.8	-	-	-	-	-	
509	Miscellaneous durable goods	39.6	38.5	39.4	39.7	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	38.3	37.8	38.3	38.4	-	-	-	-	-	
511	Paper and paper products	36.7	36.4	36.5	37.0	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	38.9	38.4	37.6	38.4	-	-	-	-	-	
513	Apparel, piece goods, and notions	37.2	36.3	37.2	37.2	-	-	-	-	-	
514	Groceries and related products	38.5	37.9	38.9	38.9	-	-	-	-	-	
516	Chemicals and allied products	39.7	39.5	39.8	39.7	-	-	-	-	-	
517	Petroleum and petroleum products	39.7	39.9	39.6	39.6	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.9	37.3	36.9	37.4	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.3	37.6	38.1	38.3	-	-	-	-	-	
52-59	RETAIL TRADE	31.3	29.9	30.4	31.0	29.7	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	37.5	36.7	37.1	37.3	-	-	-	-	-	
521	Lumber and other building materials	39.6	38.6	39.4	39.3	-	-	-	-	-	
525	Hardware stores	34.8	33.6	33.5	34.3	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	30.8	27.8	29.5	30.8	-	-	-	-	-	
531	Department stores	30.8	27.7	29.4	30.7	-	-	-	-	-	
533	Variety stores	30.7	28.0	29.8	31.3	-	-	-	-	-	
539	Misc. general merchandise stores	30.2	28.2	29.6	30.8	-	-	-	-	-	
54	FOOD STORES	31.9	31.2	31.5	31.4	-	-	-	-	-	
541	Grocery stores	32.2	31.7	31.9	31.6	-	-	-	-	-	
546	Retail bakeries	29.5	27.7	29.5	29.8	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	37.6	37.3	37.8	37.9	-	-	-	-	-	
551, 2	New and used car dealers	38.5	38.4	38.8	38.9	-	-	-	-	-	
553	Auto and home supply stores	41.3	40.4	40.7	40.6	-	-	-	-	-	
554	Gasoline service stations	35.0	34.6	35.2	35.2	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	30.7	28.6	28.5	30.0	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	34.3	32.4	31.6	33.5	-	-	-	-	-	
562	Women's ready-to-wear stores	29.4	27.3	27.1	28.9	-	-	-	-	-	
565	Family clothing stores	31.0	28.2	28.2	29.2	-	-	-	-	-	
566	Shoe stores	29.7	27.7	28.4	29.5	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS										
	STORES	36.3	35.0	35.3	35.9	-	-	-	-	-	
571	Furniture and home furnishings	36.2	34.8	35.5	36.0	-	-	-	-	-	
572	Household appliance stores	37.1	35.8	36.1	36.1	-	-	-	-	-	
573	Radio, television, and music stores	36.0	34.9	34.3	35.5	-	-	-	-	-	
58	EATING AND DRINKING PLACES	26.6	25.4	26.0	26.5	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	33.0	31.6	32.0	33.1	-	-	-	-	-	
591	Drug stores and proprietary stores	31.5	30.7	31.2	31.7	-	-	-	-	-	
594	Miscellaneous shopping goods stores	32.6	30.1	30.0	32.1	-	-	-	-	-	
596	Nonstore retailers	34.8	33.2	34.3	35.3	-	-	-	-	-	
598	Fuel and ice dealers	40.5	41.8	39.3	39.7	-	-	-	-	-	
599	Retail stores, nec	33.0	31.8	33.6	34.4	-	-	-	-	-	
	FINANCE, INSURANCE, AND REAL										
	ESTATE ^b	36.3	36.4	36.4	36.4	36.4	-	-	-	-	
60	BANKING	36.3	36.6	36.1	36.5	-	-	-	-	-	
602	Commercial and stock savings banks	36.3	36.5	36.1	36.5	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.5	36.5	37.0	37.1	-	-	-	-	-	
612	Savings and loan associations	35.7	35.9	36.7	37.0	-	-	-	-	-	
614	Personal credit institutions	36.8	36.7	36.7	36.7	-	-	-	-	-	
63	INSURANCE CARRIERS	37.3	37.2	37.4	37.5	-	-	-	-	-	
631	Life insurance	36.8	36.7	37.8	37.7	-	-	-	-	-	
632	Medical service and health insurance	38.2	38.3	37.4	37.6	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.1	37.1	36.9	36.9	-	-	-	-	-	

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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P
	SERVICES	\$167.70	\$169.45	\$180.60	\$183.68	\$183.06	\$5.16	\$5.23	\$5.54	\$5.60	\$5.65
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	114.84	116.70	124.64	127.91	-	3.79	3.89	4.10	4.18	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	134.21	135.83	144.82	146.97	-	3.69	3.96	4.21	4.26	-
723	Beauty shops	127.03	116.10	130.29	133.04	-	4.02	3.87	4.11	4.21	-
73	BUSINESS SERVICES	170.30	170.66	182.79	185.32	-	5.24	5.30	5.59	5.65	-
731	Advertising	261.36	263.88	276.93	284.25	-	7.22	7.33	7.65	7.94	-
734	Services to buildings	124.49	124.35	130.62	133.86	-	4.56	4.64	4.82	4.85	-
737	Computer and data processing services	218.40	219.25	238.56	243.62	-	6.00	6.04	6.59	6.68	-
75	AUTO REPAIR, SERVICES, AND GARAGES ...	194.40	197.25	217.46	219.54	-	5.24	5.36	5.83	5.87	-
753	Automotive repair shops	218.83	220.22	240.86	241.10	-	5.64	5.72	6.16	6.23	-
76	MISCELLANEOUS REPAIR SERVICES ...	255.65	252.53	273.73	276.45	-	6.19	6.22	6.66	6.71	-
78	MOTION PICTURES	188.22	195.36	228.98	240.02	-	6.92	7.13	8.12	8.76	-
781	Motion picture production and services	363.26	377.48	438.79	460.88	-	9.61	9.96	11.28	12.49	-
79	AMUSEMENT AND RECREATION SERVICES ...	149.70	150.20	159.94	158.71	-	4.99	4.99	5.44	5.38	-
80	HEALTH SERVICES	162.20	165.45	175.36	177.54	-	4.93	5.03	5.33	5.38	-
801	Offices of physicians	171.93	170.69	180.38	185.00	-	5.21	5.22	5.55	5.71	-
802	Offices of dentists	136.80	142.64	151.15	150.80	-	4.75	4.97	5.23	5.20	-
805	Nursing and personal care facilities	113.46	118.42	121.75	122.06	-	3.66	3.82	3.94	3.95	-
806	Hospitals	177.64	182.29	194.03	195.62	-	5.24	5.33	5.65	5.72	-
81	LEGAL SERVICES	216.02	219.41	238.70	246.74	-	6.41	6.53	6.82	7.07	-
89	MISCELLANEOUS SERVICES	284.21	287.54	301.27	306.18	-	7.44	7.43	7.97	8.10	-
891	Engineering and architectural services	304.54	308.46	326.02	329.95	-	7.91	7.95	8.49	8.57	-
893	Accounting, auditing, and bookkeeping	243.96	247.40	256.81	265.20	-	6.42	6.36	6.83	7.11	-

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.

• Not available.

p = preliminary.

**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				
		Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P
	SERVICES	32.5	32.4	32.6	32.8	32.4					
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	30.3	30.0	30.4	30.6						
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	34.5	34.3	34.4	34.5	-	-	-	-	-	
723	Beauty shops	31.6	30.0	31.7	31.6	-	-	-	-	-	
	BUSINESS SERVICES	32.5	32.2	32.7	32.8	-	-	-	-	-	
731	Advertising	36.2	36.0	36.2	35.8	-	-	-	-	-	
734	Services to buildings	27.3	26.8	27.1	27.6	-	-	-	-	-	
737	Computer and data processing services	36.4	36.3	36.2	36.5	-	-	-	-	-	
	AUTO REPAIR, SERVICES, AND GARAGES	37.1	36.8	37.3	37.4	-	-	-	-	-	
753	Automotive repair shops	38.8	38.5	39.1	38.7	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	41.3	40.6	41.1	41.2						
	MOTION PICTURES	27.2	27.4	28.2	27.4	-	-	-	-	-	
781	Motion picture production and services	37.8	37.9	38.9	36.9	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.0	30.1	29.4	29.5						
	HEALTH SERVICES	32.9	32.9	32.9	33.0	-	-	-	-	-	
801	Offices of physicians	33.0	32.7	32.5	32.4	-	-	-	-	-	
802	Offices of dentists	28.8	28.7	28.9	29.0	-	-	-	-	-	
805	Nursing and personal care facilities	31.0	31.0	30.9	30.9	-	-	-	-	-	
806	Hospitals	33.9	34.2	34.1	34.2	-	-	-	-	-	
81	LEGAL SERVICES	33.7	33.6	35.0	34.9						
	MISCELLANEOUS SERVICES	38.2	38.7	37.8	37.8	-	-	-	-	-	
891	Engineering and architectural services	38.5	38.8	38.4	38.5	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	38.0	38.9	37.6	37.3	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

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

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

Item	1978				1979								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Executive Branch													
Total employment	2,691.9	2,694.5	2,694.4	2,681.2	2,677.5	2,686.3	2,688.3	2,697.4	2,720.3	2,770.2	2,783.0	2,789.6	2,697.8
Average weekly hours	39.5	39.9	39.9	40.1	39.7	39.7	39.5	39.5	39.4	39.4	39.8	39.5	39.4
Average overtime hours	1.3	1.3	1.2	1.5	1.2	1.1	1.1	1.1	1.0	1.0	1.2	1.2	1.4
Indexes (1967=100):													
Average weekly earnings	230.0	242.0	242.2	244.3	243.2	242.4	240.6	239.8	238.9	238.6	241.3	242.5	244.6
Average hourly earnings	229.5	238.9	239.2	240.0	241.4	240.5	240.0	239.2	238.9	238.6	238.9	241.9	244.6
Department of Defense													
Total employment	905.4	905.8	905.3	902.0	896.0	895.0	892.0	890.0	896.6	906.6	908.5	908.5	887.2
Average weekly hours	39.7	39.9	40.0	39.8	39.9	39.9	39.9	39.9	39.9	39.9	40.1	40.0	40.0
Average overtime hours	1.2	1.0	.8	.9	.8	.9	.9	.8	.8	.8	.8	.9	1.2
Indexes (1967=100):													
Average weekly earnings	223.3	232.5	233.7	234.1	234.7	234.7	235.2	234.4	235.2	233.6	233.4	234.5	238.0
Average hourly earnings	226.7	234.9	235.4	237.1	237.1	237.1	237.6	236.8	237.6	236.0	234.6	236.2	239.8
Postal Service													
Total employment	651.9	646.9	651.4	651.4	653.0	655.2	655.4	655.0	659.5	663.2	665.4	665.4	659.0
Average weekly hours	39.7	41.5	41.2	42.6	41.2	41.0	40.2	40.2	39.8	39.6	40.6	39.9	40.0
Average overtime hours	1.8	2.3	1.9	3.1	2.6	1.8	1.6	1.7	1.3	1.3	1.8	1.5	1.9
Indexes (1967=100):													
Average weekly earnings	259.3	278.7	275.9	289.4	280.8	276.9	271.5	271.8	268.1	274.0	281.2	283.0	286.2
Average hourly earnings	252.1	259.5	258.5	262.2	263.1	260.7	260.7	261.0	260.1	267.1	267.4	273.8	276.2
Other Agencies													
Total employment	1,134.6	1,141.8	1,137.7	1,127.8	1,128.5	1,136.1	1,140.9	1,152.4	1,164.2	1,200.4	1,209.1	1,215.7	1,151.6
Average weekly hours	39.1	39.0	39.0	38.8	38.7	38.8	38.8	38.8	38.8	38.8	39.2	38.9	38.7
Average overtime hours	1.2	1.1	1.0	1.0	.9	1.0	1.0	1.0	1.1	1.0	1.2	1.2	1.4
Indexes (1967=100):													
Average weekly earnings	218.3	229.1	231.4	227.7	229.9	229.7	227.7	226.7	226.0	223.3	226.6	227.1	228.4
Average hourly earnings	216.6	228.0	230.2	227.7	230.4	229.7	227.7	226.7	226.0	223.3	224.3	226.5	229.0

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

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980
MANUFACTURING	\$6.19	\$6.22	\$6.59	\$6.68	\$6.70
DURABLE GOODS	6.59	6.61	6.99	7.11	7.10
Lumber and wood products	5.53	5.55	5.99	5.99	-
Furniture and fixtures	4.69	4.73	5.07	5.12	-
Stone, clay, and glass products	6.23	6.25	6.71	6.77	-
Primary metal industries	8.14	8.20	8.87	8.93	-
Fabricated metal products	6.31	6.33	6.71	6.82	-
Machinery, except electrical	6.76	6.75	7.16	7.25	-
Electric and electronic equipment	5.86	5.90	6.28	6.38	-
Transportation equipment	7.90	7.87	8.35	8.57	-
Instruments and related products	5.74	5.80	6.17	6.27	-
Miscellaneous manufacturing industries	4.72	4.80	4.97	5.05	-
NONDURABLE GOODS	5.52	5.60	5.96	6.01	6.07
Food and kindred products	5.74	5.81	6.18	6.24	-
Tobacco manufactures	6.02	6.30	6.85	6.82	-
Textile mill products	4.28	4.33	4.64	4.65	-
Apparel and other textile products	4.01	4.12	4.25	4.32	-
Paper and allied products	6.41	6.43	7.01	7.09	-
Printing and publishing	6.42	6.49	6.82	6.88	-
Chemicals and allied products	6.99	7.02	7.55	7.59	-
Petroleum and coal products	8.45	8.59	9.08	9.02	-
Rubber and misc. plastics products	5.51	5.56	5.91	5.99	-
Leather and leather products	3.93	4.05	4.24	4.31	-

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

^p preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	Dec. 1978	Nov. 1979	Dec. p 1979	Dec. 1978	Nov. 1979	Dec. P 1979	Dec. 1978	Nov. 1979	Dec. P 1979
TOTAL PRIVATE:									
Current dollars	\$213.35	\$226.06	\$229.68	\$172.31	\$182.48	\$185.04	\$187.95	\$199.54	\$202.29
1967 dollars	105.15	99.32	99.86	84.92	80.18	80.45	92.63	87.67	87.95
MINING:									
Current dollars	349.80	380.19	382.81	263.55	284.60	286.17	289.25	314.25	316.16
1967 dollars	172.40	167.04	166.44	129.89	125.04	124.42	142.56	138.07	137.46
CONSTRUCTION:									
Current dollars	330.04	346.75	354.68	250.54	263.68	268.74	274.46	289.89	295.67
1967 dollars	162.66	152.35	154.21	123.48	115.85	116.84	135.27	127.37	128.55
MANUFACTURING:									
Current dollars	268.27	277.14	285.36	210.12	217.99	223.57	229.40	238.30	244.53
1967 dollars	132.22	121.77	124.07	103.56	95.78	97.20	113.06	104.70	106.32
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	315.57	342.50	343.71	241.22	260.96	261.74	264.05	286.79	287.67
1967 dollars	155.53	150.48	149.44	118.89	114.66	113.80	130.14	126.01	125.07
WHOLESALE AND RETAIL TRADE:									
Current dollars	159.21	167.83	170.09	133.00	139.74	141.44	146.44	157.03	158.55
1967 dollars	78.47	73.74	73.95	65.55	61.40	61.50	72.17	68.99	68.93
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	184.04	197.29	199.47	151.25	161.52	163.10	165.74	177.21	178.91
1967 dollars	90.70	86.68	86.73	74.54	70.97	70.91	81.69	77.86	77.79
SERVICES:									
Current dollars	167.70	180.60	183.68	139.36	149.31	151.60	153.06	165.63	167.69
1967 dollars	82.65	79.35	79.86	68.68	65.60	65.91	75.44	72.77	72.91
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	202.9	227.6	230.0						

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

p=preliminary (applicable to earnings data only).

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

ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

[1967=100]

Industry division and group	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^p	Jan. 1980 ^p
	Hours				
TOTAL PRIVATE	126.2	120.0	127.2	128.6	122.2
GOODS-PRODUCING	111.2	104.4	110.6	111.1	104.3
MINING	150.4	145.7	160.8	161.1	157.0
CONSTRUCTION	125.9	103.9	138.4	134.8	113.7
MANUFACTURING	107.2	103.1	104.0	105.2	100.9
DURABLE GOODS	111.6	107.1	106.5	108.5	103.4
Lumber and wood products	114.2	107.1	109.5	107.6	100.4
Furniture and fixtures	113.9	108.1	108.5	109.8	104.4
Stone, clay, and glass products	113.0	104.5	112.4	110.6	103.3
Primary metal industries	100.1	99.3	92.8	92.2	90.4
Fabricated metal products	110.5	106.1	107.6	109.3	103.9
Machinery, except electrical	119.8	116.1	114.7	118.2	116.9
Electric and electronic equipment	108.7	105.8	110.3	112.2	108.5
Transportation equipment	111.7	104.3	95.3	102.2	91.6
Instruments and related products	129.5	126.6	129.5	131.5	126.7
Miscellaneous manufacturing industries	100.9	96.5	104.9	100.7	96.4
NONDURABLE GOODS	100.8	97.2	100.2	100.4	97.1
Food and kindred products	97.3	92.4	98.3	96.8	91.1
Tobacco manufactures	81.8	71.0	69.6	73.5	68.3
Textile mill products	92.2	89.6	92.6	93.4	91.6
Apparel and other textile products	91.3	87.3	89.3	89.2	85.2
Paper and allied products	102.3	99.6	103.6	105.2	102.9
Printing and publishing	104.3	100.5	106.9	108.4	106.3
Chemicals and allied products	108.6	106.9	108.9	110.0	108.3
Petroleum and coal products	121.7	116.9	129.3	126.2	122.1
Rubber and misc. plastics products	155.5	151.7	145.2	144.5	141.7
Leather and leather products	68.5	65.9	65.3	65.1	62.6
SERVICE-PRODUCING	136.6	130.9	138.7	140.8	134.6
TRANSPORTATION AND PUBLIC UTILITIES	113.6	110.1	117.4	117.0	113.4
WHOLESALE AND RETAIL TRADE	135.5	125.4	132.5	137.0	126.9
WHOLESALE TRADE	131.7	128.5	134.9	135.3	131.6
RETAIL TRADE	136.9	124.1	131.6	137.7	125.1
FINANCE, INSURANCE, AND REAL ESTATE	142.2	142.3	147.6	147.9	147.2
SERVICES	147.3	144.9	154.6	155.0	151.3

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

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

[1967=100]

Industry division and group	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979 ^P	Jan. 1980 ^P
	Payrolls				
TOTAL PRIVATE	278.5	267.5	301.4	306.4	292.3
GOODS-PRODUCING	255.4	239.1	271.7	275.5	256.7
MINING	380.1	374.8	439.0	440.7	428.2
CONSTRUCTION	273.1	226.8	319.8	313.2	263.4
MANUFACTURING	245.9	237.0	252.7	259.3	248.3
DURABLE GOODS	258.0	247.2	259.0	268.2	254.3
Lumber and wood products	279.6	262.5	288.3	283.2	264.1
Furniture and fixtures	237.9	226.4	243.9	249.1	237.8
Stone, clay, and glass products	263.7	243.4	282.0	278.6	258.9
Primary metal industries	256.7	256.3	257.5	256.8	250.6
Fabricated metal products	245.5	235.4	252.6	261.2	245.7
Machinery, except electrical	268.4	258.4	270.3	283.1	279.9
Electric and electronic equipment	238.8	233.1	259.0	267.6	258.7
Transportation equipment	273.4	253.4	241.0	264.9	234.6
Instruments and related products	270.7	266.0	290.3	299.4	286.1
Miscellaneous manufacturing industries	209.0	202.3	229.9	223.9	218.4
NONDURABLE GOODS	225.4	219.6	241.9	244.1	238.1
Food and kindred products	222.0	213.1	242.4	240.4	228.2
Tobacco manufactures	222.8	199.0	215.2	228.1	213.8
Textile mill products	200.9	196.8	219.0	221.5	217.9
Apparel and other textile products	183.5	179.5	190.2	193.1	185.2
Paper and allied products	241.8	235.8	267.4	274.3	269.2
Printing and publishing	213.3	206.0	231.4	236.4	233.8
Chemicals and allied products	254.9	252.2	276.4	279.7	277.1
Petroleum and coal products	302.3	294.6	345.9	333.2	333.6
Rubber and misc. plastics products	326.6	321.4	324.5	327.4	322.3
Leather and leather products	132.9	131.6	137.1	138.5	137.0
SERVICE-PRODUCING	298.4	292.0	326.9	333.0	322.9
TRANSPORTATION AND PUBLIC UTILITIES	275.6	269.1	309.3	309.2	299.9
WHOLESALE AND RETAIL TRADE	289.2	276.1	304.8	314.6	298.7
WHOLESALE TRADE	281.2	276.0	308.1	313.4	305.6
RETAIL TRADE	293.6	276.2	303.0	315.4	294.8
FINANCE, INSURANCE, AND REAL ESTATE	279.4	282.8	309.5	314.0	314.4
SERVICES	331.9	331.3	374.0	379.4	373.3

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-7. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. P	Jan. P
TOTAL PRIVATE	35.8	35.7	35.9	35.3	35.7	35.6	35.6	35.6	35.7	35.6	35.7	35.7	35.7
MINING	43.4	43.1	43.1	42.9	42.8	43.0	41.6	43.2	43.1	43.1	43.2	43.9	44.6
CONSTRUCTION	37.1	36.6	37.1	35.5	37.1	37.2	36.8	37.2	37.5	36.6	36.8	37.1	37.6
MANUFACTURING	40.6	40.6	40.6	39.1	40.2	40.1	40.2	40.1	40.2	40.2	40.1	40.3	40.4
<i>Overtime hours</i>	3.7	3.7	3.7	2.7	3.5	3.4	3.3	3.2	3.2	3.2	3.3	3.2	3.3
DURABLE GOODS	41.4	41.4	41.4	39.5	40.9	40.7	40.7	40.7	40.7	40.8	40.6	40.8	40.8
<i>Overtime hours</i>	4.1	4.1	4.0	2.7	3.8	3.6	3.5	3.3	3.3	3.3	3.4	3.3	3.3
Lumber and wood products	39.9	39.6	40.0	39.1	39.4	39.4	39.3	39.5	39.7	39.4	38.9	39.2	39.5
Furniture and fixtures	38.9	38.8	39.1	38.1	38.5	38.5	38.4	38.3	38.6	38.8	38.9	39.0	39.0
Stone, clay, and glass products	41.8	41.6	42.0	41.2	41.7	41.6	41.4	41.3	41.5	41.3	41.5	41.7	42.0
Primary metal industries	42.3	42.2	42.0	41.8	41.4	41.2	41.3	41.0	41.0	41.1	40.7	40.6	40.4
Fabricated metal products	41.1	41.3	41.3	39.1	40.7	40.7	40.8	40.6	40.7	40.9	40.7	41.1	40.9
Machinery, except electrical	42.3	42.5	42.4	40.5	42.0	42.0	41.9	41.6	41.9	41.6	41.6	41.7	41.8
Electric and electronic equipment	40.5	40.7	40.7	39.0	40.4	40.3	40.2	39.8	40.3	40.3	40.6	40.6	40.5
Transportation equipment	42.8	42.7	42.3	37.9	41.5	40.8	40.9	41.7	40.6	41.3	40.6	41.0	41.4
Instruments and related products	41.1	41.2	41.2	40.3	40.8	40.6	40.7	40.5	40.6	40.7	41.0	40.9	40.6
Miscellaneous manufacturing ind	39.0	39.0	39.0	37.6	38.6	38.9	39.3	39.1	39.1	39.1	39.1	39.1	39.6
NONDURABLE GOODS	39.5	39.3	39.4	38.6	39.2	39.2	39.2	39.2	39.3	39.3	39.4	39.5	39.7
<i>Overtime hours</i>	3.2	3.2	3.3	2.7	3.0	3.0	3.0	3.0	3.1	3.0	3.2	3.1	3.2
Food and kindred products	40.0	39.8	40.0	39.6	39.8	39.8	39.8	39.7	40.0	39.9	40.0	40.0	40.1
Tobacco manufactures	37.2	36.9	38.0	37.6	38.9	37.6	38.5	38.0	38.6	38.3	37.8	39.2	39.1
Textile mill products	40.7	40.1	40.3	38.8	40.0	40.1	40.1	40.1	40.6	40.8	41.1	41.1	41.9
Apparel and other textile products	35.3	35.4	35.4	34.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.7	35.6
Paper and allied products	42.8	42.7	42.8	41.8	42.6	42.5	42.5	42.6	42.4	42.6	42.7	43.0	43.0
Printing and publishing	37.7	37.7	37.7	37.1	37.4	37.4	37.5	37.7	37.5	37.4	37.6	37.4	38.1
Chemicals and allied products	42.0	42.0	41.9	41.7	41.9	41.7	41.9	42.0	41.7	41.7	41.9	41.8	41.8
Petroleum and coal products	43.5	43.6	44.0	43.9	43.7	43.3	43.6	43.7	44.1	43.7	44.4	44.3	43.8
Rubber and misc. plastics products	41.4	41.2	41.3	39.7	40.9	40.7	40.6	40.2	40.3	40.3	40.0	39.9	40.3
Leather and leather products	36.8	36.4	36.3	35.6	36.1	36.4	36.6	36.5	37.0	36.5	36.7	36.8	37.2
TRANSPORTATION AND PUBLIC UTILITIES	40.0	40.0	40.0	39.2	39.8	39.8	39.7	39.9	39.9	39.9	40.2	40.0	40.0
WHOLESALE AND RETAIL TRADE	32.5	32.5	32.7	32.8	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.6	32.4
WHOLESALE TRADE	38.7	38.7	39.0	38.7	39.0	38.8	38.8	38.7	38.7	38.8	38.9	38.9	38.6
RETAIL TRADE	30.6	30.6	30.7	30.9	30.6	30.6	30.6	30.5	30.7	30.6	30.7	30.6	30.4
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.4	36.4	36.5	36.1	36.2	36.3	36.1	36.4	36.2	36.5	36.4	36.3
SERVICES	32.6	32.6	32.8	32.7	32.7	32.7	32.8	32.7	32.7	32.6	32.7	32.9	32.6

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

p=preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
TOTAL PRIVATE	124.4	124.7	125.7	123.6	125.4	125.7	125.7	125.5	125.9	125.8	126.3	126.7	126.7
GOODS-PRODUCING	110.3	110.2	111.3	106.8	110.3	110.1	109.9	109.4	109.7	109.0	108.7	109.8	110.5
MINING	152.0	152.5	152.5	152.0	151.6	152.5	148.4	156.7	157.4	158.1	158.4	162.3	163.8
CONSTRUCTION	128.9	126.7	132.7	124.9	133.7	134.4	133.9	134.5	135.4	132.7	133.7	137.1	140.8
MANUFACTURING	105.6	105.8	106.0	102.0	104.7	104.3	104.4	103.3	103.4	103.1	102.5	103.2	103.3
DURABLE GOODS	109.2	109.9	110.1	105.0	108.3	107.9	107.9	106.8	107.1	106.2	105.1	105.7	105.4
Lumber and wood products	115.9	114.9	116.4	112.4	113.3	112.7	111.9	112.3	113.6	113.3	110.1	108.5	108.7
Furniture and fixtures	109.9	109.1	109.4	105.8	105.9	105.3	105.9	104.5	104.8	105.5	106.2	106.4	106.2
Stone, clay, and glass products	113.0	112.8	114.9	111.5	113.1	113.0	111.5	110.8	111.2	110.6	110.4	111.1	111.7
Primary metal industries	100.1	100.3	100.2	99.7	97.9	97.9	97.8	95.9	95.3	94.6	93.1	91.8	91.0
Fabricated metal products	107.6	108.7	108.6	102.7	106.6	107.1	106.7	104.8	105.4	106.1	105.8	106.5	105.1
Machinery, except electrical	115.8	117.4	117.5	113.0	117.4	117.6	118.0	116.2	117.7	114.3	113.6	113.9	116.5
Electric and electronic equipment	106.6	107.8	108.5	104.4	108.2	108.6	108.5	104.7	107.2	107.6	108.1	109.0	109.3
Transportation equipment	105.9	106.9	105.9	94.3	102.6	99.4	100.3	102.6	100.1	97.4	93.7	96.6	93.1
Instruments and related products	128.2	129.4	129.7	127.2	128.1	128.4	128.1	127.2	127.2	127.8	127.8	128.5	128.4
Miscellaneous manufacturing ind	102.3	101.7	101.7	97.5	98.7	100.3	100.7	100.8	99.9	99.9	99.9	101.4	102.1
NONDURABLE GOODS	100.3	99.8	100.1	97.8	99.5	99.1	99.1	98.2	98.1	98.5	98.8	99.4	100.2
Food and kindred products	98.1	97.0	98.1	96.8	97.0	96.8	95.9	94.6	95.0	96.1	96.5	97.3	96.6
Tobacco manufactures	71.8	70.0	73.4	73.9	76.5	72.6	73.0	66.7	70.5	69.9	61.1	66.1	68.6
Textile mill products	91.9	90.3	90.6	86.7	89.5	89.6	89.8	89.0	89.8	90.6	91.8	92.1	93.9
Apparel and other textile products	91.0	90.3	89.9	86.8	89.5	88.7	89.5	88.0	87.5	87.9	87.3	88.9	88.8
Paper and allied products	101.1	101.8	103.0	100.8	102.3	102.1	103.2	103.1	102.2	102.7	102.8	103.7	104.3
Printing and publishing	102.5	103.1	103.4	101.7	103.1	103.3	104.4	104.7	103.9	104.3	105.9	105.2	108.5
Chemicals and allied products	108.7	108.5	108.1	107.7	108.3	108.4	108.8	108.2	107.6	107.9	108.6	109.2	110.0
Petroleum and coal products	122.7	123.9	125.0	125.7	124.2	123.1	123.0	124.2	126.2	125.1	128.0	128.6	129.0
Rubber and misc. plastics products	153.5	154.0	154.4	148.4	153.4	150.4	150.5	145.6	143.5	143.5	142.5	141.1	143.5
Leather and leather products	67.9	66.6	66.1	63.9	65.4	66.0	61.3	64.9	66.1	65.2	64.9	64.8	64.5
SERVICE-PRODUCING	134.2	134.8	135.8	135.3	135.9	136.5	136.7	136.6	137.2	137.5	138.5	138.4	138.0
TRANSPORTATION AND PUBLIC UTILITIES	112.8	113.3	113.7	109.2	113.4	115.0	114.2	115.2	114.9	115.8	116.9	115.8	116.1
WHOLESALE AND RETAIL TRADE	129.0	129.3	130.2	130.6	130.2	130.0	129.9	129.6	130.4	130.7	131.6	130.9	130.7
WHOLESALE TRADE	130.5	130.8	132.3	131.3	132.8	132.8	132.7	132.4	132.5	133.4	134.3	134.2	133.6
RETAIL TRADE	128.5	128.7	129.3	130.3	129.1	128.9	128.9	128.5	129.6	129.7	130.5	129.6	129.6
FINANCE, INSURANCE, AND REAL ESTATE	143.3	144.1	144.6	145.5	144.5	145.7	146.5	146.3	147.1	146.7	148.3	148.2	148.2
SERVICES	148.6	149.5	151.1	151.0	151.7	152.6	153.5	153.4	153.8	154.1	155.2	156.4	155.3

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

^P preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^p	Jan. ^p
Hourly Earnings Index ² (1967=100)													
TOTAL PRIVATE (In current dollars)	222.6	224.0	225.2	226.8	227.5	229.0	230.9	232.2	234.3	234.9	237.3	239.3	239.8
MINING	252.1	253.7	256.1	264.1	262.7	264.7	266.7	265.6	266.1	268.0	271.6	272.8	270.6
CONSTRUCTION	213.8	216.7	216.5	218.1	220.4	220.4	222.1	223.1	224.4	224.0	225.8	227.4	226.2
MANUFACTURING	225.4	227.2	228.7	231.0	232.3	233.9	235.4	236.9	238.7	240.0	242.1	244.1	244.7
TRANSPORTATION AND PUBLIC UTILITIES	240.8	241.7	243.1	241.7	243.7	246.4	251.3	252.6	255.6	255.8	258.9	260.5	261.0
WHOLESALE AND RETAIL TRADE	217.7	218.1	219.4	220.9	221.0	222.6	223.8	225.4	227.0	227.4	229.5	230.9	233.2
FINANCE, INSURANCE, AND REAL ESTATE	202.4	204.2	204.8	207.5	207.0	208.0	210.8	211.5	214.4	213.1	216.2	218.4	217.5
SERVICES	220.8	222.2	223.3	225.0	224.3	225.7	227.0	228.4	231.5	232.3	234.7	237.8	237.6
TOTAL PRIVATE (In 1967 dollars) ³	108.5	107.8	107.3	106.9	106.1	105.7	105.6	105.1	104.7	104.2	104.2	103.9	-
Average hourly earnings													
TOTAL PRIVATE	\$5.96	\$6.00	\$6.04	\$6.04	\$6.09	\$6.13	\$6.18	\$6.22	\$6.26	\$6.28	\$6.33	\$6.38	\$6.40
MINING	8.18	8.23	8.28	8.56	8.43	8.49	8.49	8.57	8.50	8.57	8.71	8.75	8.67
CONSTRUCTION	8.94	9.06	9.03	9.11	9.20	9.19	9.27	9.32	9.39	9.38	9.45	9.52	9.49
MANUFACTURING	6.64	6.51	6.56	6.56	6.65	6.68	6.72	6.74	6.78	6.82	6.86	6.90	6.92
TRANSPORTATION AND PUBLIC UTILITIES	7.88	7.92	7.96	7.91	7.99	8.09	8.21	8.30	8.37	8.39	8.48	8.53	8.53
WHOLESALE AND RETAIL TRADE	4.92	4.93	4.96	4.99	5.00	5.03	5.07	5.10	5.12	5.14	5.19	5.22	5.26
FINANCE, INSURANCE, AND REAL ESTATE	5.09	5.14	5.16	5.22	5.21	5.23	5.30	5.32	5.40	5.38	5.45	5.50	5.48
SERVICES	5.18	5.22	5.24	5.27	5.26	5.31	5.35	5.39	5.45	5.46	5.52	5.58	5.60
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	213.37	214.20	216.84	213.21	217.41	218.23	220.01	221.43	223.48	223.57	225.98	227.77	228.48
1967 dollars ³	103.98	103.13	103.31	100.48	101.40	100.75	100.60	100.24	100.04	99.19	99.24	98.90	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{3, 4}	92.46	91.66	91.68	89.35	89.96	89.34	89.12	88.73	88.14	87.69	87.61	87.21	-

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 CPI-W is used to deflate these series to 1967 dollars.

⁴ See footnote 2, table C-5.

N.A.=not available.
p=preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments, by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	NOVEMBER 1979	DECEMBER p1979	JANUARY p1980	Jan. 1979 to Jan. 1980	Nov. 1979 to Dec. 1979	Nov. 1979 to Jan. 1980
TOTAL	169,793	170,650	171,001	2.1	0.5	0.2
PRIVATE SECTOR	139,355	139,801	139,653	2.2	0.3	-0.1
MINING	2,214	2,257	2,294	10.7	1.9	1.6
CONSTRUCTION	9,073	9,314	9,076	9.2	2.7	-2.6
MANUFACTURING	43,287	43,571	43,704	-0.9	0.7	0.3
DURABLE GOODS	26,425	26,612	26,645	-1.4	0.7	0.1
NONDURABLE GOODS	16,862	16,960	17,060	-0.1	0.6	0.6
TRANSPORTATION AND PUBLIC UTILITIES	10,944	10,845	10,914	3.3	-0.9	0.6
WHOLESALE AND RETAIL TRADE	34,679	34,507	34,486	1.6	-0.5	-0.1
FINANCE, INSURANCE, AND REAL ESTATE	9,565	9,597	9,608	4.0	0.3	0.1
SERVICES	29,593	29,709	29,571	4.3	0.4	-0.5
GOVERNMENT	30,437	30,849	31,348	1.7	1.4	1.6

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 for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private 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-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1977			1978				1979			
	1978	1979p	II	III	IV	I	II	III	IV	I	II	III	IVp
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	119.2	p118.1	117.9	119.4	118.8	118.4	119.0	119.7	119.8	118.9	118.2	r117.8	p117.3
Output	140.7	p144.0	132.8	135.2	136.1	136.9	140.3	141.8	144.0	144.4	143.4	r143.8	p144.4
Hours	118.1	p122.0	112.6	113.2	114.5	115.6	117.9	118.4	120.2	121.5	121.3	122.0	p123.1
Compensation per hour	231.2	p252.8	210.8	215.3	218.5	224.2	228.5	233.6	238.4	244.8	250.3	255.6	p260.0
Real compensation per hour	118.3	p116.3	116.7	117.6	117.9	118.7	118.1	118.2	118.0	118.0	116.9	115.8	p114.2
Unit labor costs	194.0	p214.1	178.8	180.2	183.8	189.4	192.1	195.2	199.0	205.9	211.7	r217.0	p221.5
Unit nonlabor payments	174.3	p184.4	164.7	167.9	168.6	164.8	173.9	177.0	181.3	180.8	183.7	r185.6	p188.2
Implicit price deflator	187.2	p203.8	173.9	176.0	178.6	180.9	185.8	188.9	192.9	197.2	202.0	r206.1	p210.0
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	116.8	p115.5	115.8	116.7	116.3	116.0	116.5	117.3	117.6	116.6	115.4	r115.0	p114.9
Output	141.5	p144.8	133.4	135.6	136.4	137.3	141.1	142.7	145.0	145.5	144.2	r144.6	p145.2
Hours	121.1	p125.4	115.2	116.2	117.3	118.4	121.1	121.6	123.4	124.8	124.9	125.7	p126.4
Compensation per hour	227.3	p247.6	207.3	211.2	214.8	220.6	224.6	229.4	234.3	240.2	244.8	r249.9	p255.2
Real compensation per hour	116.3	p113.9	114.7	115.4	115.9	116.8	116.1	116.1	116.0	115.8	114.3	113.2	p112.1
Unit labor costs	194.5	p214.4	179.0	180.9	184.7	190.2	192.7	195.6	199.3	206.0	212.1	r217.3	p222.2
Unit nonlabor payments	169.9	p178.8	163.2	167.1	166.0	161.1	169.2	173.0	176.1	174.3	177.6	r180.5	p183.3
Implicit price deflator	186.1	p202.2	173.6	176.2	178.3	180.2	184.7	187.8	191.4	195.1	200.3	r204.7	p208.9
MANUFACTURING:													
Output per hour of all persons	128.0	p130.2	127.3	128.4	127.8	125.7	127.2	129.2	129.8	129.0	130.0	r131.1	p130.6
Output	134.5	p139.8	128.1	129.9	130.8	130.1	133.4	135.9	138.5	140.1	139.7	r139.9	p139.5
Hours	105.1	p107.4	100.6	101.1	102.3	103.4	104.8	105.2	106.7	108.5	107.5	106.7	p106.9
Compensation per hour	229.5	p250.5	209.7	214.1	217.5	223.2	226.6	231.4	236.5	242.4	248.2	r253.0	p258.0
Real compensation per hour	117.5	p115.2	116.1	117.0	117.4	118.1	117.1	117.0	117.1	116.9	115.9	114.6	p113.3
Unit labor costs	179.4	p192.4	164.7	166.7	170.2	177.5	178.1	179.1	182.2	187.9	190.9	r193.0	p197.6
DURABLE GOODS													
Output per hour of all persons	121.3	p122.4	121.6	122.3	121.7	118.9	120.9	122.5	122.8	121.8	122.7	r122.7	p122.2
Output	129.6	p135.0	122.2	124.4	125.5	124.4	128.3	131.3	134.5	136.2	135.4	134.6	p134.0
Hours	106.9	p110.3	100.5	101.7	103.2	104.6	106.1	107.2	109.5	111.8	110.3	109.7	p109.7
Compensation per hour	230.8	p251.7	211.6	215.9	219.4	224.5	227.9	232.5	237.9	243.8	249.5	254.3	p258.9
Real compensation per hour	118.1	p115.8	117.1	118.0	118.4	118.9	117.8	117.6	117.7	117.5	116.5	115.2	p113.7
Unit labor costs	190.4	p205.6	174.0	176.6	180.3	188.8	188.5	189.9	193.7	200.1	203.3	r207.3	p211.9
NONDURABLE GOODS													
Output per hour of all persons	139.0	p143.3	136.6	138.5	137.9	136.9	137.5	140.3	141.4	141.1	142.1	r145.2	p144.6
Output	142.3	p147.6	137.6	138.8	139.3	139.3	141.6	143.2	145.1	146.3	146.9	r148.5	p148.6
Hours	102.4	p103.0	100.7	100.2	101.1	101.7	103.0	102.1	102.6	103.7	103.4	102.3	p102.7
Compensation per hour	226.1	p246.5	206.6	210.6	213.8	220.1	223.6	228.1	232.4	238.0	244.1	248.9	p254.8
Real compensation per hour	115.7	p113.4	114.4	115.1	115.3	116.5	115.5	115.4	115.0	114.8	114.0	r112.7	p111.9
Unit labor costs	162.7	p172.0	151.2	152.1	155.1	160.7	162.6	162.6	164.3	168.7	171.8	r171.4	p176.1
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	117.9	N.A.	116.5	117.4	116.7	116.7	117.8	118.4	118.8	118.1	117.3	r117.2	N.A.
Output	150.0	N.A.	140.4	142.7	143.4	144.7	149.7	151.4	154.2	155.1	154.1	r154.3	N.A.
Hours	127.2	N.A.	120.5	121.5	122.9	124.1	127.1	127.8	129.8	131.3	131.4	131.7	N.A.
Compensation per hour	224.8	N.A.	205.7	209.5	212.8	218.5	222.3	226.9	231.3	237.4	242.1	247.1	N.A.
Real compensation per hour	115.0	N.A.	113.8	114.5	114.8	115.7	114.9	114.8	114.5	114.5	113.1	r112.0	N.A.
Total unit costs	193.3	N.A.	180.5	182.4	186.3	190.8	191.6	194.0	196.8	202.3	208.0	r213.2	N.A.
Unit labor costs	190.6	N.A.	176.6	178.4	182.3	187.3	188.7	191.5	194.8	201.0	206.4	r210.8	N.A.
Unit nonlabor costs	201.8	N.A.	192.4	194.8	198.7	201.5	200.8	201.6	203.1	206.5	213.2	r220.5	N.A.
Unit profits	127.2	N.A.	123.3	130.9	122.2	107.1	129.2	132.7	138.7	130.3	129.2	r127.5	N.A.
Implicit price deflator	183.5	N.A.	172.0	174.7	176.8	178.3	182.3	184.9	188.2	191.6	196.3	r200.4	N.A.

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	II 1978	III 1978	IV 1978	I 1979	II 1979	III 1979	III 1977	IV 1977	I 1978	II 1978	III 1978	IV 1978
	to III 1978	to IV 1978	to I 1979	to II 1979	to III 1979	to IV 1979	to III 1978	to IV 1978	to I 1979	to II 1979	to III 1979	to IV 1979
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	2.4	0.3	-3.0	-2.2	r-1.3	p-1.6	0.2	0.8	0.4	-0.6	-1.6	p-2.0
Output	4.2	6.4	1.2	-2.9	r1.1	p1.8	4.8	5.8	5.5	2.2	r1.4	p0.3
Hours	1.7	6.1	4.4	-0.7	r2.4	p3.5	4.6	5.0	5.1	2.8	3.0	p2.4
Compensation per hour	9.2	8.5	11.1	9.3	8.8	p6.9	8.5	9.1	9.2	9.5	9.4	p9.0
Real compensation per hour	0.3	-0.7	0.1	-3.8	-3.6	p-5.6	0.4	0.1	-0.6	-1.0	-2.0	p-3.2
Unit labor costs	6.6	8.1	14.6	11.8	r10.3	p8.7	8.3	8.3	8.7	10.2	r11.2	p11.3
Unit nonlabor payments	7.4	9.9	-1.0	6.5	r4.1	p5.9	5.4	7.5	9.7	5.6	4.8	p3.9
Implicit price deflator	6.9	8.7	9.3	10.1	r8.3	p7.8	7.4	8.0	9.0	8.7	r9.1	p8.9
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	2.7	0.8	-3.2	-4.1	r-1.4	p-0.4	0.5	1.1	0.5	-1.0	-2.0	p-2.3
Output	4.5	6.8	1.2	-3.6	r1.2	p1.7	5.2	6.3	5.9	2.2	r1.3	p0.1
Hours	1.8	5.9	4.6	0.5	2.6	p2.1	4.7	5.2	5.4	3.2	3.4	p2.4
Compensation per hour	8.8	8.8	10.4	7.9	8.5	p8.9	8.7	9.1	8.9	9.0	8.9	p8.9
Real compensation per hour	0.0	-0.4	-0.6	-5.0	-3.9	p-3.8	0.6	0.1	-0.8	-1.5	-2.5	p-3.3
Unit labor costs	6.0	8.0	14.0	12.5	r10.1	p9.3	8.1	7.9	8.3	10.1	r11.1	p11.5
Unit nonlabor payments	9.4	7.3	-4.0	7.8	r6.6	p6.4	3.5	6.1	8.2	5.0	4.3	p4.1
Implicit price deflator	7.0	7.8	8.1	11.0	r9.0	p8.4	6.6	7.3	8.3	8.5	r9.0	p9.1
MANUFACTURING:												
Output per hour of all persons	6.3	2.0	-2.4	2.9	r3.5	p-1.5	0.6	1.6	2.6	2.2	r1.5	p0.6
Output	7.6	8.1	4.6	-0.9	r0.4	p-1.0	4.6	5.9	7.7	4.8	r3.0	p0.7
Hours	1.3	5.9	7.1	-3.7	-2.9	p0.5	4.0	4.3	4.9	2.6	1.5	p0.1
Compensation per hour	8.7	9.3	10.3	9.8	8.1	p8.2	8.1	8.7	8.6	9.5	9.4	p9.1
Real compensation per hour	-0.1	0.0	-0.6	-3.4	r-4.3	p-4.5	0.0	-0.3	-1.1	-1.0	-2.1	p-3.2
Unit labor costs	2.2	7.1	13.0	6.7	r4.4	p9.8	7.4	7.1	5.9	7.2	7.8	p8.5
DURABLE GOODS												
Output per hour of all persons	5.1	1.2	-3.2	2.9	r-0.1	p-1.6	0.2	0.9	2.4	1.5	r0.2	p-0.5
Output	9.6	10.0	5.3	-2.5	-2.3	p-1.8	5.6	7.1	9.5	5.5	2.5	p-0.4
Hours	4.3	8.7	8.8	-5.2	-2.2	p-0.2	5.4	6.1	6.9	4.0	2.3	p0.2
Compensation per hour	8.3	9.6	10.3	9.7	8.0	p7.5	7.7	8.4	8.6	9.5	9.4	p8.8
Real compensation per hour	-0.4	0.4	-0.6	-3.5	r-4.4	p-5.1	-0.3	-0.5	-1.1	-1.1	-2.1	p-3.4
Unit labor costs	3.1	8.3	13.9	6.6	r8.0	p9.2	7.5	7.4	6.0	7.9	9.2	p9.4
NONDURABLE GOODS												
Output per hour of all persons	8.2	3.4	-0.9	2.7	r9.0	p-1.5	1.3	2.6	3.1	3.3	r3.5	p2.3
Output	4.8	5.3	3.4	1.5	r4.6	p0.2	3.2	4.1	5.1	3.7	r3.7	p2.4
Hours	-3.2	1.8	4.4	-1.2	-4.1	p1.6	1.9	1.5	1.9	0.4	0.2	p0.1
Compensation per hour	8.3	7.8	10.0	10.6	8.1	p9.8	8.3	8.7	8.1	9.2	9.1	p9.6
Real compensation per hour	-0.4	-1.3	-0.9	-2.6	-4.3	p-3.0	0.3	-0.3	-1.5	-1.3	-2.3	p-2.7
Unit labor costs	0.1	4.2	11.0	7.7	r-0.9	p11.4	7.0	6.0	4.9	5.7	r5.4	p7.2
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	2.0	1.1	-2.1	-2.8	r-0.2	N.A.	0.8	1.8	1.3	-0.5	r-1.0	N.A.
Output	4.6	7.6	2.5	-2.6	r0.6	N.A.	6.1	7.5	7.2	2.9	r1.9	N.A.
Hours	2.5	6.4	4.6	0.3	0.9	N.A.	5.2	5.6	5.8	3.4	3.0	N.A.
Compensation per hour	8.4	8.1	11.0	8.0	r8.6	N.A.	8.3	8.7	8.7	8.9	8.9	N.A.
Real compensation per hour	-0.4	-1.0	0.0	-4.9	r-3.8	N.A.	0.2	-0.3	-1.0	-1.6	-2.5	N.A.
Total unit costs	5.1	5.9	11.7	11.8	r10.2	N.A.	6.4	5.6	6.1	8.6	r9.9	N.A.
Unit labor costs	6.2	6.9	13.4	11.2	r8.8	N.A.	7.4	6.8	7.3	9.4	r10.1	N.A.
Unit nonlabor costs	1.7	2.9	6.8	13.5	r14.6	N.A.	3.5	2.2	2.5	6.2	r9.4	N.A.
Unit profits	11.4	19.5	-22.1	-3.4	r-5.3	N.A.	1.4	13.6	21.7	0.0	r-3.9	N.A.
Implicit price deflator	5.7	7.3	7.6	10.2	r8.6	N.A.	5.8	6.4	7.5	7.7	r8.4	N.A.

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
ALABAMA	\$237.84	\$251.94	\$261.88	41.8	40.9	41.7	\$5.69	\$6.16	\$6.26
Birmingham	279.97	300.17	308.02	41.6	40.4	41.4	6.73	7.43	7.44
Mobile	275.22	325.94	331.19	41.7	43.0	42.9	6.60	7.58	7.72
ALASKA	375.16	(*)	(*)	42.2	(*)	(*)	8.89	(*)	(*)
ARIZONA	260.41	284.41	292.73	41.4	41.1	41.7	6.29	6.92	7.02
Phoenix	260.60	284.39	291.06	41.3	41.7	42.0	6.31	6.82	6.93
Tucson	234.99	255.96	267.73	40.1	39.5	40.2	5.86	6.48	6.66
ARKANSAS	198.80	208.98	218.00	40.0	38.7	40.0	4.97	5.40	5.45
Fayetteville-Springdale	174.09	192.72	194.44	38.6	39.9	39.6	4.51	4.83	4.91
Fort Smith	206.98	220.02	227.20	39.5	39.5	40.0	5.24	5.57	5.68
Little Rock-North Little Rock	228.85	241.00	249.05	39.8	39.9	40.3	5.75	6.04	6.18
Pine Bluff	268.18	295.26	303.74	42.5	42.0	42.6	5.31	7.03	7.13
CALIFORNIA	274.18	292.25	301.51	40.8	40.2	40.8	6.72	7.27	7.39
Anaheim-Santa Ana-Garden Grove	248.67	270.91	276.14	40.9	40.8	41.4	6.08	6.64	6.67
Bakersfield	276.32	324.36	324.81	38.7	40.8	40.5	7.14	7.95	8.02
Fresno	237.55	258.69	268.32	38.5	38.9	39.0	6.17	6.65	6.88
Los Angeles-Long Beach	257.51	276.74	285.36	41.4	40.4	41.0	6.22	6.85	6.96
Modesto	265.46	286.13	288.86	40.1	40.3	40.8	6.62	7.10	7.08
Oxnard-Simi Valley-Ventura	229.91	253.63	258.59	39.3	38.9	39.6	5.85	6.52	6.53
Riverside-San Bernardino-Ontario	279.50	303.06	306.68	40.1	40.3	40.3	6.97	7.52	7.61
Sacramento	291.40	308.03	312.42	39.7	38.6	39.2	7.34	7.98	7.97
Salinas-Seaside-Monterey	250.61	256.67	255.55	37.8	36.1	35.2	6.63	7.11	7.26
San Diego	255.84	271.83	279.40	39.3	39.0	39.8	6.51	6.97	7.02
San Francisco-Oakland	328.86	348.13	349.74	40.5	40.2	40.2	8.12	8.66	8.70
San Jose	289.76	309.96	314.47	41.1	41.0	41.0	7.05	7.56	7.67
Santa Barbara-Santa Maria-Lompoc	230.44	254.22	256.32	38.6	38.0	38.2	5.97	6.69	6.71
Santa Rosa	241.42	255.53	263.84	37.9	37.8	38.8	6.37	6.76	6.80
Stockton	296.80	309.25	308.90	40.0	39.8	39.3	7.42	7.77	7.86
Vallejo-Fairfield-Napa	285.53	308.11	306.54	38.9	39.1	39.1	7.34	7.88	7.84
COLORADO	252.16	274.53	274.82	39.4	39.5	39.6	6.40	6.95	6.94
Denver-Boulder	252.95	275.49	276.59	39.4	39.3	39.4	6.42	7.01	7.02
CONNECTICUT	267.46	286.09	291.72	43.0	42.7	42.9	6.22	6.70	6.80
Bridgeport	283.66	301.09	304.59	44.6	43.7	43.7	6.36	6.89	6.97
Hartford	306.40	315.92	336.68	44.6	43.1	44.3	6.87	7.33	7.60
New Britain	278.46	303.46	309.58	44.2	43.6	44.1	6.30	6.96	7.02
New Haven-West Haven	265.64	281.63	285.91	42.3	41.6	41.8	6.28	6.77	6.84
Stamford	264.58	282.91	287.32	42.4	42.8	44.0	6.24	6.61	6.53
Waterbury	233.38	249.37	249.37	42.9	42.7	42.7	5.44	5.84	5.84
DELAWARE	296.78	283.22	305.20	41.8	39.5	40.0	7.10	7.17	7.63
Wilmington	325.92	316.79	333.13	41.1	39.5	39.8	7.93	8.02	8.37
DISTRICT OF COLUMBIA:									
Washington SMSA	279.28	304.09	312.26	40.3	40.6	40.5	6.93	7.49	7.71
FLORIDA	217.56	230.20	237.27	42.0	40.6	41.7	5.18	5.67	5.69
Fort Lauderdale-Hollywood	201.06	227.94	227.94	40.7	41.9	41.9	4.94	5.44	5.44
Jacksonville	260.95	269.94	268.66	42.5	40.9	40.4	6.14	6.60	6.65
Miami	185.40	204.12	210.53	41.2	40.5	41.2	4.50	5.04	5.11
Orlando	233.28	243.23	252.59	43.2	42.3	43.4	5.40	5.75	5.82
Pensacola	278.60	297.65	314.43	43.6	42.4	44.6	6.39	7.02	7.05
Tampa-St. Petersburg	220.92	235.65	252.95	42.0	40.7	42.8	5.26	5.79	5.91
West Palm Beach-Boca Raton	262.78	255.12	256.88	45.7	39.8	41.1	5.75	6.41	6.25
GEORGIA	211.46	225.09	225.91	41.3	41.3	41.3	5.12	5.45	5.47
Atlanta	245.43	260.80	264.87	40.3	40.0	40.5	6.09	6.52	6.54
Savannah	285.80	316.84	314.32	43.7	44.5	43.9	6.54	7.12	7.16
HAWAII	239.32	256.58	267.07	38.6	38.7	40.1	6.20	6.63	6.66
Honolulu	235.75	258.34	263.31	37.6	38.5	39.3	6.27	6.71	6.70
IDAHO	250.58	258.44	264.92	37.4	36.4	37.0	6.70	7.10	7.16
Boise City	250.80	241.98	251.67	38.0	37.0	38.6	6.60	6.54	6.52

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
ILLINOIS	\$285.30	\$309.89	\$312.57	40.5	41.3	41.4	\$7.04	\$7.50	\$7.54
Bloomington—Normal	257.28	286.96	301.97	41.2	42.7	44.5	6.24	6.71	6.78
Champaign—Urbana—Rantoul	256.35	282.16	288.05	38.4	40.4	41.2	6.67	6.99	6.99
Chicago SMSA	278.92	291.79	291.64	40.8	40.7	40.6	6.84	7.17	7.18
Davenport—Rock Island—Moline	296.97	334.77	343.89	38.5	39.3	39.6	7.70	8.51	8.68
Decatur	332.59	310.87	308.36	43.3	39.1	39.3	7.67	7.95	7.85
Peoria	353.61	330.22	330.44	40.3	39.8	40.1	8.77	8.29	8.23
Rockford	299.08	316.03	318.50	43.4	42.9	42.8	6.90	7.37	7.43
Springfield	333.90	318.17	326.43	43.7	41.7	41.9	7.64	7.64	7.78
INDIANA	316.35	320.79	330.06	41.9	40.3	40.9	7.55	7.96	8.07
Gary—Hammond—East Chicago	413.40	422.27	(*)	41.8	39.8	(*)	9.89	10.61	(*)
Indianapolis	322.90	328.12	(*)	42.6	40.9	(*)	7.58	8.02	(*)
IOWA	310.34	332.52	349.85	41.6	40.9	42.1	7.46	8.13	8.31
Cedar Rapids	309.10	339.29	335.49	42.4	42.2	42.2	7.29	8.04	7.95
Des Moines	306.06	343.13	340.54	39.8	40.8	40.3	7.69	8.41	8.45
Dubuque	340.42	402.26	408.12	39.4	41.3	41.1	8.64	9.74	9.93
Sioux City	279.79	313.42	311.96	42.2	42.7	42.1	6.63	7.34	7.41
Waterloo—Cedar Falls	476.93	422.42	575.66	50.9	42.2	53.8	9.37	10.01	10.70
KANSAS	(*)	293.53	298.57	(*)	41.4	41.7	(*)	7.09	7.16
Topeka	(*)	303.81	282.50	(*)	40.4	39.4	(*)	7.52	7.17
Wichita	(*)	321.96	322.39	(*)	42.7	42.7	(*)	7.54	7.55
KENTUCKY	270.35	274.72	281.18	40.9	39.7	40.4	6.61	6.92	6.96
Louisville	309.32	317.56	336.18	41.8	40.3	42.5	7.40	7.88	7.91
LOUISIANA	282.63	305.15	305.44	42.5	42.5	42.6	6.65	7.18	7.17
Baton Rouge	346.80	389.27	392.73	42.5	43.3	43.3	8.16	8.99	9.07
New Orleans	266.53	305.58	303.54	40.2	42.5	42.1	6.63	7.19	7.21
Shreveport	254.15	263.86	270.44	42.5	40.1	41.1	5.98	6.58	6.58
MAINE	213.61	228.80	234.03	41.0	40.0	40.7	5.21	5.72	5.75
Lewiston—Auburn	169.02	185.22	189.42	38.5	37.8	38.5	4.39	4.90	4.92
Portland	209.51	216.22	226.08	41.0	39.1	40.3	5.11	5.53	5.61
MARYLAND	280.57	297.01	298.89	41.2	40.3	40.5	6.81	7.37	7.38
Baltimore	299.71	316.57	319.30	41.8	40.9	41.2	7.17	7.74	7.75
MASSACHUSETTS	237.72	254.00	(*)	41.2	40.0	(*)	5.77	6.35	(*)
Boston	261.43	280.09	283.30	41.3	40.3	40.4	6.33	6.95	7.01
Brockton	185.94	196.83	197.06	38.9	38.9	39.1	4.78	5.06	5.04
Fall River	165.43	185.80	(*)	36.2	35.8	(*)	4.57	5.19	(*)
Lawrence—Haverhill	236.74	254.12	271.77	41.1	40.4	42.2	5.76	6.29	6.44
Lowell	210.12	212.74	(*)	40.8	38.4	(*)	5.15	5.54	(*)
New Bedford	199.69	203.81	(*)	39.7	36.2	(*)	5.03	5.63	(*)
Springfield—Chicopee—Holyoke	240.54	254.81	260.37	42.2	41.5	42.2	5.70	6.14	6.17
Worcester	248.35	271.58	273.57	41.6	40.9	41.2	5.97	6.64	6.64
MICHIGAN	(*)	347.82	375.94	(*)	39.2	41.6	(*)	8.87	9.04
Ann Arbor	(*)	364.26	422.15	(*)	38.4	44.2	(*)	9.49	9.55
Battle Creek	(*)	357.86	359.47	(*)	40.5	40.9	(*)	8.84	8.79
Bay City	(*)	300.89	305.51	(*)	38.9	39.6	(*)	7.74	7.72
Detroit	(*)	374.16	410.43	(*)	39.8	42.7	(*)	9.40	9.61
Flint	(*)	396.59	410.91	(*)	39.6	40.5	(*)	10.02	10.15
Grand Rapids	(*)	290.88	298.35	(*)	38.8	39.6	(*)	7.50	7.53
Jackson	(*)	326.32	340.58	(*)	41.0	42.0	(*)	7.96	8.11
Kalamazoo—Portage	(*)	324.76	334.89	(*)	39.6	40.3	(*)	8.20	8.31
Lansing—East Lansing	(*)	358.31	375.68	(*)	37.1	38.5	(*)	9.66	9.76
Muskegon—Norton Shores—Muskegon Heights	(*)	284.74	297.61	(*)	37.1	38.6	(*)	7.68	7.71
Saginaw	(*)	395.99	401.64	(*)	39.3	39.7	(*)	10.08	10.12
MINNESOTA	275.67	287.52	290.56	40.9	40.1	40.3	6.74	7.17	7.21
Duluth—Superior	253.37	266.56	267.93	39.9	38.8	39.0	6.35	6.87	6.87
Minneapolis—St. Paul	299.41	307.75	313.65	41.7	40.6	41.0	7.18	7.58	7.65
MISSISSIPPI	192.10	203.31	204.51	40.7	40.1	40.1	4.72	5.07	5.10
Jackson	217.94	232.23	238.34	42.4	42.3	43.1	5.14	5.49	5.53

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
MISSOURI	\$268.45	\$275.02	\$284.72	41.3	39.8	40.5	\$6.50	\$6.91	\$7.03
Kansas City	306.39	319.56	327.24	41.8	40.4	40.6	7.33	7.91	8.06
St. Joseph	238.20	267.74	266.64	39.7	39.2	38.7	6.00	6.83	6.89
St. Louis	312.38	313.47	323.87	42.5	40.5	41.1	7.35	7.74	7.88
Springfield	226.63	239.01	246.58	39.9	38.8	39.9	5.68	6.16	6.18
MONTANA	341.01	378.88	390.28	42.1	43.4	44.3	8.10	8.73	8.81
NEBRASKA	256.06	284.13	292.46	41.5	41.6	41.9	6.17	6.83	6.98
Lincoln	255.84	261.86	259.74	40.1	39.2	39.0	6.38	6.68	6.66
Omaha	272.99	291.51	300.03	41.3	40.6	41.1	6.61	7.18	7.30
NEVADA	264.60	282.03	280.28	37.8	39.5	39.2	7.00	7.14	7.15
Las Vegas	336.76	350.22	(*)	39.9	39.0	(*)	8.44	8.98	(*)
NEW HAMPSHIRE	211.87	223.51	(*)	41.3	39.7	(*)	5.13	5.63	(*)
Manchester	183.74	199.56	(*)	39.6	38.9	(*)	4.64	5.13	(*)
Nashua	237.30	250.28	(*)	42.3	41.3	(*)	5.61	6.06	(*)
NEW JERSEY	274.33	289.91	294.83	42.4	42.2	42.3	6.47	6.87	6.97
Atlantic City	196.58	209.28	226.18	40.2	38.9	40.9	4.89	5.38	5.53
Camden ²	264.18	285.08	288.39	41.8	41.8	42.1	6.32	6.82	6.85
Hackensack ³	257.11	265.98	273.69	43.8	42.9	43.1	5.87	6.20	6.35
Jersey City ³	272.66	284.56	279.45	41.5	41.3	40.5	6.57	6.89	6.90
New Brunswick—Perth Amboy—Sayreville ³	297.79	310.91	312.07	42.3	41.4	40.9	7.04	7.51	7.63
Newark ³	276.92	296.60	300.57	43.0	42.8	43.0	6.44	6.93	6.99
Paterson—Clifton—Passaic ³	252.54	274.49	277.80	41.4	42.1	41.9	6.10	6.52	6.63
Trenton	290.96	290.60	291.60	42.6	40.7	40.5	6.83	7.14	7.20
NEW MEXICO	194.27	219.05	220.30	38.7	39.9	40.2	5.02	5.49	5.48
Albuquerque	197.11	217.95	227.05	39.5	39.7	40.4	4.99	5.49	5.62
NEW YORK	258.22	269.72	(*)	40.6	39.9	(*)	6.36	6.76	(*)
Albany—Schenectady—Troy	278.12	288.97	(*)	40.9	40.7	(*)	6.80	7.10	(*)
Binghamton	238.52	257.30	(*)	41.7	41.3	(*)	5.72	6.23	(*)
Buffalo	351.42	356.29	(*)	42.7	41.0	(*)	8.23	8.69	(*)
Elmira	252.94	275.11	(*)	40.6	41.0	(*)	6.23	6.71	(*)
Monroe County ⁴	354.47	364.91	(*)	43.6	41.8	(*)	8.13	8.73	(*)
Nassau—Suffolk ⁵	237.15	255.20	(*)	40.4	40.0	(*)	5.87	6.38	(*)
New York—Northeastern New Jersey	243.61	258.49	(*)	40.4	40.2	(*)	6.03	6.43	(*)
New York and Nassau—Suffolk ³	219.63	234.08	(*)	38.6	38.5	(*)	5.69	6.08	(*)
New York SMSA ⁵	215.83	228.60	(*)	38.2	38.1	(*)	5.65	6.00	(*)
New York City ⁶	212.24	224.32	(*)	37.9	37.7	(*)	5.60	5.95	(*)
Poughkeepsie	260.15	273.68	(*)	42.3	42.3	(*)	6.15	6.47	(*)
Rochester	330.91	339.46	(*)	43.2	41.6	(*)	7.66	8.16	(*)
Rockland County ⁶	255.55	259.26	(*)	42.1	40.7	(*)	6.07	6.37	(*)
Syracuse	287.22	302.22	(*)	42.3	41.4	(*)	6.79	7.30	(*)
Utica—Rome	246.74	264.79	(*)	41.4	40.8	(*)	5.96	6.49	(*)
Westchester County ⁶	241.38	267.34	(*)	40.5	42.1	(*)	5.96	6.35	(*)
NORTH CAROLINA	188.79	204.32	207.57	40.6	40.3	40.7	4.65	5.07	5.10
Asheville	186.00	204.59	205.32	40.7	41.0	40.9	4.57	4.99	5.02
Charlotte—Gastonia	194.27	209.48	212.34	41.6	41.4	41.8	4.67	5.06	5.08
Greensboro—Winston-Salem—High Point	206.55	223.91	228.02	40.9	40.2	40.5	5.05	5.57	5.63
Raleigh—Durham	212.86	233.86	235.18	40.7	40.6	40.9	5.23	5.76	5.75
NORTH DAKOTA ⁷	229.54	238.34	237.07	40.2	39.2	38.8	5.71	6.08	6.11
Fargo—Moorhead ⁷	249.71	264.22	252.50	39.7	40.4	37.8	6.29	6.54	6.68
OHIO	331.25	329.19	339.78	43.3	41.2	42.0	7.65	7.99	8.09
Akron	331.32	332.31	339.29	44.0	41.8	42.2	7.53	7.95	8.04
Canton	322.64	338.25	332.51	41.1	41.2	40.6	7.85	8.21	8.19
Cincinnati	312.33	313.08	322.71	43.5	41.8	42.8	7.18	7.49	7.54
Cleveland	353.68	333.31	350.57	44.6	41.2	42.7	7.93	8.09	8.21
Columbus	282.22	286.77	302.74	41.2	39.5	40.8	6.85	7.26	7.42
Dayton	351.08	343.60	358.19	45.3	41.8	43.0	7.75	8.22	8.33
Toledo	351.48	341.09	350.24	44.1	40.8	41.4	7.97	8.36	8.46
Youngstown—Warren	363.19	378.40	384.16	40.9	40.0	40.1	8.88	9.46	9.58

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
OKLAHOMA	\$248.87	\$279.45	\$295.60	41.0	40.5	41.4	\$6.07	\$6.90	\$7.14
Oklahoma City	242.00	298.32	318.07	40.2	42.8	44.3	6.02	6.97	7.18
Tulsa	267.24	292.66	309.59	40.8	40.2	41.5	6.55	7.28	7.46
OREGON	293.61	308.94	(*)	39.2	38.0	(*)	7.49	8.13	(*)
Eugene—Springfield	334.14	338.13	(*)	41.1	39.0	(*)	8.13	8.67	(*)
Jackson County	299.15	300.95	(*)	38.5	37.2	(*)	7.77	8.09	(*)
Portland	279.63	307.55	(*)	39.0	38.3	(*)	7.17	8.03	(*)
PENNSYLVANIA	270.95	294.19	292.47	40.5	40.3	39.9	6.69	7.30	7.33
Allentown—Bethlehem—Easton	261.80	295.60	292.59	38.5	39.1	38.6	6.80	7.56	7.58
Altoona	218.69	245.86	243.13	38.3	39.4	38.9	5.71	6.24	6.25
Delaware Valley	281.95	294.03	297.52	41.1	40.5	40.7	6.86	7.26	7.31
Erie	275.22	303.12	302.21	41.7	42.1	41.8	6.60	7.20	7.23
Harrisburg	254.34	283.66	282.08	40.5	41.9	41.3	6.28	6.77	6.83
Johnstown	281.08	312.00	316.32	39.7	39.0	39.1	7.08	8.00	8.09
Lancaster	246.69	263.96	266.27	41.6	41.7	41.8	5.93	6.33	6.37
Northeast Pennsylvania	194.53	207.38	209.44	37.7	37.5	37.4	5.16	5.53	5.60
Philadelphia SMSA	278.92	292.63	295.71	41.2	40.7	40.9	6.77	7.19	7.23
Pittsburgh	326.82	364.62	356.33	40.7	41.2	40.4	8.03	8.85	8.82
Reading	241.25	270.86	271.95	39.1	39.6	39.7	6.17	6.84	6.85
Scranton	205.71	214.50	218.67	40.1	39.0	39.4	5.13	5.50	5.55
Wilkes-Barre—Hazleton	184.41	201.08	201.35	35.6	36.1	35.7	5.18	5.57	5.64
Williamsport	245.23	267.47	262.19	40.4	40.1	38.9	6.07	6.67	6.78
York	252.88	257.84	256.04	42.5	42.2	41.7	5.95	6.11	6.14
RHODE ISLAND	195.91	208.29	212.13	39.9	39.3	39.8	4.91	5.30	5.33
Providence—Warwick—Pawtucket	198.19	207.24	210.94	40.2	39.4	39.8	4.93	5.26	5.30
SOUTH CAROLINA	203.01	220.06	221.06	41.6	41.6	41.7	4.88	5.29	5.30
Charleston—North Charleston	238.40	246.02	247.46	42.8	40.8	40.7	5.57	6.03	6.08
Columbia	196.50	218.06	215.71	40.6	41.3	40.7	4.84	5.28	5.30
Greenville—Spartanburg	202.31	218.59	221.73	41.8	41.4	41.6	4.84	5.28	5.33
SOUTH DAKOTA	228.38	251.55	258.83	43.5	43.0	42.5	5.25	5.85	6.09
Rapid City	168.96	204.06	213.94	32.0	35.8	34.9	5.28	5.70	6.13
Sioux Falls	318.93	341.86	348.69	49.6	51.1	47.7	6.43	6.69	7.31
TENNESSEE	215.47	225.60	231.01	40.2	40.0	40.6	5.36	5.64	5.69
Chattanooga	221.68	237.15	242.94	40.9	41.1	41.6	5.42	5.77	5.84
Knoxville	254.61	264.54	269.34	41.0	39.9	40.2	6.21	6.63	6.70
Memphis	262.29	262.84	271.51	41.9	40.5	41.2	6.26	6.49	6.59
Nashville—Davidson	240.95	247.46	248.26	41.4	40.5	40.5	5.82	6.11	6.13
TEXAS	256.20	278.30	283.92	42.0	41.6	42.0	6.10	6.69	6.76
Amarillo	248.22	269.81	270.70	42.0	43.1	42.9	5.91	6.26	6.31
Austin	200.34	210.02	217.00	42.9	41.1	42.3	4.67	5.11	5.13
Beaumont—Port Arthur—Orange	362.44	379.76	384.71	41.9	41.1	41.5	8.65	9.24	9.27
Corpus Christi	283.91	299.43	298.90	40.5	40.3	39.8	7.01	7.43	7.51
Dallas—Fort Worth	243.11	258.96	267.12	41.7	41.5	42.4	5.83	6.24	6.30
El Paso	185.93	219.05	211.43	39.9	42.7	42.8	4.66	5.13	4.94
Galveston—Texas City	398.79	417.78	417.36	43.3	42.2	42.2	9.21	9.90	9.89
Houston	327.36	353.78	356.04	44.6	44.5	44.9	7.34	7.95	7.93
Lubbock	199.79	212.57	213.19	42.6	42.6	42.3	4.69	4.99	5.04
San Antonio	180.80	199.17	201.78	40.0	40.4	40.6	4.52	4.93	4.97
Waco	232.48	242.28	238.04	43.7	41.7	40.9	5.32	5.81	5.82
Wichita Falls	230.33	246.62	250.10	41.5	40.1	41.0	5.55	6.15	6.10
UTAH	236.61	259.35	258.84	39.7	39.9	39.7	5.96	6.50	6.52
Salt Lake City—Ogden	231.58	243.41	242.35	40.7	40.1	39.6	5.69	6.07	6.12
VERMONT	221.84	232.40	242.65	41.7	40.7	42.2	5.32	5.71	5.75
Burlington	248.08	249.64	263.59	43.6	41.4	43.0	5.69	6.03	6.13
Springfield	273.50	263.27	300.60	44.4	41.2	45.0	6.16	6.39	6.68
VIRGINIA	219.40	231.38	235.53	40.8	40.1	40.4	5.37	5.77	5.83
Bristol ¹¹	195.58	216.33	215.07	38.5	38.7	38.2	5.08	5.59	5.63
Lynchburg ¹¹	214.80	233.16	229.94	40.3	40.2	40.2	5.33	5.80	5.72
Norfolk—Virginia Beach—Portsmouth ¹¹	261.08	264.04	269.93	42.8	41.0	41.4	6.10	6.44	6.52
Northern Virginia ^{11, 12}	248.05	259.50	259.69	41.0	39.8	40.2	6.05	6.52	6.46
Petersburg-Colonial Heights-Hopewell ¹¹	251.80	286.94	279.18	39.1	40.3	39.6	6.44	7.12	7.05

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
VIRGINIA—Continued									
Richmond ¹¹	\$273.42	\$285.22	\$286.53	42.0	40.4	40.3	\$6.63	\$7.06	\$7.11
Roanoke ¹¹	199.26	220.71	222.32	41.0	41.1	41.4	4.86	5.37	5.37
WASHINGTON	306.94	335.23	(*)	39.1	38.4	(*)	7.85	8.73	(*)
Seattle—Everett	314.42	345.54	(*)	39.8	39.4	(*)	7.90	8.77	(*)
Spokane	259.99	304.58	(*)	37.9	38.8	(*)	6.86	7.85	(*)
Tacoma	317.99	329.50	(*)	40.1	37.7	(*)	7.93	8.74	(*)
WEST VIRGINIA	285.11	298.26	301.41	40.1	39.4	39.4	7.11	7.57	7.65
Charleston	312.28	341.13	336.60	42.2	41.5	41.3	7.40	8.22	8.15
Huntington—Ashland	309.25	334.11	330.11	39.8	39.4	38.7	7.77	8.48	8.53
Parkersburg—Marietta	293.34	324.43	323.65	41.2	41.7	41.6	7.12	7.78	7.78
Wheeling	314.06	308.51	324.39	41.0	39.3	39.9	7.66	7.85	8.13
WISCONSIN	292.87	304.20	317.51	41.6	40.3	41.4	7.04	7.55	7.68
Appleton—Oshkosh	287.55	298.70	312.11	42.8	40.9	42.1	6.72	7.30	7.41
Eau Claire	285.51	302.19	306.46	41.1	40.3	40.5	6.95	7.50	7.56
Green Bay	298.54	311.70	324.38	42.8	41.6	42.3	6.97	7.50	7.67
Kenosha	321.74	354.41	416.87	39.7	39.8	45.5	8.11	8.90	9.17
La Crosse	239.53	256.61	276.22	41.3	40.1	41.6	5.80	6.40	6.64
Madison	287.64	317.55	320.56	40.6	40.0	40.2	7.08	7.95	7.98
Milwaukee	325.18	331.92	343.09	42.2	40.5	41.3	7.71	8.21	8.32
Racine	311.46	331.80	350.86	41.7	41.7	43.1	7.47	7.96	8.15
WYOMING ⁷	233.63	261.80	265.38	38.3	38.5	39.2	6.10	6.80	6.77
Casper ⁷	279.34	270.23	346.87	37.8	37.9	40.1	7.39	7.13	8.65
Cheyenne	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

¹ Data for 1979 not strictly comparable with earlier years.

² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

³ Subarea of New York-Northeast New Jersey.

⁴ Subarea of Rochester Standard Metropolitan Statistical Area.

⁵ Area included in New York and Nassau-Suffolk combined SMSA's.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

⁷ Revised to 1979 benchmark; not strictly comparable with previously published data.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁰ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹¹ Revised to December 1978 benchmark; not strictly comparable with previously published data.

¹² Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

D-1. Labor turnover rates in manufacturing, 1969 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.3	4.6	3.9	3.1	2.4
1978	4.1	3.8	3.2	3.8	4.0	4.7	4.9	4.4	5.4	4.9	4.3	3.3	2.4
1979	-	4.0	3.4	3.8	3.9	4.7	4.8	4.3	4.9	4.4	4.1	2.9	P2.2
New hires													
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	3.0	2.2	1.6
1978	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.2	3.9	3.5	2.6	1.7
1979	-	2.8	2.5	2.8	2.9	3.6	3.8	3.1	3.7	3.4	3.1	2.2	P1.5
Recalls													
1976	1.0	1.4	1.0	1.2	1.0	1.0	.9	1.1	1.1	.8	.7	.7	.7
1977	.9	1.2	1.3	1.1	.9	.8	.8	.9	1.0	.8	.6	.6	.6
1978	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.7	.6	.5	.5
1979	-	.9	.7	.7	.7	.8	.7	.9	.9	.8	.7	.5	P.6
Total separations													
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.9	3.8	3.4	3.4
1978	3.9	3.6	3.1	3.5	3.6	3.7	3.8	4.1	5.3	4.8	4.1	3.5	3.4
1979	-	3.8	3.2	3.6	3.6	3.8	3.9	4.3	5.7	4.7	4.2	3.8	P3.4
Quits													
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.5	3.1	2.3	1.7	1.3
1979	-	1.8	1.6	1.9	2.0	2.1	2.1	2.0	3.3	2.7	2.1	1.6	P1.1
Layoffs													
1969	1.2	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	1.1	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	1.1	1.5
1978	.9	1.2	.9	.9	.8	.7	.7	1.0	.8	.8	.9	1.0	1.4
1979	-	1.1	.8	.8	.9	.7	.8	1.4	1.3	1.1	1.2	1.5	P1.7

p-preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P
	MANUFACTURING	2.9	2.2	2.2	1.5	0.5	0.6	3.8	3.4	1.6	1.1	1.5	1.7
24, 25, 32-39	DURABLE GOODS	2.6	2.0	1.9	1.3	.4	.5	3.5	3.1	1.3	.9	1.4	1.6
20-23, 26-31	NONDURABLE GOODS	3.4	2.6	2.5	1.7	.7	.7	4.3	3.9	1.9	1.4	1.6	1.8
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	3.3	2.4	2.7	1.7	.5	.7	6.7	5.9	2.6	1.8	3.1	3.3
242	Sawmills and planing mills	2.8	-	2.3	-	.4	-	5.2	-	2.3	-	2.1	-
2421	Sawmills and planing mills, general	2.4	-	1.9	-	.4	-	5.0	-	1.9	-	2.3	-
243	Millwork, plywood, and structural members	3.0	-	2.5	-	.4	-	7.1	-	2.4	-	3.6	-
2431	Millwork	2.3	-	1.9	-	.2	-	6.7	-	1.9	-	3.9	-
244	Wooden containers	5.4	-	4.7	-	.6	-	6.2	-	4.5	-	.9	-
245	Wood buildings and mobile homes	4.5	-	3.3	-	.4	-	12.9	-	4.4	-	7.0	-
2451	Mobile homes	5.4	-	4.2	-	.5	-	14.5	-	5.3	-	7.5	-
249	Miscellaneous wood products	4.2	-	3.4	-	.6	-	5.5	-	2.5	-	1.9	-
26	FURNITURE AND FIXTURES	3.9	2.6	3.2	1.8	.6	.7	4.6	3.5	2.3	1.6	1.1	1.2
251	Household furniture	4.2	-	3.4	-	.6	-	4.8	-	2.6	-	.9	-
2511	Wood household furniture	4.0	-	3.8	-	.1	-	4.0	-	2.8	-	.2	-
2512	Upholstered household furniture	3.2	-	2.8	-	.3	-	4.9	-	2.3	-	1.1	-
2516	Mattresses and bedspings	4.1	-	3.8	-	.3	-	6.6	-	3.1	-	1.9	-
252	Office furniture	2.5	-	2.3	-	.2	-	3.0	-	1.3	-	.9	-
254	Partitions and fixtures	3.7	-	3.2	-	.4	-	4.7	-	2.1	-	1.8	-
32	STONE, CLAY, AND GLASS PRODUCTS	2.7	2.0	2.0	1.3	.6	.6	4.2	4.8	1.5	1.1	2.0	3.0
322	Glass and glassware, pressed or blown	2.4	-	.9	-	1.1	-	3.6	-	.7	-	2.1	-
3221	Glass containers	2.6	-	1.0	-	1.4	-	4.7	-	.8	-	3.3	-
3229	Pressed and blown glass, nec	2.2	-	.9	-	.8	-	2.2	-	.6	-	.8	-
323	Products of purchased glass	3.3	-	1.8	-	1.3	-	4.9	-	1.8	-	2.4	-
324	Cement, hydraulic .....	.6	-	.4	-	.1	-	1.3	-	.3	-	.7	-
325	Structural clay products	3.8	-	3.1	-	.4	-	5.0	-	2.8	-	1.3	-
326	Pottery and related products	2.6	-	2.3	-	.2	-	3.8	-	1.5	-	1.3	-
327	Concrete, gypsum, and plaster products	3.5	-	2.9	-	.4	-	5.5	-	2.1	-	2.5	-
329	Misc. nonmetallic mineral products	2.1	-	1.6	-	.4	-	3.2	-	1.1	-	1.5	-
33	PRIMARY METAL INDUSTRIES	1.9	1.9	1.1	.7	.6	.9	3.2	3.2	.7	.5	1.8	1.9
331	Blast furnace and basic steel products	1.6	-	.3	-	1.0	-	2.9	-	.3	-	2.0	-
3312	Blast furnaces and steel mills	1.6	-	.2	-	1.1	-	2.8	-	.2	-	1.9	-
332	Iron and steel foundries	2.3	-	1.7	-	.4	-	5.2	-	1.1	-	3.2	-
3321	Gray iron foundries	2.1	-	1.5	-	.4	-	5.0	-	1.2	-	3.0	-
3325	Steel foundries, nec	2.2	-	1.6	-	.4	-	6.9	-	.8	-	5.2	-
333	Primary nonferrous metals	1.0	-	.7	-	.2	-	.8	-	.3	-	.1	-
335	Nonferrous rolling and drawing	1.6	-	1.1	-	.3	-	2.0	-	.6	-	.8	-
3351	Copper rolling and drawing	1.9	-	1.5	-	.4	-	2.6	-	.7	-	1.3	-
3353	Aluminum sheet, plate, and foil .....	.9	-	.3	-	.6	-	1.5	-	.1	-	1.2	-
3357	Nonferrous wire drawing and insulating	1.4	-	1.1	-	.1	-	1.6	-	.5	-	.6	-
336	Nonferrous foundries	3.8	-	2.9	-	.6	-	5.0	-	1.8	-	2.3	-
3361	Aluminum foundries	4.2	-	3.3	-	.6	-	5.6	-	1.8	-	2.9	-
34	FABRICATED METAL PRODUCTS	3.0	2.2	2.3	1.5	.5	.5	3.9	3.4	1.5	1.1	1.6	1.6
341	Metal cans and shipping containers	3.6	-	1.0	-	2.3	-	3.9	-	.7	-	2.2	-
3411	Metal cans	1.7	-	.6	-	2.6	-	4.0	-	.5	-	2.5	-
342	Cutlery, hand tools, and hardware	2.8	-	2.3	-	.4	-	3.6	-	1.5	-	1.5	-
3423, 5	Hand and edge tools, and hand saws and blades	3.0	-	2.8	-	.2	-	2.4	-	1.5	-	.2	-
3429	Hardware, nec	2.7	-	2.0	-	.6	-	4.5	-	1.5	-	2.3	-
343	Plumbing and heating, except electric	3.4	-	2.7	-	.6	-	3.3	-	1.4	-	.9	-
344	Fabricated structural metal products	3.4	-	2.9	-	.5	-	3.8	-	1.9	-	1.1	-
3441	Fabricated structural metal	3.5	-	2.8	-	.7	-	3.1	-	1.7	-	.6	-
3442	Metal doors, sash, and trim	4.1	-	3.5	-	.6	-	5.3	-	2.8	-	1.7	-
3443	Fabricated plate work (boiler shops)	2.2	-	1.9	-	.2	-	2.4	-	1.2	-	.6	-
3444	Sheet metal work	3.7	-	3.1	-	.5	-	4.6	-	2.0	-	1.6	-
345	Screw machine products, bolts, etc.	2.9	-	2.5	-	.4	-	3.3	-	1.7	-	.9	-
3451	Screw machine products	3.7	-	3.3	-	.3	-	3.9	-	2.4	-	.6	-
3452	Bolts, nuts, rivets, and washers	2.2	-	1.7	-	.4	-	2.7	-	1.1	-	1.2	-
346	Metal forgings and stampings	2.1	-	1.3	-	.6	-	4.5	-	.9	-	2.9	-
3462	Iron and steel forgings	1.4	-	1.0	-	.3	-	2.7	-	.5	-	1.5	-
3465	Automotive stampings	1.9	-	.2	-	1.0	-	6.9	-	.5	-	5.8	-
3469	Metal stampings, nec	2.6	-	2.2	-	.3	-	3.7	-	1.5	-	1.3	-
347	Metal services, nec	4.5	-	3.8	-	.4	-	6.3	-	2.9	-	2.0	-
348	Ordnance and accessories, nec	1.9	-	1.4	-	.2	-	1.5	-	.6	-	.5	-
349	Misc. fabricated metal products	2.9	-	2.3	-	.4	-	3.6	-	1.4	-	1.4	-
3494	Valves and pipe fittings	2.5	-	1.8	-	.6	-	2.4	-	1.0	-	.8	-
3496	Misc. fabricated wire products	4.1	-	3.6	-	.3	-	3.8	-	2.3	-	.6	-

See footnotes at end of table.

ESTABLISHMENT DATA

LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P
35	MACHINERY, EXCEPT ELECTRICAL	2.3	1.9	1.8	1.3	0.2	0.4	2.5	1.9	1.1	0.7	0.7	0.6
351	Engines and turbines	2.0	-	.8	-	.3	-	2.5	-	.4	-	1.0	-
3511	Turbines and turbine generator sets	1.2	-	.3	-	.1	-	1.6	-	.3	-	.3	-
3519	Internal combustion engines, nec	2.3	-	.9	-	.4	-	2.9	-	.4	-	1.3	-
352	Farm and garden machinery	2.8	-	2.4	-	.1	-	2.3	-	1.2	-	.3	-
3523	Farm machinery and equipment	2.8	-	2.3	-	.1	-	2.1	-	1.2	-	.3	-
353	Construction and related machinery	2.1	-	1.7	-	.3	-	3.2	-	1.0	-	1.6	-
3531	Construction machinery	1.8	-	.8	-	.9	-	4.7	-	.5	-	3.9	-
3533	Oil field machinery	2.8	-	2.6	-	(¹)	-	2.5	-	1.6	-	.1	-
354	Metalworking machinery	2.3	-	1.9	-	.2	-	2.1	-	1.0	-	.5	-
3541	Machine tools, metal cutting types	2.0	-	1.8	-	.1	-	1.2	-	.7	-	.1	-
3544	Special dies, tools, jigs, and fixtures	2.4	-	1.9	-	.3	-	3.1	-	1.2	-	1.1	-
3545	Machine tool accessories	2.5	-	2.0	-	.3	-	1.7	-	1.1	-	.1	-
355	Special industry machinery	1.8	-	1.6	-	.1	-	1.7	-	.9	-	.2	-
3551	Food products machinery	1.8	-	1.6	-	.2	-	1.8	-	1.0	-	.4	-
3552	Textile machinery	2.3	-	1.9	-	.1	-	2.3	-	1.1	-	.6	-
356	General industrial machinery	1.9	-	1.4	-	.2	-	2.2	-	.9	-	.7	-
3561	Pumps and pumping equipment	1.3	-	1.2	-	.1	-	1.6	-	.9	-	.3	-
3562	Ball and roller bearings	2.2	-	1.4	-	.1	-	2.6	-	.6	-	1.3	-
3564	Blowers and fans	1.7	-	1.5	-	.1	-	2.3	-	1.1	-	.5	-
357	Office and computing machines	2.5	-	2.0	-	.1	-	2.0	-	1.2	-	.1	-
3573	Electronic computing equipment	2.5	-	2.0	-	.1	-	1.8	-	1.2	-	(¹)	-
358	Refrigeration and service machinery	2.4	-	1.7	-	.4	-	3.5	-	1.0	-	1.6	-
3585	Refrigeration and heating equipment	2.4	-	1.6	-	.5	-	4.1	-	1.0	-	2.1	-
359	Misc. machinery, except electrical	3.1	-	2.7	-	.2	-	3.0	-	1.6	-	.7	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.5	2.0	1.9	1.5	.3	.3	2.8	2.1	1.3	.9	.7	.6
361	Electric distributing equipment	2.3	-	1.6	-	.2	-	2.8	-	1.2	-	.6	-
3612	Transformers	2.4	-	1.5	-	.2	-	2.6	-	1.0	-	.6	-
3613	Switchgear and switchboard apparatus	2.3	-	1.7	-	.2	-	2.9	-	1.3	-	.6	-
362	Electrical industrial apparatus	2.0	-	1.3	-	.3	-	2.4	-	.9	-	.8	-
3621	Motors and generators	2.2	-	1.3	-	.4	-	2.7	-	.8	-	1.2	-
3622	Industrial controls	1.7	-	1.2	-	.2	-	2.1	-	1.0	-	.5	-
363	Household appliances	3.5	-	2.0	-	.7	-	3.7	-	1.3	-	1.2	-
3632	Household refrigerators and freezers	4.8	-	1.7	-	1.4	-	3.4	-	.5	-	.9	-
3633	Household laundry equipment	1.9	-	.7	-	.4	-	1.5	-	.4	-	.4	-
3634	Electric housewares and fans	3.6	-	2.8	-	.6	-	5.7	-	2.6	-	2.2	-
364	Electric lighting and wiring equipment	2.6	-	1.9	-	.3	-	3.2	-	1.3	-	1.1	-
3641	Electric lamps	1.6	-	.8	-	.3	-	1.9	-	.5	-	.6	-
3643	Current-carrying wiring devices	2.7	-	2.1	-	.2	-	2.5	-	1.2	-	.6	-
365	Radio and TV receiving equipment	2.7	-	1.5	-	.3	-	4.1	-	1.3	-	1.6	-
3651	Radio and TV receiving sets	2.6	-	1.2	-	.3	-	3.8	-	.9	-	1.6	-
366	Communication equipment	1.8	-	1.5	-	.1	-	1.5	-	.8	-	.1	-
3661	Telephone and telegraph apparatus	1.6	-	1.3	-	.1	-	.8	-	.4	-	.1	-
3662	Radio and TV communication equipment	2.0	-	1.6	-	.1	-	1.8	-	1.0	-	.2	-
367	Electronic components and accessories	3.3	-	2.8	-	.3	-	3.1	-	2.0	-	.3	-
3671-3	Electronic tubes	1.6	-	1.2	-	.1	-	1.9	-	.9	-	.3	-
3674	Semiconductors and related devices	2.8	-	2.4	-	.2	-	2.1	-	1.3	-	.1	-
3679	Electronic components, nec	3.8	-	3.3	-	.3	-	4.0	-	3.6	-	.5	-
369	Misc. electrical equipment and supplies	2.3	-	1.5	-	.5	-	4.0	-	1.0	-	2.3	-
3694	Engine electrical equipment	1.9	-	.8	-	.9	-	5.3	-	.7	-	3.9	-
37	TRANSPORTATION EQUIPMENT	2.4	-	1.4	-	.7	-	3.3	-	.9	-	1.8	-
371	Motor vehicles and equipment	1.9	-	.6	-	.7	-	4.1	-	.7	-	2.6	-
3711	Motor vehicles and car bodies	1.5	-	.4	-	.6	-	2.7	-	.7	-	1.3	-
3713	Truck and bus bodies	2.1	-	1.6	-	.4	-	6.3	-	1.2	-	4.3	-
3714	Motor vehicle parts and accessories	2.2	-	.6	-	.9	-	5.0	-	.6	-	3.5	-
3715	Truck trailers	3.0	-	1.7	-	1.1	-	6.4	-	1.1	-	4.2	-
372	Aircraft and parts	2.3	-	1.9	-	.2	-	1.4	-	.8	-	.1	-
3721	Aircraft	1.9	-	1.4	-	.2	-	1.1	-	.6	-	.1	-
3724	Aircraft engines and engine parts	1.9	-	1.5	-	.1	-	1.0	-	.4	-	(¹)	-
3728	Aircraft equipment, nec	4.0	-	3.7	-	.2	-	2.6	-	1.7	-	.1	-
373	Ship and boat building and repairing	4.9	-	2.8	-	1.9	-	6.4	-	1.7	-	3.7	-
3731	Ship building and repairing	5.1	-	2.8	-	2.1	-	6.5	-	1.4	-	4.1	-
3732	Boat building and repairing	4.1	-	3.0	-	1.1	-	6.0	-	2.9	-	2.2	-
374	Railroad equipment	2.4	-	.7	-	.9	-	2.9	-	.4	-	1.6	-
378	Guided missiles, space vehicles, parts	1.9	-	1.6	-	.1	-	1.1	-	.5	-	.3	-
3781	Guided missiles and space vehicles	1.8	-	1.5	-	.1	-	.8	-	.4	-	.1	-
379	Miscellaneous transportation equipment	3.9	-	3.0	-	.7	-	6.7	-	2.1	-	3.4	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.5	1.7	2.0	1.4	.2	.1	2.2	1.9	1.1	.8	.4	.6
381	Engineering and scientific instruments	2.4	-	2.2	-	.1	-	1.7	-	1.2	-	.1	-
382	Measuring and controlling devices	2.6	-	1.9	-	.2	-	2.3	-	1.0	-	.4	-
3822	Environmental controls	2.4	-	1.8	-	.1	-	2.4	-	.9	-	.8	-
3823	Process control instruments	2.1	-	1.7	-	.3	-	2.0	-	.9	-	.4	-
3825	Instruments to measure electricity	3.0	-	1.9	-	.1	-	2.6	-	1.1	-	.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P
INSTRUMENTS AND RELATED PRODUCTS—Cont'd													
383	Optical instruments and lenses	2.8	—	2.6	—	0.1	—	2.0	—	1.4	—	0.1	—
384	Medical instruments and supplies	3.4	—	3.1	—	.1	—	2.5	—	1.6	—	.2	—
3841	Surgical and medical instruments	4.7	—	4.4	—	.1	—	3.1	—	2.1	—	.2	—
3842	Surgical appliances and supplies	2.4	—	2.1	—	.2	—	2.0	—	1.2	—	.2	—
385	Ophthalmic goods	3.6	—	2.6	—	.4	—	3.9	—	1.8	—	1.4	—
386	Photographic equipment and supplies	1.0	—	.8	—	(¹)	—	1.0	—	.4	—	.1	—
387	Watches, clocks, and watchcases	2.0	—	1.4	—	.5	—	5.3	—	1.6	—	2.7	—
MISCELLANEOUS MANUFACTURING INDUSTRIES													
39	Jewelry, silverware, and plated ware	3.5	2.3	2.7	1.6	.6	0.5	6.6	6.8	2.5	1.4	3.0	4.7
391	Musical instruments	3.0	—	2.4	—	.5	—	4.1	—	2.0	—	1.6	—
393	Toys and sporting goods	2.1	—	1.6	—	.3	—	5.6	—	2.0	—	2.9	—
394	Dolls, games, toys, and children's vehicles	4.5	—	3.6	—	.6	—	11.7	—	3.7	—	6.4	—
3942,4	Sporting and athletic goods, nec	4.8	—	4.2	—	.4	—	18.2	—	5.2	—	11.1	—
3949	Pens, pencils, office and art supplies	4.2	—	3.0	—	.8	—	4.7	—	2.1	—	1.3	—
395	Costume jewelry and notions	2.8	—	2.3	—	.3	—	3.6	—	1.6	—	1.1	—
396	Miscellaneous manufactures	4.0	—	3.2	—	.7	—	7.8	—	3.5	—	2.9	—
399	Miscellaneous manufactures	2.9	—	2.2	—	.6	—	3.7	—	1.7	—	1.3	—
NONDURABLE GOODS													
20	Meat products	4.5	3.4	3.2	2.2	1.1	.9	6.2	6.1	2.5	1.9	2.9	3.4
201	Meat packing plants	5.6	—	4.2	—	1.0	—	6.0	—	3.7	—	1.5	—
2011	Sausages and other prepared meats	4.4	—	2.8	—	1.1	—	4.6	—	1.5	—	2.3	—
2013	Poultry dressing plants	3.5	—	2.1	—	1.3	—	4.5	—	1.7	—	2.1	—
2016	Dairy products	8.4	—	7.3	—	.7	—	8.7	—	7.7	—	.1	—
202	Preserved fruits and vegetables	2.6	—	2.0	—	.5	—	3.2	—	1.7	—	.9	—
203	Grain mill products	7.9	—	5.0	—	2.8	—	15.1	—	4.2	—	9.7	—
204	Bakery products	3.1	—	2.2	—	.7	—	4.0	—	1.5	—	1.8	—
205	Bread, cake, and related products	2.6	—	2.0	—	.4	—	3.1	—	1.6	—	.9	—
2051	Cookies and crackers	2.6	—	2.1	—	.3	—	2.9	—	1.6	—	.6	—
2052	Sugar and confectionery products	2.7	—	1.7	—	.9	—	4.2	—	1.6	—	2.1	—
206	Fats and oils	5.6	—	3.1	—	2.1	—	7.3	—	2.1	—	4.3	—
207	Beverages	4.7	—	3.4	—	1.1	—	3.3	—	1.8	—	.8	—
206	Malt beverages	3.3	—	2.2	—	1.0	—	4.5	—	1.7	—	1.9	—
2082	Bottled and canned soft drinks	3.8	—	.9	—	2.6	—	3.1	—	.2	—	2.1	—
2086	Misc. foods and kindred products	3.4	—	2.9	—	.4	—	4.2	—	2.5	—	.7	—
209	Misc. foods and kindred products	4.5	—	3.5	—	.9	—	6.4	—	2.6	—	3.0	—
21	TOBACCO MANUFACTURES	4.1	—	1.4	—	2.3	—	5.5	—	.4	—	4.4	—
211	Cigarettes	1.3	—	.5	—	.2	—	.8	—	.2	—	(¹)	—
22	TEXTILE MILL PRODUCTS	3.7	2.4	2.9	1.9	.5	.3	4.0	3.4	2.4	1.6	.8	1.1
221	Weaving mills, cotton	3.3	—	2.7	—	.2	—	3.4	—	2.1	—	.2	—
222	Weaving mills, synthetics	3.5	—	3.0	—	.2	—	3.7	—	2.4	—	.5	—
223	Weaving and finishing mills, wool	5.1	—	3.9	—	1.0	—	4.7	—	2.6	—	1.2	—
224	Narrow fabric mills	3.3	—	2.7	—	.4	—	3.7	—	2.2	—	.5	—
225	Knitting mills	4.1	—	3.1	—	.9	—	4.7	—	2.6	—	1.4	—
2251	Women's hosiery, except socks	5.0	—	4.5	—	.4	—	4.7	—	3.6	—	.4	—
2252	Hosiery, nec	4.0	—	3.4	—	.4	—	4.0	—	3.1	—	.4	—
2253	Knit outerwear mills	4.0	—	3.1	—	.7	—	4.7	—	2.2	—	1.9	—
2254	Knit underwear mills	3.0	—	2.0	—	.7	—	3.3	—	2.2	—	.3	—
2257	Circular knit fabric mills	5.3	—	3.4	—	1.8	—	4.7	—	3.0	—	.7	—
226	Textile finishing, except wool	2.7	—	2.1	—	.4	—	2.9	—	1.7	—	.5	—
227	Floor covering mills	2.8	—	2.3	—	.3	—	4.0	—	2.1	—	1.1	—
228	Yarn and thread mills	4.7	—	3.8	—	.5	—	4.7	—	3.1	—	.6	—
229	Miscellaneous textile goods	3.2	—	2.3	—	.7	—	3.6	—	1.5	—	1.3	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	4.5	3.1	3.1	1.8	1.2	1.1	5.6	5.3	2.6	1.8	2.3	2.9
231	Men's and boys' suits and coats	3.9	—	2.0	—	1.0	—	4.6	—	1.5	—	2.4	—
232	Men's and boys' furnishings	4.3	—	3.4	—	.7	—	5.5	—	3.2	—	1.6	—
2321	Men's and boys' shirts and nightwear	3.9	—	2.9	—	.7	—	4.8	—	2.9	—	1.1	—
2327	Men's and boys' separate trousers	3.4	—	2.9	—	.3	—	3.7	—	2.8	—	.3	—
2328	Men's and boys' work clothing	5.1	—	4.4	—	.6	—	5.1	—	3.8	—	.6	—
233	Women's and misses' outerwear	4.4	—	2.7	—	1.6	—	6.1	—	2.2	—	3.1	—
234	Women's and children's undergarments	4.2	—	2.8	—	1.2	—	4.7	—	2.5	—	1.5	—
2341	Women's and children's underwear	4.2	—	2.8	—	1.2	—	4.9	—	2.7	—	1.5	—
2342	Brassieres and allied garments	4.2	—	2.9	—	1.2	—	3.7	—	1.5	—	1.6	—
236	Children's outerwear	4.8	—	3.5	—	1.2	—	6.1	—	2.4	—	3.0	—
238	Misc. apparel and accessories	3.7	—	2.7	—	.8	—	5.6	—	2.5	—	2.2	—
239	Misc. fabricated textile products	5.3	—	3.7	—	1.3	—	5.7	—	2.8	—	2.0	—
26	PAPER AND ALLIED PRODUCTS	1.9	1.7	1.4	1.0	.4	.5	2.7	2.3	1.0	.7	1.0	1.0
261,2,6	Paper and pulp mills	1.2	—	.7	—	.3	—	1.2	—	.4	—	.5	—
262	Paper mills, except building paper	1.0	—	.7	—	.3	—	1.3	—	.3	—	.5	—

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P	Nov. 1979	Dec. 1979 ^P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	1.0	—	0.8	—	0.1	—	1.7	—	0.5	—	0.7	—
264	Misc. converted paper products	2.3	—	1.8	—	.3	—	3.5	—	1.3	—	1.3	—
265	Paperboard containers and boxes	2.7	—	1.9	—	.6	—	3.4	—	1.3	—	1.3	—
2651	Folding paperboard boxes	2.9	—	1.9	—	1.0	—	2.9	—	1.1	—	1.1	—
2653	Corrugated and solid fiber boxes	2.0	—	1.7	—	.2	—	2.7	—	1.2	—	.8	—
27	PRINTING AND PUBLISHING	3.2	2.7	2.6	2.1	.4	0.5	3.0	2.8	1.9	1.6	.5	0.7
271	Newspapers	3.5	—	3.2	—	.1	—	3.0	—	2.4	—	.1	—
272	Periodicals	2.9	—	2.7	—	.1	—	2.4	—	1.7	—	.1	—
273	Books	3.7	—	2.1	—	1.5	—	2.4	—	1.3	—	.7	—
274	Miscellaneous publishing	3.2	—	2.9	—	.2	—	2.9	—	2.0	—	.2	—
275	Commercial printing	2.6	—	2.1	—	.4	—	2.7	—	1.4	—	.8	—
2751	Commercial printing, letterpress	2.5	—	2.1	—	.4	—	2.5	—	1.2	—	.7	—
2752	Commercial printing, lithographic	2.8	—	2.2	—	.5	—	2.9	—	1.5	—	.8	—
278	Blankbooks and bookbinding	4.1	—	3.3	—	.7	—	4.8	—	2.3	—	1.8	—
28	CHEMICALS AND ALLIED PRODUCTS	1.3	1.1	1.0	.9	.2	.2	1.4	1.4	.6	.5	.4	.4
281	Industrial inorganic chemicals	1.1	—	.9	—	.1	—	1.0	—	.4	—	.2	—
2819	Industrial inorganic chemicals, nec	1.0	—	.8	—	.1	—	.8	—	.4	—	.1	—
282	Plastics materials and synthetics	1.1	—	.7	—	.2	—	1.0	—	.4	—	.2	—
2821	Plastics materials and resins	1.3	—	1.0	—	.1	—	1.4	—	.6	—	.2	—
2824	Organic fibers, noncellulosic	.6	—	.4	—	.1	—	.6	—	.3	—	.1	—
283	Drugs	1.2	—	1.0	—	.1	—	1.0	—	.5	—	.2	—
2834	Pharmaceutical preparations	1.3	—	1.1	—	.1	—	1.1	—	.5	—	.2	—
284	Soap, cleaners, and toilet goods	1.8	—	1.2	—	.5	—	2.7	—	.7	—	1.4	—
2841	Soap and other detergents	1.5	—	.9	—	.6	—	2.2	—	.4	—	1.4	—
2844	Toilet preparations	2.0	—	1.3	—	.5	—	3.1	—	.8	—	1.6	—
285	Paints and allied products	1.4	—	1.3	—	.1	—	2.1	—	1.1	—	.5	—
286	Industrial organic chemicals	1.0	—	.9	—	.1	—	1.0	—	.4	—	.1	—
287	Agricultural chemicals	2.3	—	1.8	—	.4	—	1.9	—	1.0	—	.3	—
288	Miscellaneous chemical products	1.8	—	1.4	—	.3	—	2.2	—	.9	—	.8	—
29	PETROLEUM AND COAL PRODUCTS	1.5	1.1	1.3	.9	.1	.1	1.9	1.8	.7	.6	.7	.8
291	Petroleum refining	1.0	—	.9	—	(¹)	—	.9	—	.4	—	.1	—
295	Paving and roofing materials	3.4	—	2.9	—	.3	—	6.5	—	1.9	—	3.4	—
30	RUBBER AND MISC. PLASTICS PRODUCTS	3.5	2.6	2.6	1.6	.6	.8	5.2	4.2	2.2	1.6	2.1	1.8
301	Tires and inner tubes	1.2	—	.5	—	.2	—	2.4	—	.3	—	1.5	—
302	Rubber and plastics footwear	7.2	—	5.9	—	.9	—	8.2	—	4.9	—	1.3	—
303,4	Reclaimed rubber, and rubber and plastics hose and belting	2.0	—	1.1	—	.6	—	2.5	—	.8	—	1.2	—
306	Fabricated rubber products, nec	2.6	—	1.5	—	.6	—	5.0	—	1.3	—	2.8	—
307	Miscellaneous plastics products	4.2	—	3.2	—	.7	—	5.9	—	2.8	—	2.1	—
31	LEATHER AND LEATHER PRODUCTS	5.4	4.3	4.1	2.6	1.1	1.5	6.7	6.2	3.2	2.3	2.6	3.1
311	Leather tanning and finishing	5.9	—	2.7	—	3.1	—	5.8	—	2.1	—	2.9	—
314	Footwear, except rubber	5.6	—	4.3	—	.9	—	6.8	—	3.5	—	2.3	—
3143	Men's footwear, except athletic	4.4	—	3.5	—	.5	—	5.1	—	3.3	—	.9	—
3144	Women's footwear, except athletic	6.2	—	4.5	—	1.4	—	6.6	—	3.5	—	2.2	—
	NONMANUFACTURING:												
	MINING	4.3	3.6	3.4	2.7	.7	.6	4.3	4.1	2.8	2.3	.8	1.0
10	METAL MINING	2.4	1.5	1.9	1.3	.3	(¹)	2.2	1.6	.9	.8	.6	.2
101	Iron ores	1.1	—	.6	—	(¹)	—	2.6	—	.3	—	1.6	—
102	Copper ores	1.4	—	1.2	—	.1	—	.9	—	.5	—	(¹)	—
12	BITUMINOUS COAL AND LIGNITE MINING	1.5	.9	.8	.5	.5	.2	1.4	2.3	.8	.4	.3	1.4
13	OIL AND GAS EXTRACTION	6.7	5.8	5.6	4.6	.9	.9	6.0	5.1	4.7	4.0	.5	.2
131,2	Crude petroleum, natural gas, and natural gas liquids	1.8	—	1.4	—	.3	—	1.3	—	.8	—	.1	—
138	Oil and gas field services	10.2	—	8.6	—	1.3	—	9.4	—	7.4	—	.7	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	2.6	1.9	1.7	1.2	.5	.5	4.8	6.0	1.2	1.1	2.9	4.1
142	Crushed and broken stone	1.9	—	1.6	—	.2	—	5.3	—	1.1	—	3.9	—
144	Sand and gravel	3.9	—	1.6	—	1.1	—	7.2	—	1.3	—	4.8	—
—	COMMUNICATION:												
481	Telephone communication	.7	—	.5	—	(¹)	—	.7	—	.3	—	.1	—

¹ Less than 0.05.

^P preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1969 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974	4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975	3.0	3.1	3.2	3.7	3.6	3.8	4.1	4.0	3.9	3.8	3.8	3.8
1976	4.2	4.1	4.2	4.0	4.0	3.8	3.9	3.8	3.8	3.7	3.8	3.9
1977	4.0	4.4	4.1	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1	4.3
1978	4.1	3.9	4.0	4.1	4.0	4.0	4.0	4.0	4.1	4.3	4.4	4.5
1979	4.3	4.2	4.0	3.9	4.0	4.0	3.9	3.7	3.8	4.1	3.9	P4.0
New hires												
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974	3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976	2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.6
1977	2.7	2.8	2.9	2.9	3.0	2.8	2.8	2.8	2.8	2.9	2.9	3.2
1978	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.3	3.4	3.5
1979	3.3	3.3	3.1	3.0	3.0	3.0	2.8	2.7	2.8	2.9	3.0	P3.0
Total separations												
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974	5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975	5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.9	3.9	3.8	3.5
1976	3.6	3.6	3.8	3.9	3.8	3.9	4.0	3.9	3.9	3.8	3.7	3.7
1977	3.9	4.1	3.7	3.7	3.8	3.7	4.0	3.8	3.9	3.8	3.8	3.9
1978	3.7	3.9	3.8	4.0	4.0	4.0	3.8	3.9	3.7	3.9	4.0	4.0
1979	4.1	4.0	3.9	3.9	4.0	4.1	4.0	4.3	3.9	3.9	4.1	P3.9
Quits												
1969	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
1970	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976	1.6	1.7	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.6	1.7
1977	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.9	2.0
1978	1.9	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2
1979	2.3	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.0	P1.9
Layoffs												
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973	.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975	2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976	1.2	1.0	1.2	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.3	1.2
1977	1.3	1.5	1.1	1.1	1.1	1.1	1.3	1.2	1.1	1.1	1.0	1.0
1978	.9	1.0	1.0	1.0	1.0	1.0	.8	1.0	.8	.9	.9	.9
1979	.9	.9	.9	1.1	1.0	1.1	1.2	1.5	1.2	1.1	1.3	P1.2

p=preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P
ALABAMA:												
Birmingham	2.6	(*)	1.5	(*)	0.8	(*)	3.6	(*)	1.0	(*)	1.6	(*)
Mobile	14.8	5.6	4.4	1.8	10.2	3.8	5.5	6.8	2.2	1.5	2.4	4.8
ALASKA	8.5	12.9	7.2	3.0	.8	9.9	13.2	28.1	4.3	2.9	6.6	25.0
ARIZONA	6.4	4.1	5.7	3.7	.6	.4	4.7	4.0	3.0	2.5	.4	.5
Phoenix	6.6	4.2	6.0	3.7	.6	.4	4.8	4.0	3.0	2.5	.4	.4
ARKANSAS	5.8	3.9	4.9	3.1	.6	.6	6.0	4.7	4.0	2.7	1.0	1.1
Fort Smith	5.6	3.1	3.8	1.8	.7	.5	4.8	4.5	3.0	2.5	.2	1.0
Little Rock-North Little Rock	4.7	3.1	4.0	2.7	.5	.2	5.3	3.5	2.6	1.7	1.4	.9
Pine Bluff	4.5	3.1	3.7	2.7	.7	.2	3.7	2.2	2.5	1.4	.6	.1
COLORADO	5.1	4.1	4.4	3.6	.4	.2	4.6	4.5	3.5	2.9	.3	.8
Denver-Boulder	4.3	3.8	3.9	3.5	.3	.2	4.1	4.1	3.1	2.5	.2	.7
CONNECTICUT	3.0	2.5	2.5	2.1	.3	.2	2.8	2.3	1.5	1.2	.5	.5
Hartford	2.8	(*)	2.5	(*)	.2	(*)	2.1	(*)	1.3	(*)	.3	(*)
DELAWARE	1.9	6.6	1.1	1.0	.3	5.5	2.4	7.2	.8	.7	.8	6.0
Wilmington	1.7	6.7	.9	.7	.3	5.9	2.4	7.4	.6	.6	.9	6.4
FLORIDA	5.6	6.8	4.2	5.3	1.3	1.3	4.2	5.6	2.7	3.7	.6	.8
Fort Lauderdale-Hollywood	7.8	6.6	7.2	6.2	.5	.3	7.5	5.5	5.4	4.4	.7	.1
Jacksonville	3.9	3.5	3.2	2.3	.6	1.1	5.9	3.4	2.0	1.5	2.7	1.5
Miami	5.7	4.3	5.2	3.9	.5	.4	5.3	4.4	3.6	3.0	.7	.5
Orlando	5.7	5.3	4.7	4.2	.9	1.0	4.2	2.7	2.9	1.9	.3	.2
Pensacola	1.7	.9	1.6	.7	.1	.1	2.3	1.6	1.2	1.0	.5	.3
Tampa-St. Petersburg	6.9	4.3	5.9	3.7	.8	.6	6.1	4.9	4.3	3.0	.6	.9
West Palm Beach-Boca Raton	9.5	10.1	7.1	8.2	2.3	1.8	5.6	5.1	4.3	4.0	(¹)	.3
GEORGIA	4.7	2.9	3.9	2.4	.4	.3	4.4	3.5	2.9	2.0	.6	.7
Atlanta ²	4.3	2.3	3.7	2.0	.4	.2	3.7	3.0	2.0	1.7	.8	.6
HAWAII ³	3.2	3.7	2.1	1.8	.9	.6	3.1	2.3	1.1	1.0	.8	.9
IDAHO ⁴	3.9	2.4	3.2	1.6	.4	.6	5.6	7.0	2.7	1.4	1.5	2.6
ILLINOIS:												
Chicago SMSA	3.5	2.7	2.9	2.1	.3	.3	3.6	3.5	1.8	1.5	.7	1.0
INDIANA ⁵	2.7	1.8	1.6	1.0	.6	.4	3.1	4.3	1.1	.8	1.2	2.8
Indianapolis ⁶	3.2	1.9	1.9	1.1	.6	.3	2.8	3.2	.9	1.0	.7	1.4
IOWA	3.2	2.5	2.5	1.7	.3	.5	3.9	3.4	1.9	1.1	1.3	1.7
Cedar Rapids	2.2	2.1	1.5	.9	.3	.7	2.9	2.4	1.4	.8	.6	1.2
Des Moines	3.8	2.7	2.4	1.4	.3	.1	3.1	3.2	1.7	1.3	.1	.3
KANSAS	6.7	4.1	4.5	3.3	2.0	.6	4.8	3.7	3.2	2.2	.6	.7
Topeka	3.5	4.3	2.2	2.2	1.3	2.0	3.6	2.6	1.1	1.3	1.9	.9
Wichita	5.9	4.7	5.2	4.1	.4	.4	4.6	3.4	3.2	2.3	.1	.1
KENTUCKY	3.7	3.2	2.5	1.9	.8	.8	3.8	3.3	1.7	1.3	1.1	1.1
Louisville	2.2	1.6	1.0	.7	.5	.2	2.2	2.2	.8	.6	.4	.6
LOUISIANA:												
New Orleans	4.8	4.0	4.3	3.6	.4	.4	5.2	4.9	2.7	2.9	1.1	1.0
MAINE	4.9	4.1	4.1	3.0	.6	.9	5.8	5.2	3.2	2.2	1.8	2.2
Portland	4.8	2.7	4.0	2.2	.4	.2	4.9	3.3	3.0	2.1	1.2	.2
MARYLAND	3.0	2.2	2.1	1.4	.7	.6	3.3	3.0	1.2	1.0	1.2	1.4
Baltimore	2.7	1.9	1.8	1.1	.7	.6	2.8	2.7	1.0	.8	1.0	1.3
MASSACHUSETTS	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Boston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MICHIGAN	2.8	1.4	1.1	.6	1.2	.6	3.6	2.5	.9	.5	1.8	1.6
Detroit	1.9	1.1	.8	.4	.9	.5	2.8	2.0	.7	.4	1.6	1.3
Flint	2.2	.6	.8	(¹)	1.1	.5	2.6	.4	.4	.1	1.0	.1
Grand Rapids	3.3	2.2	1.7	1.0	.5	.8	2.7	3.7	1.2	.9	.8	2.2
Lansing-East Lansing .....	.7	.3	.3	.1	.4	.1	1.0	1.8	.2	1.1	.6	.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P	Oct. 1979	Nov. 1979 ^P
MINNESOTA	4.8	3.2	4.0	2.6	0.5	0.4	5.3	4.0	3.0	2.0	1.6	1.3
Minneapolis—St. Paul	4.3	2.8	3.7	2.3	.2	.3	3.9	3.4	2.6	1.8	.7	1.0
MISSISSIPPI:												
Jackson	5.7	3.2	4.9	2.3	.6	.7	4.1	3.3	2.6	1.9	.7	.9
MISSOURI	3.0	2.5	2.3	1.8	.5	.5	3.5	3.3	1.7	1.3	1.1	1.3
Kansas City	5.3	2.4	2.6	1.9	2.6	.4	3.4	2.8	1.9	1.3	.7	.8
St. Louis	2.1	1.9	1.5	1.3	.5	.5	2.8	2.5	.9	.7	1.2	1.2
MONTANA	4.4	(*)	4.0	(*)	.3	(*)	2.8	(*)	1.7	(*)	.7	(*)
NEBRASKA	4.5	3.0	4.2	2.6	.2	.2	4.3	3.8	3.0	2.3	.5	.9
NEVADA	8.6	4.8	8.2	4.6	.2	.1	7.9	5.4	5.5	3.5	.7	.5
NEW HAMPSHIRE	5.9	4.2	5.2	3.8	.5	.2	5.3	4.3	4.0	2.9	.6	.7
NEW JERSEY:												
Camden ⁷	3.7	1.9	3.0	1.4	.4	.3	3.2	3.0	1.2	.8	.9	1.5
Hackensack	4.3	3.4	3.8	2.7	.4	.6	4.3	3.6	2.1	1.5	1.2	1.1
Jersey City	3.4	2.7	2.7	1.8	.5	.8	3.0	4.2	1.4	1.3	.8	2.0
Newark	3.5	2.8	3.0	2.2	.4	.4	3.4	3.4	1.6	1.2	.8	1.4
New Brunswick—Perth Amboy—Sayreville	4.0	2.3	3.3	1.9	.6	.3	3.9	3.9	1.9	1.3	1.0	1.1
Paterson—Clifton—Passaic	4.0	3.9	3.1	2.5	.8	1.3	4.2	4.8	2.0	1.3	1.5	2.8
Trenton	2.5	2.2	1.7	1.3	.5	.6	3.8	3.7	1.0	.7	1.9	2.4
NEW YORK	3.8	2.8	2.5	1.8	1.1	.9	3.9	3.9	1.4	1.1	1.7	2.1
Albany—Schenectady—Troy	2.5	2.1	1.5	1.1	.3	.6	4.1	2.5	.9	.8	2.0	1.0
Binghamton	2.2	1.4	1.6	1.1	.2	.2	2.5	4.0	1.4	1.2	.3	2.1
Buffalo	2.6	2.0	1.4	.9	.9	.8	4.2	2.7	.6	.5	2.8	1.7
Elmira	2.7	2.2	1.9	1.5	.4	.3	3.1	3.2	.9	.8	1.3	1.6
Monroe County ⁸	1.9	1.3	1.5	1.0	.3	.1	1.9	1.7	1.0	.6	.4	.7
Nassau—Suffolk ⁹	5.6	4.0	4.6	3.3	.9	.6	4.4	4.1	2.8	2.1	.6	1.1
New York and Nassau—Suffolk	4.8	3.6	3.3	2.4	1.4	1.1	4.3	4.5	1.7	1.4	1.8	2.4
New York SMSA ⁹	4.5	3.5	2.9	2.1	1.5	1.3	4.3	4.6	1.4	1.2	2.1	2.7
New York City ¹⁰	4.8	3.7	3.0	2.2	1.7	1.4	4.6	5.0	1.4	1.3	2.4	3.0
Rochester	2.6	1.6	1.9	1.2	.5	.2	2.9	2.4	1.5	.8	.9	1.1
Syracuse	2.5	1.9	1.5	1.3	.8	.3	2.8	3.1	1.0	.8	1.0	1.7
Utica—Rome	2.7	1.6	2.0	1.1	.5	.3	2.6	2.5	1.3	.8	.8	1.2
Westchester County ¹⁰	2.8	2.5	2.4	1.5	.3	.6	2.9	2.1	1.4	.9	.8	.6
NORTH CAROLINA	4.7	3.3	4.0	2.8	.4	.3	4.5	3.8	3.0	2.2	.5	.8
Charlotte—Gastonia	6.3	4.6	5.4	4.0	.6	.4	5.9	4.5	4.4	3.2	.3	.3
Greensboro—Winston-Salem—High Point	4.5	3.2	4.0	2.7	.2	.2	4.0	2.0	2.8	.6	.3	.4
NORTH DAKOTA	11.9	4.9	8.0	4.3	3.6	.5	5.7	12.1	4.1	4.2	.9	7.3
Fargo—Moorhead	12.2	3.6	6.2	3.0	5.8	.5	5.1	11.5	3.8	2.5	.4	8.2
OHIO	2.6	1.8	1.5	1.0	(*)	(*)	3.4	3.2	.9	.6	1.7	1.9
Akron	2.0	1.0	1.3	.5	(*)	(*)	1.8	1.9	.6	.5	.7	1.1
Canton	2.6	2.6	1.8	1.4	(*)	(*)	4.3	2.9	.9	.6	2.2	1.5
Cincinnati	2.4	2.3	1.8	1.4	(*)	(*)	2.7	2.5	.9	.7	1.1	.8
Cleveland	2.8	1.6	1.8	1.2	(*)	(*)	3.4	2.7	1.0	.8	1.4	1.3
Columbus	2.5	2.4	1.7	1.6	(*)	(*)	2.5	2.8	1.1	.8	.8	1.4
Dayton	2.1	1.3	1.5	1.1	(*)	(*)	2.1	2.9	.8	.6	.6	1.6
Toledo	1.7	1.4	.8	.7	(*)	(*)	2.7	2.4	.7	.5	1.1	1.4
Youngstown—Warren	3.6	1.5	1.0	.4	(*)	(*)	2.9	3.5	.6	.3	1.0	2.4
OKLAHOMA	8.5	5.7	7.5	4.7	.6	.7	6.6	5.4	4.8	3.6	.6	.8
Oklahoma City	10.5	5.9	9.5	5.3	.4	.4	6.6	5.7	5.3	4.2	.2	.5
Tulsa ¹¹	7.3	5.1	6.8	4.7	.3	.2	6.0	5.1	4.0	3.1	.4	.6
OREGON ⁵	4.3	2.6	3.6	2.0	.6	.4	4.6	4.6	2.3	1.7	1.4	2.1
Eugene—Springfield ⁵	2.7	1.5	2.1	1.1	.4	.3	3.9	3.6	1.6	1.0	1.4	1.8
Portland ⁵	4.8	3.4	4.2	2.6	.4	.8	4.9	4.5	2.5	1.8	1.2	2.0
PENNSYLVANIA:	2.9	2.2	1.9	1.3	.8	.8	3.1	2.9	1.1	.9	1.3	1.4
Allentown—Bethlehem—Easton	2.9	2.0	1.7	1.3	1.0	.5	2.6	2.7	1.0	.7	1.2	1.7
Alltoona	2.0	2.0	1.6	.6	.3	1.3	2.4	2.6	.8	.7	1.0	1.5
Erie	2.6	1.7	1.8	1.0	.4	.3	3.2	2.7	1.1	.7	1.1	1.4
Harrisburg	3.1	2.0	2.4	1.4	.5	.4	4.1	2.4	1.5	1.1	1.9	.8
Johnstown	2.8	2.4	1.2	.4	1.6	2.0	2.9	2.1	.6	.5	2.0	1.4
Lancaster	3.2	2.9	2.8	2.4	.3	.3	3.3	3.0	2.0	1.7	.7	.8

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Oct. 1979	Nov. 1979 ^p	Oct. 1979	Nov. 1979 ^p	Oct. 1979	Nov. 1979 ^p	Oct. 1979	Nov. 1979 ^p	Oct. 1979	Nov. 1979 ^p	Oct. 1979	Nov. 1979 ^p
PENNSYLVANIA—Continued												
Northeast Pennsylvania	4.6	2.8	1.8	1.4	2.5	1.2	4.8	4.1	1.3	1.1	2.9	2.4
Philadelphia SMSA	3.0	2.2	2.1	1.6	.6	.5	3.1	2.9	1.2	1.0	1.2	1.2
Pittsburgh	2.2	2.1	1.0	.7	.9	1.2	3.0	2.2	.6	.4	1.7	1.3
Reading ¹²	3.5	2.3	3.0	1.6	.4	.6	3.1	3.0	1.6	1.2	1.0	1.3
Scranton	4.6	3.1	1.9	1.5	2.5	1.5	3.5	2.6	1.3	1.0	1.8	1.2
Wilkes-Barre—Hazleton ¹²	4.3	2.6	1.5	1.2	2.4	1.1	4.2	4.6	1.1	.9	2.5	3.0
Williamsport	1.3	1.0	.7	.5	.5	.5	2.1	2.0	.4	.3	1.4	1.4
York	4.0	2.8	3.3	2.2	.6	.5	3.8	3.6	2.2	1.8	.8	1.3
RHODE ISLAND												
Providence—Warwick—Pawtucket	5.8	3.8	4.9	3.1	.6	.4	5.7	6.4	3.3	2.7	1.2	2.6
.....	5.9	3.8	4.9	3.1	.6	.4	5.8	6.5	3.5	2.7	1.2	2.8
SOUTH CAROLINA												
Charleston—North Charleston	4.3	2.9	3.5	2.5	.3	.2	4.1	3.2	2.6	1.9	.4	.5
Columbia	4.2	3.2	3.4	2.8	.7	.3	4.2	4.4	2.1	1.8	.5	1.4
Greenville—Spartanburg	4.3	2.7	4.1	2.5	.1	.1	4.1	5.1	2.7	1.8	.3	2.5
.....	5.0	3.7	4.5	3.4	.2	.1	4.8	4.0	3.1	2.6	.5	.5
SOUTH DAKOTA												
Sioux Falls	4.9	3.8	4.4	3.2	.2	.2	4.2	4.0	3.2	2.6	.3	.8
.....	4.5	3.3	3.9	2.8	.6	.4	3.5	5.4	2.6	2.0	.1	2.7
TENNESSEE:												
Memphis	3.1	1.8	2.5	1.2	.3	.5	3.1	3.4	1.5	1.0	.7	1.6
TEXAS:												
Dallas—Fort Worth	5.8	4.5	5.3	4.2	.3	.2	5.0	4.4	3.7	3.1	.2	.4
Houston	4.4	3.8	4.1	3.5	.2	.1	4.0	3.5	2.9	2.4	.2	.2
San Antonio	6.0	5.5	5.5	5.0	.4	.2	4.9	4.3	3.9	3.1	.2	.3
UTAH ⁴												
Salt Lake City—Ogden ⁴	6.2	4.8	5.8	4.4	.2	.2	5.5	4.0	3.7	2.6	.7	.5
.....	6.3	5.0	6.1	4.7	.1	.1	5.1	4.1	3.7	2.7	.5	.4
VERMONT												
Burlington	3.9	2.8	3.2	2.0	.6	.7	4.2	4.0	2.0	1.5	1.4	1.8
Springfield	2.8	1.5	2.6	1.3	.1	.1	2.4	1.6	1.0	.8	.9	.6
.....	4.1	2.4	3.2	1.6	.9	.7	3.3	3.6	1.7	1.1	1.0	1.8
VIRGINIA												
Richmond	3.8	2.7	3.2	2.1	.3	.5	3.9	3.2	2.0	1.4	.9	1.0
.....	2.7	2.1	2.1	1.5	.1	.2	2.1	1.6	.9	.7	.3	.3
WASHINGTON:												
Seattle—Everett ¹³	4.2	2.6	3.4	2.2	.7	.3	3.9	3.7	1.8	1.3	.6	1.5
WISCONSIN												
Milwaukee	3.1	2.2	2.2	1.4	.5	.4	3.9	3.6	1.5	1.0	1.6	1.9
.....	3.1	2.2	2.3	1.4	.4	.3	3.6	3.0	1.4	.9	1.2	1.2
WYOMING												
.....	11.1	4.8	8.3	3.9	2.7	.8	11.0	10.9	5.6	5.6	3.5	4.6

¹ Less than 0.05.

² Excludes agricultural chemicals, and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Excludes canning and preserving.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

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

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rate for transportation equipment.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ Excludes canning and preserving, printing and publishing.

^p preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
ALABAMA	1,603.9	1,647.5	1,631.8	96.7	114.0	114.1	6.0	6.9	7.0
Birmingham	375.8	385.3	384.8	20.7	24.3	24.3	5.5	6.3	6.3
Huntsville	133.9	139.7	138.7	8.1	9.0	9.4	6.1	6.4	6.8
Mobile	179.4	183.2	180.8	11.7	13.1	12.3	6.5	7.2	6.8
Montgomery	116.2	121.1	120.0	6.0	6.8	6.3	5.2	5.6	5.2
Tuscaloosa	51.3	52.3	51.9	3.0	2.8	2.9	5.8	5.4	5.6
ALASKA	171.3	181.0	178.5	19.5	16.5	17.8	11.4	9.1	10.0
ARIZONA	1,040.4	1,077.8	1,080.1	55.7	51.8	52.6	5.4	4.8	4.9
Phoenix	630.2	655.2	656.7	28.4	27.4	28.1	4.5	4.2	4.3
Tucson	186.1	194.1	195.4	8.3	7.6	7.4	4.5	3.9	3.8
ARKANSAS	513.9	963.2	934.1	68.1	66.3	66.2	7.5	6.9	7.1
Fayetteville-Springdale	72.9	75.4	74.8	4.2	3.5	4.0	5.7	4.7	5.4
Fort Smith ¹	84.1	83.2	82.7	7.5	7.1	6.7	8.9	8.6	8.1
Little Rock-North Little Rock	177.2	183.6	182.6	10.4	8.4	9.1	5.9	4.6	5.0
Pine Bluff	36.2	37.7	36.2	2.7	2.2	1.9	7.4	5.9	5.4
CALIFORNIA²	10,761.7	11,049.6	11,153.7	677.4	629.8	672.2	6.3	5.7	6.0
Anaheim-Santa Ana-Garden Grove	1,023.7	1,086.7	1,096.0	42.3	40.8	42.8	4.1	3.8	3.9
Bakersfield	169.0	175.9	176.1	15.8	17.5	16.0	9.4	10.0	9.1
Fresno	251.4	254.1	266.1	21.5	20.7	23.1	8.5	8.1	8.7
Los Angeles-Long Beach ²	3,579.0	3,565.0	3,604.0	198.0	165.0	164.0	5.5	4.6	4.6
Modesto	127.0	133.9	135.5	14.3	13.4	15.1	11.2	10.0	11.1
Oxnard-Simi Valley-Ventura	209.5	216.3	216.4	16.6	16.8	17.8	7.9	7.8	8.2
Riverside-San Bernardino-Ontario	559.2	579.8	584.6	35.6	36.9	38.4	6.4	6.4	6.6
Sacramento	445.0	468.2	471.3	33.3	31.3	34.5	7.5	6.7	7.3
Salinas-Seaside-Monterey	122.6	125.2	127.0	10.7	9.8	12.7	8.8	7.8	10.0
San Diego	704.0	734.8	741.1	40.8	40.5	44.2	5.8	5.5	6.0
San Francisco-Oakland	1,582.3	1,615.4	1,627.0	87.1	81.6	89.5	5.5	5.1	5.5
San Jose	663.7	703.7	709.8	34.5	32.6	36.8	5.2	4.6	5.2
Santa Barbara-Santa Maria-Lompoc	137.6	141.9	142.1	8.9	8.3	9.3	6.4	5.9	6.5
Santa Rosa	118.7	123.8	124.3	7.9	7.7	9.0	6.7	6.2	7.2
Stockton	155.5	160.2	162.7	17.5	15.8	18.7	11.3	9.8	11.5
Vallejo-Fairfield-Napa	118.3	122.9	122.3	7.5	8.2	8.4	6.3	6.7	6.8
COLORADO	1,305.9	1,395.5	1,392.1	71.5	63.2	65.8	5.5	4.5	4.7
Denver-Boulder	775.2	826.3	827.9	39.5	33.5	36.9	5.1	4.1	4.5
CONNECTICUT	1,540.3	1,575.3	1,584.1	66.1	74.9	75.5	4.3	4.8	4.8
Bridgeport	188.5	191.6	191.7	8.4	9.8	9.0	4.5	5.1	4.7
Hartford	369.6	378.1	383.3	14.8	15.3	17.6	4.0	4.0	4.6
New Britain	71.7	73.3	74.1	3.2	3.7	3.5	4.5	5.0	4.8
New Haven-West Haven	199.1	204.1	203.5	8.5	10.6	9.7	4.3	5.2	4.8
Stamford	119.2	120.2	121.0	4.3	4.2	4.4	3.6	3.5	3.6
Waterbury	108.6	108.2	108.9	5.2	5.6	6.2	4.8	5.2	5.7
DELAWARE	275.1	278.5	278.8	19.7	24.6	20.4	7.2	8.8	7.3
Wilmington ¹	242.5	245.3	245.9	15.8	21.8	16.3	6.5	8.9	6.6
DISTRICT OF COLUMBIA	328.9	325.4	327.8	24.3	20.4	19.5	7.4	6.3	6.0
Washington SMSA ¹	1,572.7	1,603.8	1,610.2	66.7	67.6	64.5	4.2	4.2	4.0
FLORIDA²	3,689.9	3,737.0	3,743.7	234.9	218.7	193.3	6.4	5.9	5.2
Fort Lauderdale-Hollywood	375.6	380.9	384.5	22.3	19.9	17.1	5.9	5.2	4.4
Jacksonville	296.6	302.0	299.7	17.0	16.8	15.0	5.7	5.6	5.0
Miami	683.2	696.0	696.0	45.5	38.8	34.7	6.7	5.6	5.0
Orlando	293.3	304.5	306.4	17.3	16.7	14.2	5.9	5.5	4.6
Pensacola	108.1	109.3	109.1	6.9	6.1	6.0	6.4	5.6	5.5
Tampa-St. Petersburg	558.7	566.0	564.4	33.0	30.2	27.5	5.9	5.3	4.9
West Palm Beach-Boca Raton	218.3	215.8	219.4	13.9	12.8	10.8	6.4	5.9	4.9
GEORGIA	2,324.4	2,355.1	2,347.6	123.6	115.8	113.0	5.3	4.9	4.8
Albany	49.1	51.7	51.8	2.8	3.1	2.9	5.7	5.9	5.5
Atlanta	919.4	921.9	921.7	47.2	40.1	41.4	5.1	4.3	4.5
Augusta	124.6	126.9	127.3	6.7	6.5	6.0	5.4	5.1	4.7
Columbus ¹	85.1	88.4	87.5	5.2	5.8	5.3	6.1	6.6	6.1
Macon	102.3	100.6	100.3	6.2	5.2	4.7	6.1	5.2	4.7
Savannah	91.6	89.3	89.1	5.4	5.0	4.5	5.9	5.6	5.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
HAWAII	398.7	408.6	406.3	26.6	26.5	22.6	6.7	6.5	5.6
Honolulu	315.5	322.7	320.1	20.4	21.0	16.8	6.5	6.5	5.3
IDAHO	404.8	409.5	413.3	26.6	19.1	25.4	6.6	4.7	6.1
Boise City	92.2	87.0	88.6	4.0	3.0	4.1	4.4	3.4	4.7
ILLINOIS ²	5,370.2	5,427.9	5,497.9	307.5	297.8	340.1	5.7	5.5	6.2
Bloomington—Normal	59.8	61.3	61.4	2.4	2.1	3.1	4.1	3.4	5.0
Champaign—Urbana—Rantoul	80.7	83.0	83.0	3.9	3.1	3.7	4.8	3.7	4.4
Chicago	3,441.1	3,487.0	3,536.8	184.4	176.3	196.2	5.4	5.1	5.5
Davenport—Rock Island—Moline ¹	181.8	184.5	186.6	8.1	8.9	10.4	4.5	4.8	5.6
Decatur	59.8	59.6	60.5	3.9	6.5	7.4	6.5	10.9	12.3
Peoria	175.4	168.8	170.3	8.4	11.3	12.6	4.8	6.7	7.4
Rockford	138.1	141.0	143.2	7.0	7.5	8.9	5.1	5.3	6.2
Springfield	55.6	56.0	56.9	6.1	5.6	6.3	6.4	5.8	6.5
INDIANA	2,612.6	2,614.3	2,638.1	155.5	182.9	216.8	6.0	7.0	8.2
Anderson	61.6	60.3	62.2	4.0	6.5	9.4	6.5	10.8	15.2
Evansville ¹	143.4	139.6	139.8	9.5	8.0	8.4	6.7	5.7	6.0
Fort Wayne	189.1	190.8	193.7	9.0	10.6	14.2	4.8	5.6	7.3
Gary—Hammond—East Chicago	294.2	296.1	298.4	18.1	26.9	29.2	6.2	9.1	9.8
Indianapolis	588.2	589.4	596.6	31.5	34.3	41.3	5.3	5.8	6.9
Lafayette—West Lafayette	64.3	64.7	64.7	2.5	3.1	3.5	3.8	4.8	5.4
Muncie	57.3	57.3	57.7	3.7	4.1	5.0	6.5	7.2	8.7
South Bend	143.3	142.0	144.1	8.1	9.3	11.5	5.6	6.6	8.0
Terre Haute	82.5	82.1	82.9	4.8	4.6	5.9	5.9	5.6	7.2
IOWA	1,398.5	1,429.2	1,418.3	59.4	58.7	75.5	4.2	4.1	5.3
Cedar Rapids	85.7	89.3	89.5	3.0	3.3	4.1	3.5	3.7	4.6
Des Moines	181.2	181.8	184.0	6.9	7.5	9.3	3.8	4.1	5.0
Dubuque	44.8	45.7	46.0	2.1	2.4	3.0	4.7	5.2	6.6
Sioux City ¹	56.4	55.6	55.2	3.9	3.2	3.8	7.0	5.8	6.9
Waterloo—Cedar Falls	66.5	70.6	71.5	3.3	3.0	3.3	4.8	4.2	4.6
KANSAS	1,161.3	1,200.7	1,212.5	32.5	35.9	42.1	2.8	3.0	3.5
Topeka	96.0	97.0	98.5	3.4	4.1	4.6	3.5	4.2	4.7
Wichita	220.8	235.4	237.6	6.1	6.4	7.8	2.8	2.7	3.3
KENTUCKY	1,583.3	1,637.0	1,633.2	77.6	92.1	101.5	4.9	5.6	6.2
Lexington—Fayette	164.8	173.7	172.4	5.2	5.9	6.6	3.1	3.4	3.8
Louisville ¹	418.5	429.9	430.1	19.4	23.0	23.6	4.6	5.4	5.5
Owensboro	38.7	39.9	40.3	1.9	2.4	2.9	4.9	5.9	7.2
LOUISIANA	1,602.7	1,688.9	1,690.3	101.4	119.5	114.6	6.3	7.1	6.8
Alexandria	65.8	68.7	68.6	5.1	5.9	5.9	7.7	8.6	8.5
Baton Rouge	200.1	207.4	208.5	12.6	14.4	13.6	6.3	7.0	6.5
Lafayette	64.9	70.8	71.7	3.2	3.4	3.4	4.9	4.9	4.7
Lake Charles	64.0	66.5	67.1	4.2	4.7	4.6	6.6	7.1	6.8
Monroe	52.1	54.0	54.6	3.4	4.2	4.2	6.5	7.8	7.7
New Orleans	455.7	475.6	475.2	26.2	32.5	28.1	5.8	6.8	5.9
Shreveport	147.2	154.2	154.9	8.4	9.6	9.6	5.7	6.2	6.2
MAINE	472.5	485.8	490.3	27.5	30.5	35.1	5.8	6.3	7.2
Lewiston—Auburn	36.6	38.6	39.1	1.7	2.1	2.4	4.7	5.4	6.2
Portland	86.0	86.8	87.2	4.0	4.2	4.7	4.7	4.9	5.4
MARYLAND	2,064.2	2,117.4	2,126.5	114.5	125.6	135.3	5.5	5.9	6.4
Baltimore	1,059.8	1,069.6	1,084.3	65.5	66.5	77.5	6.2	6.2	7.2
MASSACHUSETTS ²	2,842.1	2,818.8	2,859.3	162.5	134.0	144.5	5.7	4.8	5.1
Boston	1,370.9	1,349.7	1,371.2	71.4	58.4	60.4	5.2	4.3	4.4
Brockton	83.4	80.0	80.8	4.7	4.3	4.3	5.6	5.3	5.4
Fall River ¹	79.8	77.6	78.8	5.8	5.2	5.4	7.3	6.7	6.8
Lawrence—Haverhill ¹	135.4	135.1	136.8	9.2	7.7	7.7	6.6	5.7	5.6
Lowell	112.2	119.7	118.4	6.5	6.4	5.5	5.8	5.3	4.6
New Bedford	82.9	83.4	86.0	7.0	6.2	8.0	8.4	7.5	9.3
Springfield—Chicopee—Holyoke	275.8	278.1	284.6	15.1	10.8	15.3	5.5	3.9	5.4
Worcester	198.3	158.1	200.8	9.1	8.1	8.2	4.6	4.1	4.1
MICHIGAN ²	4,284.1	4,369.4	4,339.0	288.5	345.1	369.4	6.7	7.9	8.5
Ann Arbor	140.8	N.A.	N.A.	9.9	N.A.	N.A.	7.0	N.A.	N.A.

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
MICHIGAN—Continued									
Battle Creek	82.5	N.A.	N.A.	5.2	N.A.	N.A.	6.3	N.A.	N.A.
Bay City	55.5	N.A.	N.A.	3.1	N.A.	N.A.	5.6	N.A.	N.A.
Detroit	2,046.6	N.A.	N.A.	128.9	N.A.	N.A.	6.3	N.A.	N.A.
Flint	233.1	N.A.	N.A.	16.4	N.A.	N.A.	7.0	N.A.	N.A.
Grand Rapids	295.7	N.A.	N.A.	14.2	N.A.	N.A.	4.8	N.A.	N.A.
Jackson	68.2	N.A.	N.A.	3.6	N.A.	N.A.	5.3	N.A.	N.A.
Kalamazoo—Portage	134.5	N.A.	N.A.	7.3	N.A.	N.A.	5.4	N.A.	N.A.
Lansing—East Lansing	255.2	N.A.	N.A.	12.3	N.A.	N.A.	5.3	N.A.	N.A.
Muskegon—Norton Shores—Muskegon Heights	77.4	N.A.	N.A.	6.3	N.A.	N.A.	8.1	N.A.	N.A.
Saginaw	107.3	N.A.	N.A.	5.4	N.A.	N.A.	5.0	N.A.	N.A.
MINNESOTA									
Duluth—Superior ¹	118.8	N.A.	N.A.	6.1	N.A.	N.A.	5.1	N.A.	N.A.
Minneapolis—St. Paul	1,075.7	N.A.	N.A.	32.5	N.A.	N.A.	3.0	N.A.	N.A.
MISSISSIPPI									
Jackson	145.3	978.1	972.9	66.9	57.9	60.3	6.9	5.9	6.2
		146.0	147.3	7.1	4.9	5.5	4.9	3.4	3.8
MISSOURI									
Kansas City ¹	695.1	690.2	693.2	27.3	28.6	31.0	3.9	4.2	4.5
St. Joseph	44.5	43.5	43.2	2.3	2.4	2.7	5.2	5.6	6.3
St. Louis ¹	1,104.6	1,060.9	1,091.8	55.2	59.6	64.5	5.0	5.5	5.9
Springfield	103.7	103.2	102.8	4.1	4.0	4.5	4.0	3.9	4.3
MONTANA									
Billings	361.2	361.9	360.8	23.1	18.4	22.2	6.4	5.1	6.2
Great Falls	54.4	54.5	54.2	2.7	2.1	2.4	4.9	3.9	4.4
	35.6	35.0	32.4	2.6	2.1	2.2	7.9	6.4	6.7
NEBRASKA									
Lincoln	759.9	776.8	776.4	24.2	24.7	25.8	3.2	3.2	3.8
Omaha ¹	112.5	112.7	114.1	2.8	3.4	4.0	2.5	3.0	3.5
	278.7	276.0	279.2	10.5	12.3	13.9	3.8	4.5	5.0
NEVADA									
Las Vegas	346.3	352.9	352.4	15.5	16.6	17.5	4.5	4.7	5.0
Reno	185.8	190.3	189.8	8.6	10.0	10.1	4.7	5.2	5.3
	102.0	103.9	104.5	3.1	3.5	4.2	3.0	3.4	4.1
NEW HAMPSHIRE									
Manchester	440.7	445.4	446.9	20.1	12.0	15.1	4.6	2.7	3.4
Nashua	84.7	83.8	84.8	4.3	2.3	3.0	5.0	2.7	3.6
	58.9	61.5	61.5	2.7	1.6	1.9	4.5	2.6	3.1
NEW JERSEY									
Atlantic City	3,564.7	3,547.0	3,601.0	246.2	232.4	214.9	6.9	6.6	6.0
Jersey City	86.7	98.1	98.2	9.1	8.9	8.0	10.5	9.1	8.2
Long Branch—Asbury Park	263.0	248.4	254.4	29.3	22.1	22.1	11.1	8.9	8.7
Newark	227.0	222.2	225.9	17.7	15.3	15.7	7.8	6.9	6.9
New Brunswick—Perth Amboy—Sayreville	1,004.6	981.3	952.5	61.5	63.2	53.9	6.1	6.4	5.4
Paterson—Clifton—Passaic	328.6	327.0	331.2	14.9	18.8	15.8	6.1	5.8	4.8
Trenton	227.5	219.6	220.8	18.2	18.3	17.0	8.0	8.3	7.7
Vineland—Millville—Bridgeton	165.6	162.7	164.4	7.8	7.8	7.4	4.7	4.8	4.5
	63.9	62.7	62.6	6.7	6.1	5.8	10.5	9.7	9.3
NEW MEXICO									
Albuquerque	531.5	546.5	548.6	28.7	38.2	40.6	5.4	7.0	7.4
	196.7	205.0	206.9	10.1	13.9	15.0	5.1	6.8	7.2
NEW YORK²									
Albany—Schenectady—Troy	7,572.8	8,093.6	8,131.9	527.1	561.2	566.6	6.6	6.9	7.0
Binghamton ¹	379.6	381.6	385.8	20.9	21.8	24.3	5.5	5.7	6.3
Buffalo	142.4	146.0	146.2	7.4	9.5	8.6	5.2	6.5	5.9
Elmira	587.5	598.2	606.9	37.1	44.7	53.7	6.3	7.5	8.8
Nassau—Suffolk	40.8	42.0	42.1	2.1	2.8	3.0	5.2	6.6	7.2
New York	1,280.0	1,300.5	1,313.4	68.9	72.9	78.3	5.4	5.6	6.0
New York City ²	3,602.3	3,655.0	3,654.1	267.2	277.5	247.5	7.4	7.6	6.8
Poughkeepsie	2,956.0	3,043.0	3,033.0	239.0	249.0	218.0	8.0	8.2	7.2
Rochester	106.5	108.2	109.3	4.7	4.7	5.6	4.4	4.3	5.1
Syracuse	476.2	485.3	490.4	22.6	25.9	29.6	4.6	5.3	6.0
Utica—Rome	311.6	314.0	316.4	17.4	18.8	22.1	5.6	6.0	7.0
	139.3	142.0	143.5	9.1	8.8	10.5	6.5	6.2	7.3
NORTH CAROLINA									
Asheville	2,673.0	2,686.6	2,697.2	95.5	117.6	125.4	3.6	4.4	4.6
Charlotte—Gastonia	81.9	81.0	81.0	3.4	3.0	3.3	4.2	3.7	4.1
	332.6	333.7	335.9	8.6	10.9	11.6	2.6	3.3	3.5

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
NORTH CAROLINA—Continued									
Greensboro—Winston-Salem—High Point	415.2	418.3	420.4	11.7	15.6	16.5	2.8	3.7	3.9
Raleigh—Durham	276.6	285.3	286.0	6.1	9.3	9.4	2.2	3.3	3.3
NORTH DAKOTA									
Fargo—Moorehead ¹	276.8	286.4	280.9	14.8	9.3	11.0	5.3	3.3	3.9
	70.6	N.A.	N.A.	2.8	N.A.	N.A.	3.9	N.A.	N.A.
OHIO²									
Akron	5,082.1	5,097.6	5,110.3	245.6	269.0	268.0	4.8	5.3	5.2
Canton	305.4	305.6	308.6	15.3	15.6	16.7	5.0	5.1	5.4
Cincinnati ¹	183.7	185.4	185.5	9.4	10.4	10.6	5.1	5.6	5.7
Cleveland	668.9	681.6	688.1	31.4	33.2	35.1	4.7	4.9	5.1
Columbus	952.7	943.8	952.5	39.1	42.9	44.3	4.1	4.5	4.7
Dayton	551.5	556.8	560.6	22.4	20.5	20.9	4.1	3.7	3.7
Toledo ¹	393.8	395.8	395.8	15.4	20.9	19.0	3.9	5.3	4.8
Youngstown—Warren	374.7	377.8	378.1	21.0	26.0	26.2	5.6	6.9	6.9
	240.3	239.5	243.9	14.3	14.3	16.3	5.5	6.0	6.7
OKLAHOMA									
Oklahoma City	1,275.6	1,310.5	1,325.5	46.1	45.1	46.3	3.6	3.4	3.5
Tulsa	390.3	412.2	418.7	12.4	12.3	12.2	3.2	3.0	2.9
	302.9	308.0	311.6	9.9	10.0	11.3	3.3	3.3	3.6
OREGON									
Eugene—Springfield	1,206.6	1,220.2	1,215.6	72.5	87.0	91.8	6.0	7.1	7.6
Portland ¹	126.5	125.6	124.8	8.8	11.0	10.9	6.9	8.8	8.7
Salem	589.1	585.6	586.4	28.6	31.8	32.7	4.9	5.4	5.6
	111.8	119.0	116.7	7.3	8.4	9.5	6.5	7.1	8.1
PENNSYLVANIA²									
Allentown—Bethlehem—Easton ¹	5,346.6	5,375.2	5,347.9	320.2	365.4	354.7	6.0	6.9	6.6
Altoona	299.5	302.5	305.5	15.5	19.0	20.5	5.2	6.3	6.7
Erie	57.0	59.3	58.8	4.7	5.2	5.0	8.2	8.8	8.4
Harrisburg	125.8	127.5	127.7	8.3	9.5	9.5	6.6	7.5	7.4
Johnstown	217.6	217.2	215.6	8.5	10.9	10.0	3.9	5.0	4.6
Lancaster	107.9	110.9	109.3	9.8	10.0	9.8	9.1	9.0	9.0
Northeast Pennsylvania	174.5	177.9	176.9	6.5	8.0	7.2	3.7	4.5	4.1
Philadelphia ¹	284.1	285.8	285.2	23.9	25.0	26.1	8.4	8.8	9.2
Pittsburgh	2,124.6	2,136.1	2,136.2	129.8	139.6	127.1	6.1	6.5	6.0
Reading	1,004.7	1,020.9	1,013.6	50.6	60.4	58.1	5.0	5.5	5.7
Williamsport	151.0	157.0	156.6	5.9	8.4	8.0	3.9	5.4	5.1
York	54.6	56.0	55.0	3.9	6.2	5.9	7.1	11.0	10.7
	169.6	172.4	171.1	6.7	8.9	8.5	4.0	5.2	5.0
RHODE ISLAND									
Providence—Warwick—Pawtucket ¹	440.4	454.5	460.2	27.0	23.5	29.2	6.1	5.2	6.3
	445.4	453.3	459.3	26.8	23.4	29.0	6.0	5.2	6.3
SOUTH CAROLINA									
Charleston—North Charleston	1,292.1	1,326.6	1,314.1	65.7	64.5	60.6	5.1	4.9	4.6
Columbia	152.1	156.6	155.4	8.3	7.6	6.9	5.5	4.8	4.4
Greenville—Spartanburg	173.0	177.9	177.1	6.7	6.4	6.2	3.9	3.6	3.5
	257.2	262.6	261.7	9.1	10.5	9.7	3.5	4.0	3.7
SOUTH DAKOTA									
Sioux Falls	319.6	332.4	336.2	10.8	9.3	13.3	3.4	2.8	4.0
	59.7	60.4	62.1	1.4	1.2	2.0	2.4	2.0	3.3
TENNESSEE									
Chattanooga ¹	1,953.2	2,021.9	2,002.1	112.3	125.9	120.9	5.8	6.2	6.0
Knoxville	186.6	192.8	191.8	9.7	13.0	11.9	5.2	6.7	6.2
Memphis ¹	208.5	213.4	211.2	11.5	11.4	10.1	5.5	5.3	4.8
Nashville—Davidson	376.2	390.5	389.1	19.5	23.2	21.4	5.2	5.9	5.5
	404.6	409.3	408.8	17.5	17.9	19.6	4.3	4.4	4.8
TEXAS²									
Amarillo	6,095.7	6,271.6	6,259.6	283.6	268.7	223.1	4.7	4.3	3.6
Austin	86.3	89.2	89.3	3.5	2.9	2.3	4.0	3.2	2.6
Beaumont—Port Arthur—Orange	239.7	250.5	248.5	7.9	7.7	6.3	3.3	3.1	2.5
Corpus Christi	166.9	163.8	162.7	11.1	8.9	7.2	6.7	5.4	4.4
Dallas—Fort Worth	131.4	134.4	132.1	6.9	7.3	5.5	5.2	5.4	4.2
El Paso	1,429.4	1,502.8	1,519.0	52.5	49.9	52.1	3.7	3.3	3.4
Galveston—Texas City	170.2	174.3	171.9	15.1	14.2	11.1	8.8	8.2	6.4
Houston	83.7	81.5	81.8	5.5	3.9	3.1	6.6	4.8	3.8
Lubbock	1,370.7	1,421.8	1,414.6	49.5	47.2	35.8	3.6	3.3	2.5
San Antonio	105.4	103.8	105.0	4.1	3.2	2.6	3.9	3.1	2.4
Waco	408.3	415.9	413.0	24.9	23.4	17.6	6.1	5.6	4.3
Wichita Falls	76.9	79.4	79.1	3.3	3.0	2.4	4.2	3.8	3.0
	59.7	60.5	60.4	2.3	2.0	1.5	3.9	3.2	2.5

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P	DEC. 1978	NOV. 1979	DEC. 1979P
UTAH	556.7	580.6	581.4	22.8	27.0	28.8	4.1	4.7	4.9
Salt Lake City—Ogden	369.8	384.8	388.4	14.7	17.5	19.0	4.0	4.6	4.9
VERMONT	240.1	240.1	240.6	13.2	12.0	13.1	5.5	5.0	5.5
VIRGINIA	2,469.0	2,484.4	2,496.9	128.9	117.6	117.5	5.2	4.7	4.7
Lynchburg	73.8	77.7	78.2	3.1	3.5	4.1	4.2	4.5	5.3
Newport News—Hampton	154.9	161.1	162.5	9.9	8.9	8.7	6.4	5.5	5.3
Norfolk—Virginia Beach—Portsmouth ¹	321.1	323.5	325.9	18.8	18.0	17.5	5.9	5.6	5.4
Petersburg—Colonial Heights—Hopewell	60.9	57.6	58.1	3.9	2.9	2.9	6.3	5.0	5.0
Richmond	321.9	324.9	328.5	10.4	10.2	9.9	3.2	3.1	3.0
Roanoke	110.5	109.6	110.3	5.1	4.7	4.8	4.6	4.3	4.4
WASHINGTON	1,798.2	1,861.3	1,869.9	115.6	113.0	133.7	6.4	6.1	7.1
Seattle—Everett	790.6	836.1	843.0	39.4	40.6	46.1	5.0	4.9	5.5
Spokane	144.9	147.7	149.3	9.1	9.5	11.0	6.3	6.5	7.4
Tacoma	168.2	171.4	171.6	11.0	12.2	13.6	6.6	7.1	7.9
WEST VIRGINIA	725.6	766.1	774.2	44.2	52.0	61.6	6.1	6.8	8.0
Charleston	119.0	127.7	130.2	4.2	5.4	6.5	3.5	4.2	5.0
Huntington—Ashland ¹	119.4	122.7	124.1	5.9	7.3	8.5	5.0	6.0	6.8
Parkersburg—Marietta ¹	68.9	71.2	71.8	3.2	3.7	4.4	4.6	5.2	6.1
Wheeling ¹	81.4	80.0	80.7	4.5	5.2	5.7	5.5	6.5	7.1
WISCONSIN	2,350.1	2,432.4	2,425.4	122.6	114.0	117.1	5.2	4.7	4.8
Appleton—Oshkosh	149.5	155.1	154.8	7.3	6.8	7.4	4.9	4.4	4.8
Eau Claire	52.1	57.3	56.7	3.7	5.6	4.1	7.2	5.8	7.3
Green Bay	89.2	90.4	90.0	4.6	4.4	4.4	5.1	4.8	4.8
Kenosha	63.1	63.0	62.8	5.1	2.6	2.8	8.1	4.2	4.5
La Crosse	46.1	46.7	46.8	2.4	1.8	2.2	5.2	3.9	4.7
Madison	176.1	187.0	186.0	7.1	6.4	6.6	4.0	3.4	3.6
Milwaukee	731.8	752.3	754.6	28.1	28.9	28.3	3.8	3.8	3.8
Racine	90.1	91.6	91.1	4.9	4.4	4.0	5.5	4.8	4.4
WYOMING	218.1	230.0	225.7	7.8	6.9	7.8	3.6	3.0	3.4

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.)

NOTE: Estimates for 1978 have been benchmarked to 1978 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1979 are pro-

visional and will be revised when new benchmark information becomes available. Data refer to place of residence.

p=preliminary.

N.A.=not available.

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

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED

Revised Seasonally Adjusted Labor Force Series

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL LABOR FORCE												
IN THOUSANDS												
1975.....	94,252	93,893	94,253	94,470	94,985	94,604	95,039	95,170	95,184	95,200	95,138	95,305
1976.....	95,780	95,828	96,021	96,546	96,682	96,642	97,346	97,491	97,287	97,397	97,912	98,004
1977.....	97,821	98,362	98,682	98,908	99,283	99,604	99,479	99,896	99,943	100,270	100,991	100,887
1978.....	101,239	101,133	101,403	101,937	102,355	102,556	102,772	102,853	103,067	103,311	103,727	103,923
1979.....	104,155	104,473	104,595	104,280	104,476	104,552	105,175	105,218	105,586	105,688	105,744	106,088
CIVILIAN LABOR FORCE												
1975.....	92,059	91,695	92,055	92,275	92,804	92,426	92,853	92,985	93,014	93,036	92,983	93,148
1976.....	93,640	93,682	93,874	94,402	94,540	94,505	95,206	95,344	95,142	95,250	95,763	95,858
1977.....	95,688	96,225	96,544	96,776	97,155	97,475	97,344	97,759	97,812	98,136	98,859	98,758
1978.....	99,118	99,009	99,281	99,819	100,242	100,458	100,656	100,731	100,944	101,189	101,610	101,815
1979.....	102,061	102,379	102,505	102,198	102,398	102,476	103,093	103,128	103,494	103,595	103,652	103,999
CIVILIAN LABOR FORCE - MALES												
1975.....	55,411	55,320	55,412	55,506	55,779	55,531	55,792	55,777	55,833	55,706	55,716	55,632
1976.....	55,852	55,861	55,927	56,295	56,282	56,169	56,488	56,561	56,564	56,648	56,801	56,855
1977.....	56,728	57,004	57,039	57,106	57,294	57,507	57,433	57,601	57,415	57,870	58,076	58,102
1978.....	58,138	58,080	58,185	58,298	58,453	58,530	58,523	58,612	58,578	58,790	59,040	59,122
1979.....	59,323	59,434	59,421	59,293	59,313	59,370	59,597	59,491	59,812	59,727	59,704	59,823
CIVILIAN LABOR FORCE - FEMALE												
1975.....	36,648	36,375	36,643	36,769	37,025	36,895	37,061	37,208	37,181	37,330	37,267	37,516
1976.....	37,788	37,821	37,947	38,107	38,258	38,336	38,718	38,783	38,578	38,602	38,962	39,003
1977.....	38,960	39,221	39,505	39,670	39,861	39,968	39,911	40,158	40,397	40,266	40,783	40,656
1978.....	40,980	40,929	41,096	41,521	41,789	41,928	42,133	42,119	42,366	42,399	42,570	42,693
1979.....	42,738	42,945	43,084	42,905	43,085	43,106	43,496	43,637	43,682	43,868	43,948	44,176
CIVILIAN LABOR FORCE - BOTH SEXES 16-19 YEARS												
1975.....	8,880	8,756	8,769	8,699	8,882	8,754	8,818	8,787	8,839	8,763	8,716	8,817
1976.....	8,897	8,896	8,923	9,070	9,067	8,857	9,121	9,071	8,879	8,971	8,973	8,926
1977.....	8,948	9,098	9,162	9,189	9,181	9,416	9,282	9,428	9,240	9,347	9,455	9,307
1978.....	9,399	9,338	9,338	9,424	9,583	9,594	9,649	9,723	9,595	9,630	9,605	9,600
1979.....	9,663	9,631	9,616	9,544	9,491	9,453	9,481	9,227	9,520	9,473	9,498	9,559
CIVILIAN LABOR FORCE - MALES 16-19 YEARS												
1975.....	4,788	4,764	4,767	4,730	4,790	4,776	4,775	4,734	4,768	4,727	4,713	4,716
1976.....	4,821	4,813	4,806	4,931	4,860	4,740	4,877	4,866	4,773	4,845	4,823	4,833
1977.....	4,802	4,879	4,912	4,947	5,016	5,066	5,013	5,017	4,957	5,060	5,122	5,051
1978.....	5,072	5,026	5,034	5,025	5,040	5,093	5,097	5,140	5,082	5,146	5,086	5,063
1979.....	5,132	5,085	5,106	5,054	5,025	5,000	5,018	4,894	5,077	4,967	4,995	5,042
CIVILIAN LABOR FORCE - FEMALE 16-19 YEARS												
1975.....	4,092	3,992	4,002	3,969	4,092	3,978	4,043	4,053	4,071	4,036	4,003	4,101
1976.....	4,076	4,083	4,117	4,139	4,207	4,117	4,244	4,205	4,106	4,126	4,150	4,073
1977.....	4,146	4,219	4,250	4,242	4,165	4,350	4,269	4,411	4,283	4,287	4,333	4,256
1978.....	4,327	4,312	4,304	4,399	4,543	4,501	4,552	4,583	4,513	4,484	4,519	4,537
1979.....	4,531	4,546	4,510	4,490	4,466	4,453	4,463	4,333	4,443	4,506	4,503	4,517
CIVILIAN LABOR FORCE - BOTH SEXES 20 YEARS AND OVER												
1975.....	83,179	82,939	83,286	83,576	83,922	83,672	84,035	84,198	84,175	84,273	84,267	84,331
1976.....	84,743	84,786	84,951	85,332	85,473	85,648	86,085	86,273	86,263	86,279	86,790	86,932
1977.....	86,740	87,127	87,382	87,587	87,974	88,059	88,062	88,331	88,572	88,789	89,404	89,451
1978.....	89,719	89,671	89,943	90,395	90,659	90,864	91,007	91,008	91,349	91,559	92,005	92,215
1979.....	92,398	92,748	92,889	92,654	92,907	93,023	93,612	93,901	93,974	94,122	94,154	94,440
CIVILIAN LABOR FORCE - MALES 20 YEARS AND OVER												
1975.....	50,623	50,556	50,645	50,776	50,989	50,755	51,017	51,043	51,065	50,979	51,003	50,916
1976.....	51,031	51,048	51,121	51,364	51,422	51,429	51,611	51,695	51,791	51,803	51,978	52,002
1977.....	51,926	52,125	52,127	52,159	52,278	52,441	52,420	52,584	52,458	52,810	52,954	53,051
1978.....	53,066	53,054	53,151	53,273	53,413	53,437	53,426	53,472	53,496	53,644	53,954	54,059
1979.....	54,191	54,349	54,315	54,239	54,288	54,370	54,579	54,597	54,735	54,760	54,709	54,781
CIVILIAN LABOR FORCE - FEMALE 20 YEARS AND OVER												
1975.....	32,556	32,383	32,641	32,800	32,933	32,917	33,018	33,155	33,110	33,294	33,264	33,415
1976.....	33,712	33,738	33,830	33,968	34,051	34,219	34,474	34,578	34,472	34,476	34,812	34,930
1977.....	34,814	35,002	35,255	35,428	35,696	35,618	35,642	35,747	36,114	35,979	36,450	36,400
1978.....	36,653	36,617	36,792	37,122	37,246	37,427	37,581	37,536	37,853	37,915	38,051	38,156
1979.....	38,207	38,399	38,574	38,415	38,619	38,653	39,033	39,304	39,239	39,362	39,445	39,659
CIVILIAN LABOR FORCE - BOTH SEXES 20-24 YEARS												
1975.....	13,357	13,330	13,364	13,433	13,557	13,371	13,546	13,565	13,597	13,542	13,445	13,580
1976.....	13,643	13,691	13,714	13,926	13,957	13,915	14,063	13,972	13,954	14,091	14,193	14,208
1977.....	14,217	14,313	14,306	14,255	14,303	14,465	14,428	14,519	14,561	14,561	14,565	14,622
1978.....	14,739	14,634	14,681	14,855	14,842	14,972	14,956	14,990	15,027	15,103	15,052	15,135
1979.....	15,165	15,258	15,260	15,253	15,222	15,218	15,296	15,264	15,362	15,345	15,266	15,342
CIVILIAN LABOR FORCE - MALES 20-24 YEARS												
1975.....	7,331	7,329	7,351	7,383	7,448	7,334	7,443	7,460	7,510	7,446	7,386	7,428
1976.....	7,467	7,537	7,522	7,645	7,678	7,617	7,696	7,657	7,699	7,776	7,826	7,858
1977.....	7,844	7,858	7,838	7,781	7,769	7,869	7,880	7,973	7,900	7,923	7,905	7,925
1978.....	7,971	7,921	7,997	8,030	8,046	8,066	8,021	8,108	8,066	8,123	8,168	8,151
1979.....	8,210	8,232	8,197	8,252	8,193	8,212	8,233	8,222	8,324	8,320	8,225	8,280

HOUSEHOLD DATA SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - FEMALES 20-24 YEARS												
IN THOUSANDS												
1975.....	6,026	6,001	6,013	6,050	6,109	6,037	6,103	6,105	6,087	6,096	6,059	6,152
1976.....	6,176	6,154	6,192	6,281	6,279	6,298	6,367	6,315	6,255	6,315	6,367	6,350
1977.....	6,373	6,455	6,468	6,474	6,534	6,596	6,548	6,546	6,661	6,638	6,660	6,697
1978.....	6,768	6,713	6,684	6,825	6,796	6,906	6,935	6,882	6,961	6,980	6,884	6,984
1979.....	6,955	7,026	7,063	7,001	7,029	7,006	7,063	7,042	7,038	7,025	7,041	7,062
CIVILIAN LABOR FORCE - BOTH SEXES 25 YEARS AND OVER												
1975.....	69,805	69,555	69,853	70,122	70,361	70,350	70,584	70,600	70,702	70,891	70,762	70,690
1976.....	71,076	71,050	71,173	71,392	71,521	71,775	72,096	72,251	72,410	72,330	72,531	72,658
1977.....	72,513	72,787	73,027	73,311	73,682	73,641	73,692	73,744	74,071	74,341	74,773	74,777
1978.....	74,981	75,025	75,220	75,520	75,832	75,939	76,081	75,953	76,369	76,553	76,894	77,039
1979.....	77,240	77,486	77,600	77,367	77,708	77,869	78,331	78,591	78,652	78,868	78,818	79,070
CIVILIAN LABOR FORCE - MALES 25 YEARS AND OVER												
1975.....	43,244	43,168	43,236	43,372	43,524	43,460	43,611	43,603	43,682	43,660	43,579	43,461
1976.....	43,527	43,461	43,551	43,696	43,741	43,841	43,926	44,047	44,203	44,118	44,117	44,114
1977.....	44,071	44,228	44,260	44,348	44,511	44,591	44,542	44,611	44,634	44,946	45,013	45,093
1978.....	45,101	45,107	45,139	45,208	45,379	45,379	45,398	45,369	45,492	45,568	45,750	45,874
1979.....	45,998	46,103	46,115	45,943	46,109	46,164	46,337	46,393	46,464	46,489	46,438	46,471
CIVILIAN LABOR FORCE - FEMALES 25 YEARS AND OVER												
1975.....	26,561	26,387	26,617	26,750	26,837	26,890	26,973	26,997	27,020	27,231	27,183	27,229
1976.....	27,549	27,589	27,622	27,696	27,780	27,934	28,170	28,204	28,207	28,212	28,414	28,544
1977.....	28,442	28,559	28,767	28,963	29,171	29,050	29,150	29,133	29,437	29,395	29,760	29,684
1978.....	29,880	29,918	30,081	30,312	30,453	30,560	30,683	30,584	30,877	30,985	31,144	31,165
1979.....	31,242	31,383	31,485	31,424	31,599	31,705	31,994	32,198	32,188	32,379	32,380	32,599
CIVILIAN LABOR FORCE - BOTH SEXES 25-54 YEARS												
1975.....	55,636	55,396	55,678	55,886	56,043	56,201	56,298	56,528	56,545	56,824	56,652	56,649
1976.....	56,884	56,956	57,099	57,352	57,424	57,684	57,927	58,048	58,138	58,178	58,299	58,472
1977.....	58,366	58,604	58,871	59,037	59,231	59,414	59,439	59,560	59,685	59,880	60,203	60,271
1978.....	60,491	60,586	60,794	60,959	61,160	61,234	61,420	61,422	61,769	61,995	62,143	62,316
1979.....	62,413	62,651	62,808	62,698	62,851	63,114	63,553	63,779	63,855	64,000	64,025	64,336
CIVILIAN LABOR FORCE - MALES 25-54 YEARS												
1975.....	34,272	34,178	34,315	34,388	34,567	34,612	34,680	34,746	34,786	34,888	34,807	34,720
1976.....	34,726	34,734	34,824	34,939	34,980	35,043	35,181	35,192	35,314	35,330	35,335	35,335
1977.....	35,272	35,393	35,448	35,524	35,595	35,714	35,680	35,748	35,764	35,966	36,023	36,094
1978.....	36,182	36,150	36,207	36,224	36,345	36,289	36,376	36,362	36,531	36,540	36,685	36,787
1979.....	36,867	36,966	37,047	36,938	37,030	37,122	37,272	37,261	37,379	37,422	37,425	37,488
CIVILIAN LABOR FORCE - FEMALES 25-54 YEARS												
1975.....	21,364	21,218	21,363	21,498	21,476	21,589	21,618	21,782	21,759	21,936	21,845	21,929
1976.....	22,158	22,222	22,275	22,413	22,444	22,641	22,746	22,856	22,824	22,848	22,964	23,137
1977.....	23,094	23,211	23,423	23,513	23,636	23,700	23,759	23,812	23,921	23,914	24,180	24,177
1978.....	24,309	24,436	24,587	24,735	24,815	24,945	25,044	25,060	25,238	25,455	25,458	25,529
1979.....	25,546	25,685	25,761	25,760	25,821	25,992	26,281	26,518	26,476	26,578	26,600	26,848
CIVILIAN LABOR FORCE - WHITE WORKERS												
1975.....	81,617	81,290	81,627	81,827	82,281	81,983	82,369	82,430	82,412	82,521	82,335	82,487
1976.....	82,859	82,924	83,037	83,463	83,632	83,711	84,289	84,447	84,279	84,437	84,653	84,762
1977.....	84,612	85,139	85,413	85,654	85,910	86,208	86,035	86,366	86,456	86,831	87,262	87,051
1978.....	87,339	87,323	87,417	87,977	88,228	88,541	88,608	88,751	88,859	89,179	89,426	89,668
1979.....	89,973	90,250	90,260	89,996	90,120	90,215	90,659	90,759	91,082	91,147	91,242	91,579
CIVILIAN LABOR FORCE - WHITE WORKERS 16-19 YEARS												
1975.....	7,969	7,805	7,845	7,768	7,887	7,803	7,909	7,902	7,904	7,824	7,807	7,877
1976.....	7,942	7,960	7,955	8,113	8,078	7,962	8,194	8,165	7,978	8,060	8,044	8,019
1977.....	8,050	8,230	8,271	8,316	8,273	8,392	8,260	8,413	8,257	8,361	8,439	8,278
1978.....	8,369	8,334	8,306	8,406	8,507	8,510	8,489	8,712	8,559	8,598	8,543	8,538
1979.....	8,620	8,554	8,562	8,474	8,413	8,402	8,421	8,234	8,497	8,449	8,509	8,563
CIVILIAN LABOR FORCE - WHITE MALES 16-19 YEARS												
1975.....	4,306	4,263	4,268	4,221	4,272	4,263	4,307	4,275	4,289	4,236	4,232	4,235
1976.....	4,314	4,306	4,291	4,408	4,329	4,248	4,366	4,409	4,269	4,336	4,315	4,336
1977.....	4,313	4,406	4,430	4,478	4,513	4,511	4,427	4,451	4,423	4,527	4,565	4,487
1978.....	4,509	4,482	4,482	4,462	4,491	4,534	4,473	4,642	4,545	4,608	4,537	4,522
1979.....	4,589	4,521	4,546	4,494	4,458	4,445	4,458	4,345	4,528	4,446	4,503	4,562
CIVILIAN LABOR FORCE - WHITE FEMALES 16-19 YEARS												
1975.....	3,663	3,542	3,577	3,547	3,615	3,540	3,602	3,627	3,615	3,588	3,575	3,642
1976.....	3,628	3,654	3,664	3,705	3,749	3,714	3,828	3,756	3,709	3,724	3,729	3,683
1977.....	3,737	3,824	3,841	3,838	3,760	3,881	3,833	3,962	3,834	3,834	3,874	3,791
1978.....	3,860	3,852	3,824	3,944	4,016	3,976	4,016	4,070	4,014	3,990	4,006	4,016
1979.....	4,031	4,033	4,016	3,980	3,955	3,957	3,963	3,889	3,969	4,003	4,006	4,001
CIVILIAN LABOR FORCE - WHITE WORKERS 20 YEARS AND OVER												
1975.....	73,648	73,485	73,782	74,059	74,394	74,180	74,460	74,528	74,508	74,697	74,528	74,610
1976.....	74,917	74,964	75,082	75,350	75,554	75,749	76,095	76,282	76,301	76,377	76,609	76,743
1977.....	76,562	76,909	77,142	77,338	77,637	77,816	77,775	77,953	78,199	78,470	78,823	78,773
1978.....	78,970	78,989	79,111	79,571	79,721	80,031	80,119	80,039	80,300	80,581	80,883	81,130
1979.....	81,353	81,696	81,698	81,522	81,707	81,813	82,238	82,525	82,585	82,698	82,733	83,016

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - WHITE MALES 20 YEARS AND OVER												
IN THOUSANDS												
1975.....	45,326	45,317	45,436	45,557	45,797	45,641	45,783	45,768	45,816	45,798	45,692	45,614
1976.....	45,708	45,746	45,853	46,003	46,083	46,149	46,282	46,343	46,471	46,462	46,529	46,523
1977.....	46,420	46,601	46,612	46,683	46,783	46,979	46,930	47,070	47,053	47,308	47,371	47,420
1978.....	47,375	47,421	47,465	47,580	47,666	47,788	47,736	47,773	47,725	47,844	48,094	48,202
1979.....	48,387	48,545	48,460	48,400	48,421	48,525	48,634	48,646	48,727	48,752	48,754	48,811
CIVILIAN LABOR FORCE - WHITE FEMALES 20 YEARS AND OVER												
1975.....	28,322	28,168	28,346	28,502	28,597	28,539	28,677	28,760	28,692	28,899	28,836	28,996
1976.....	29,209	29,218	29,229	29,347	29,471	29,600	29,813	29,939	29,830	29,915	30,080	30,220
1977.....	30,142	30,308	30,530	30,655	30,854	30,837	30,845	30,883	31,146	31,162	31,452	31,353
1978.....	31,595	31,568	31,646	31,991	32,055	32,243	32,383	32,266	32,575	32,737	32,789	32,928
1979.....	32,966	33,151	33,238	33,122	33,286	33,288	33,604	33,879	33,858	33,946	33,979	34,205
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS												
1975.....	10,388	10,385	10,396	10,393	10,484	10,500	10,517	10,629	10,711	10,676	10,650	10,633
1976.....	10,705	10,767	10,813	10,889	10,846	10,828	10,885	10,967	10,916	10,942	11,095	11,081
1977.....	11,043	11,119	11,115	11,085	11,182	11,320	11,259	11,396	11,365	11,405	11,561	11,700
1978.....	11,743	11,732	11,845	11,811	11,949	11,966	12,026	11,998	12,078	12,093	12,160	12,141
1979.....	12,101	12,177	12,238	12,191	12,219	12,260	12,386	12,343	12,404	12,512	12,391	12,432
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS 16-19 YEARS												
1975.....	936	972	922	949	956	943	925	918	956	950	914	941
1976.....	958	943	963	961	947	856	902	953	912	923	941	919
1977.....	907	894	890	874	878	990	985	1,036	988	1,001	1,021	1,029
1978.....	1,016	1,026	1,030	1,010	1,056	1,062	1,137	1,047	1,040	1,044	1,073	1,065
1979.....	1,053	1,087	1,053	1,072	1,063	1,014	1,027	992	1,027	1,033	1,009	1,011
CIVILIAN LABOR FORCE - BLACK AND OTHER MALES 16-19 YEARS												
1975.....	506	527	499	512	495	512	482	483	490	493	476	479
1976.....	510	506	511	518	507	464	481	500	506	515	513	523
1977.....	492	492	488	461	489	531	551	587	532	539	562	566
1978.....	556	565	558	556	541	587	598	526	533	545	567	554
1979.....	549	565	569	553	559	535	525	539	544	528	512	494
CIVILIAN LABOR FORCE - BLACK AND OTHER FEMALES 16-19 YEARS												
1975.....	430	445	423	437	461	431	443	435	466	457	438	462
1976.....	448	437	452	443	440	392	421	453	406	408	428	396
1977.....	415	402	402	413	389	459	434	449	456	462	459	463
1978.....	460	461	472	454	515	515	539	521	507	499	506	511
1979.....	504	522	484	519	504	479	502	453	483	505	497	517
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1975.....	9,452	9,413	9,474	9,444	9,528	9,557	9,592	9,711	9,755	9,726	9,736	9,692
1976.....	9,747	9,824	9,850	9,928	9,899	9,972	9,983	10,014	10,004	10,019	10,154	10,162
1977.....	10,136	10,225	10,225	10,211	10,304	10,330	10,274	10,360	10,377	10,404	10,540	10,671
1978.....	10,727	10,706	10,815	10,801	10,893	10,904	10,889	10,951	11,038	11,049	11,087	11,076
1979.....	11,048	11,090	11,185	11,119	11,156	11,246	11,359	11,351	11,377	11,479	11,382	11,421
CIVILIAN LABOR FORCE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1975.....	5,190	5,168	5,164	5,156	5,208	5,199	5,272	5,322	5,346	5,286	5,301	5,266
1976.....	5,234	5,255	5,236	5,315	5,352	5,373	5,359	5,385	5,375	5,391	5,432	5,459
1977.....	5,456	5,496	5,494	5,443	5,497	5,544	5,503	5,523	5,419	5,517	5,558	5,620
1978.....	5,668	5,642	5,672	5,672	5,734	5,715	5,711	5,704	5,759	5,798	5,837	5,845
1979.....	5,809	5,830	5,852	5,823	5,847	5,889	5,961	5,956	5,989	6,003	5,927	5,954
CIVILIAN LABOR FORCE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1975.....	4,262	4,245	4,310	4,288	4,320	4,358	4,320	4,389	4,409	4,440	4,435	4,426
1976.....	4,513	4,569	4,614	4,613	4,547	4,599	4,624	4,629	4,629	4,628	4,722	4,703
1977.....	4,680	4,729	4,731	4,768	4,807	4,786	4,771	4,837	4,958	4,887	4,982	5,051
1978.....	5,059	5,064	5,143	5,129	5,159	5,189	5,178	5,247	5,279	5,251	5,250	5,231
1979.....	5,239	5,260	5,333	5,296	5,309	5,357	5,398	5,395	5,388	5,476	5,455	5,467
CIVILIAN LABOR FORCE BLACK WORKERS												
1975.....	9,079	9,000	9,075	9,035	9,111	9,135	9,094	9,176	9,231	9,174	9,184	9,193
1976.....	9,272	9,273	9,322	9,480	9,351	9,354	9,363	9,474	9,377	9,395	9,548	9,530
1977.....	9,517	9,576	9,588	9,586	9,666	9,764	9,683	9,854	9,809	9,827	9,929	10,077
1978.....	10,082	10,049	10,104	10,116	10,218	10,221	10,236	10,210	10,283	10,310	10,347	10,330
1979.....	10,297	10,360	10,369	10,345	10,381	10,384	10,477	10,453	10,491	10,596	10,478	10,500
CIVILIAN LABOR FORCE - BLACK WORKERS 16-19 YEARS												
1975.....	827	839	825	843	839	839	803	774	821	820	802	832
1976.....	840	822	847	892	851	772	796	853	805	801	815	793
1977.....	783	773	763	760	776	884	852	912	883	886	907	909
1978.....	891	896	897	875	920	921	953	891	898	899	925	925
1979.....	898	984	906	927	922	869	856	843	868	881	856	867
CIVILIAN LABOR FORCE - BLACK MALES 16-19 YEARS												
1975.....	452	455	442	458	447	472	436	404	422	425	413	417
1976.....	449	430	437	495	459	413	429	458	453	451	440	451
1977.....	419	422	420	399	440	477	489	522	475	485	510	508
1978.....	491	492	485	480	482	469	500	444	462	464	488	476
1979.....	477	499	498	481	500	459	433	460	459	449	435	422

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - BLACK FEMALES 16-19 YEARS												
IN THOUSANDS												
1975.....	375	384	383	385	392	367	367	370	399	395	389	415
1976.....	391	392	410	397	392	359	367	395	352	350	375	342
1977.....	364	351	343	361	336	407	363	390	408	401	397	401
1978.....	400	404	412	395	438	452	453	447	436	435	437	449
1979.....	421	445	408	446	422	410	423	383	409	432	421	445
CIVILIAN LABOR FORCE - BLACK WORKERS 20 YEARS AND OVER												
1975.....	8,252	8,161	8,250	8,192	8,272	8,296	8,291	8,402	8,410	8,354	8,382	8,361
1976.....	8,432	8,451	8,475	8,588	8,500	8,582	8,567	8,621	8,572	8,594	8,733	8,737
1977.....	8,734	8,803	8,825	8,826	8,890	8,880	8,831	8,942	8,926	8,941	9,022	9,168
1978.....	9,191	9,153	9,207	9,241	9,298	9,300	9,283	9,319	9,385	9,411	9,422	9,405
1979.....	9,399	9,416	9,463	9,418	9,459	9,515	9,621	9,610	9,623	9,715	9,622	9,633
CIVILIAN LABOR FORCE - BLACK MALES 20 YEARS AND OVER												
1975.....	4,514	4,444	4,467	4,441	4,489	4,490	4,536	4,598	4,603	4,537	4,546	4,521
1976.....	4,507	4,518	4,483	4,577	4,555	4,591	4,585	4,618	4,595	4,597	4,660	4,665
1977.....	4,687	4,713	4,718	4,691	4,687	4,727	4,689	4,733	4,666	4,713	4,737	4,771
1978.....	4,837	4,806	4,835	4,848	4,858	4,832	4,833	4,815	4,855	4,891	4,924	4,918
1979.....	4,906	4,918	4,939	4,921	4,945	4,977	5,025	5,038	5,044	5,056	4,995	5,001
CIVILIAN LABOR FORCE - BLACK FEMALES 20 YEARS AND OVER												
1975.....	3,738	3,717	3,783	3,751	3,783	3,806	3,755	3,804	3,807	3,817	3,836	3,840
1976.....	3,925	3,933	3,992	4,011	3,945	3,991	3,982	4,003	3,977	3,997	4,073	4,072
1977.....	4,047	4,090	4,107	4,135	4,203	4,153	4,142	4,209	4,260	4,228	4,285	4,397
1978.....	4,354	4,347	4,372	4,393	4,440	4,468	4,450	4,504	4,530	4,520	4,498	4,487
1979.....	4,493	4,498	4,524	4,497	4,514	4,538	4,596	4,572	4,579	4,659	4,627	4,632
CIVILIAN LABOR FORCE - FULL-TIME WORKERS												
1975.....	78,706	78,453	78,637	78,871	79,446	78,629	78,893	79,205	79,584	79,642	79,530	79,758
1976.....	79,863	79,974	80,305	80,572	80,757	80,423	81,077	81,108	80,935	81,282	81,712	81,951
1977.....	81,723	81,982	82,065	82,255	82,722	83,156	83,114	83,364	83,270	83,506	83,949	84,009
1978.....	84,339	84,392	84,467	84,831	85,060	85,858	85,955	86,106	85,873	86,177	86,428	86,697
1979.....	86,953	87,264	87,408	87,412	87,397	87,501	87,749	87,685	88,134	88,394	88,469	88,576
CIVILIAN LABOR FORCE - FULL-TIME WORKERS 16-19 YEARS												
1975.....	4,893	4,862	4,806	4,853	5,070	4,641	4,802	4,760	4,843	4,836	4,758	4,834
1976.....	4,814	4,953	5,009	5,043	5,010	4,527	4,870	4,867	4,779	4,904	4,897	4,935
1977.....	4,964	4,975	4,956	5,004	5,016	5,142	5,074	5,185	5,093	5,110	5,155	5,131
1978.....	5,110	5,079	4,991	5,015	5,211	5,494	5,405	5,528	5,212	5,208	5,138	5,120
1979.....	5,233	5,209	5,245	5,221	5,111	5,087	5,110	4,881	5,188	5,136	5,232	5,260
CIVILIAN LABOR FORCE - FULL-TIME MALES 20 YEARS AND OVER												
1975.....	48,065	47,955	48,005	48,197	48,348	48,194	48,334	48,465	48,596	48,553	48,499	48,479
1976.....	48,438	48,398	48,604	48,724	48,864	48,906	49,105	49,177	49,242	49,325	49,376	49,372
1977.....	49,215	49,380	49,418	49,425	49,571	49,896	49,826	49,862	49,679	50,115	50,217	50,236
1978.....	50,310	50,381	50,306	50,587	50,623	50,765	50,742	50,843	50,715	51,045	51,165	51,339
1979.....	51,521	51,646	51,669	51,648	51,675	51,724	51,831	51,791	51,959	52,022	51,936	51,982
CIVILIAN LABOR FORCE - FULL-TIME FEMALES 20 YEARS AND OVER												
1975.....	25,748	25,636	25,826	25,821	26,028	25,794	25,757	25,980	26,145	26,253	26,273	26,445
1976.....	26,611	26,623	26,693	26,805	26,883	26,990	27,102	27,064	26,914	27,053	27,439	27,644
1977.....	27,544	27,627	27,691	27,826	28,135	28,118	28,214	28,317	28,498	28,281	28,576	28,642
1978.....	28,919	28,932	29,170	29,229	29,226	29,599	29,808	29,735	29,946	29,924	30,125	30,238
1979.....	30,199	30,409	30,494	30,543	30,611	30,690	30,809	31,013	30,987	31,236	31,302	31,335
CIVILIAN LABOR FORCE - PART-TIME WORKERS												
1975.....	13,354	13,248	13,334	13,422	13,381	13,768	14,121	13,857	13,541	13,572	13,470	13,345
1976.....	13,734	13,743	13,509	13,849	13,776	14,094	14,239	14,362	14,216	14,065	14,038	13,885
1977.....	13,965	14,293	14,407	14,508	14,423	14,332	14,292	14,479	14,472	14,657	14,859	14,703
1978.....	14,741	14,656	14,729	14,973	15,127	14,653	14,794	14,673	14,981	14,985	15,133	15,074
1979.....	15,121	15,147	15,024	14,806	14,962	15,064	15,448	15,535	15,275	15,165	15,158	15,411
CIVILIAN LABOR FORCE - PART-TIME WORKERS 16-19 YEARS												
1975.....	3,979	3,914	3,961	3,909	3,867	4,033	4,063	4,034	4,020	3,944	3,978	3,994
1976.....	4,054	3,952	3,916	4,053	4,086	4,279	4,270	4,292	4,113	4,078	4,097	4,027
1977.....	3,980	4,135	4,203	4,183	4,184	4,202	4,190	4,308	4,149	4,245	4,291	4,180
1978.....	4,249	4,266	4,326	4,372	4,364	4,038	4,239	4,254	4,391	4,414	4,448	4,471
1979.....	4,413	4,410	4,342	4,294	4,373	4,367	4,396	4,420	4,339	4,335	4,271	4,317
CIVILIAN LABOR FORCE - PART-TIME MALES 20 YEARS AND OVER												
1975.....	2,495	2,522	2,563	2,553	2,604	2,644	2,751	2,626	2,564	2,574	2,527	2,401
1976.....	2,533	2,591	2,470	2,644	2,548	2,602	2,548	2,524	2,579	2,573	2,599	2,595
1977.....	2,680	2,703	2,665	2,737	2,722	2,601	2,624	2,745	2,752	2,747	2,719	2,776
1978.....	2,736	2,654	2,813	2,712	2,802	2,734	2,718	2,617	2,720	2,639	2,767	2,688
1979.....	2,680	2,696	2,636	2,629	2,635	2,684	2,765	2,816	2,709	2,767	2,749	2,766
CIVILIAN LABOR FORCE - PART-TIME FEMALES 20 YEARS AND OVER												
1975.....	6,880	6,812	6,810	6,960	6,910	7,091	7,307	7,197	6,957	7,054	6,965	6,950
1976.....	7,147	7,200	7,123	7,152	7,142	7,213	7,421	7,546	7,524	7,414	7,342	7,263
1977.....	7,305	7,455	7,539	7,588	7,517	7,529	7,478	7,426	7,571	7,665	7,849	7,747
1978.....	7,756	7,736	7,590	7,889	7,961	7,881	7,837	7,802	7,870	7,932	7,918	7,915
1979.....	8,028	8,041	8,046	7,883	7,954	8,013	8,287	8,299	8,227	8,063	8,138	8,328

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE												
1975.....	61.4	61.0	61.2	61.3	61.5	61.2	61.3	61.3	61.2	61.2	61.0	61.1
1976.....	61.3	61.2	61.3	61.6	61.6	61.5	61.8	61.8	61.6	61.6	61.8	61.8
1977.....	61.6	61.9	62.0	62.1	62.2	62.4	62.2	62.4	62.3	62.4	62.8	62.7
1978.....	62.8	62.7	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.4	63.5	63.6
1979.....	63.6	63.8	63.7	63.5	63.5	63.5	63.8	63.7	63.9	63.8	63.8	63.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES												
1975.....	78.3	78.0	78.0	78.1	78.3	77.9	78.1	77.9	77.9	77.6	77.5	77.2
1976.....	77.4	77.3	77.3	77.7	77.6	77.3	77.7	77.6	77.5	77.5	77.6	77.6
1977.....	77.3	77.6	77.5	77.5	77.6	77.8	77.6	77.7	77.3	77.8	78.0	78.0
1978.....	77.9	77.7	77.8	77.8	77.9	77.9	77.8	77.8	77.7	77.8	78.0	78.0
1979.....	78.2	78.2	78.1	77.9	77.8	77.7	77.9	77.7	78.0	77.7	77.6	77.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES												
1975.....	46.3	45.8	46.1	46.2	46.5	46.2	46.4	46.5	46.4	46.5	46.4	46.6
1976.....	46.9	46.9	46.9	47.1	47.2	47.2	47.6	47.7	47.3	47.3	47.7	47.7
1977.....	47.6	47.9	48.1	48.3	48.4	48.5	48.4	48.6	48.8	48.6	49.2	48.9
1978.....	49.3	49.1	49.3	49.7	50.0	50.1	50.3	50.2	50.4	50.4	50.5	50.6
1979.....	50.6	50.8	50.9	50.6	50.7	50.7	51.1	51.2	51.2	51.3	51.3	51.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 16-19 YEARS												
1975.....	55.0	54.2	54.2	53.7	54.7	53.9	54.2	53.9	54.1	53.6	53.3	53.9
1976.....	54.4	54.3	54.5	55.3	55.2	53.9	55.4	55.1	53.9	54.5	54.5	54.3
1977.....	54.4	55.3	55.6	55.8	55.7	57.1	56.3	57.2	56.1	56.7	57.4	56.5
1978.....	57.1	56.8	56.8	57.3	58.3	58.3	58.6	59.1	58.3	58.6	58.5	58.5
1979.....	58.9	58.8	58.6	58.2	57.9	57.7	57.9	56.3	58.2	57.9	58.1	58.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 16-19 YEARS												
1975.....	60.0	59.6	59.6	59.0	59.7	59.4	59.4	58.6	59.0	58.4	58.2	58.2
1976.....	59.5	59.4	59.2	60.7	59.7	58.2	59.8	59.7	58.5	59.4	59.1	59.6
1977.....	58.9	59.9	60.2	60.6	61.4	62.0	61.3	61.4	60.6	61.9	62.7	61.9
1978.....	62.1	61.6	61.7	61.6	61.7	62.3	62.3	62.8	62.1	63.0	62.3	62.0
1979.....	63.0	62.4	62.5	61.9	61.6	61.3	61.5	60.0	62.2	60.9	61.3	62.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 16-19 YEARS												
1975.....	50.1	48.8	48.9	48.4	49.9	48.5	49.2	49.2	49.4	49.0	48.5	49.7
1976.....	49.3	49.4	49.8	50.0	50.8	49.7	51.2	50.7	49.5	49.7	50.0	49.1
1977.....	50.0	50.8	51.2	51.1	50.2	52.4	51.4	53.1	51.6	51.6	52.2	51.3
1978.....	52.2	52.0	51.9	53.1	54.8	54.4	55.0	55.4	54.6	54.3	54.7	55.0
1979.....	54.9	55.1	54.7	54.5	54.3	54.1	54.3	52.7	54.1	54.9	54.9	55.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 20 YEARS AND OVER												
1975.....	62.1	61.9	62.0	62.2	62.3	62.0	62.2	62.2	62.1	62.1	62.0	61.9
1976.....	62.1	62.1	62.1	62.3	62.3	62.4	62.6	62.6	62.5	62.4	62.7	62.7
1977.....	62.5	62.7	62.8	62.8	63.0	63.0	62.9	63.0	63.0	63.1	63.4	63.4
1978.....	63.5	63.3	63.5	63.7	63.8	63.8	63.8	63.7	63.9	63.9	64.1	64.2
1979.....	64.2	64.3	64.3	64.1	64.2	64.1	64.5	64.6	64.5	64.5	64.4	64.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 20 YEARS AND OVER												
1975.....	80.6	80.4	80.4	80.5	80.7	80.2	80.5	80.4	80.3	80.0	79.9	79.6
1976.....	79.7	79.6	79.6	79.9	79.9	79.7	79.9	79.9	79.9	79.8	80.0	79.8
1977.....	79.6	79.8	79.7	79.6	79.6	79.8	79.6	79.7	79.4	79.8	79.9	79.9
1978.....	79.8	79.7	79.8	79.8	79.9	79.8	79.7	79.7	79.6	79.6	79.9	80.0
1979.....	80.0	80.1	79.9	79.8	79.7	79.7	79.9	79.8	79.9	79.7	79.5	79.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 20 YEARS AND OVER												
1975.....	45.8	45.5	45.8	46.0	46.1	46.0	46.0	46.2	46.0	46.2	46.1	46.2
1976.....	46.6	46.6	46.6	46.8	46.8	47.0	47.2	47.3	47.1	47.0	47.4	47.6
1977.....	47.3	47.5	47.8	48.0	48.2	48.1	48.0	48.1	48.5	48.3	48.8	48.7
1978.....	48.9	48.8	49.0	49.4	49.5	49.6	49.8	49.6	50.0	50.0	50.1	50.1
1979.....	50.1	50.3	50.4	50.2	50.4	50.3	50.8	51.0	50.9	50.9	50.9	51.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 20-24 YEARS												
1975.....	74.3	74.0	74.0	74.2	74.7	73.5	74.2	74.2	74.2	73.7	73.1	73.7
1976.....	73.8	73.9	73.9	74.9	75.0	74.6	75.3	74.7	74.4	75.1	75.5	75.5
1977.....	75.3	75.7	75.5	75.1	75.2	75.9	75.6	76.0	76.1	75.9	75.9	76.0
1978.....	76.5	75.9	76.0	76.7	76.6	77.1	76.9	77.1	77.2	77.5	77.1	77.4
1979.....	77.4	77.8	77.8	77.7	77.4	77.3	77.6	77.5	77.9	77.7	77.2	77.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 20-24 YEARS												
1975.....	85.1	84.8	84.9	85.0	85.5	84.0	85.0	84.9	85.2	84.3	83.4	83.8
1976.....	83.9	84.5	84.2	85.4	85.6	84.7	85.5	84.9	85.2	85.9	86.3	86.6
1977.....	86.2	86.2	85.8	85.0	84.7	85.6	85.6	86.4	85.5	85.6	85.3	85.4
1978.....	85.7	85.1	85.7	85.9	85.9	86.0	85.5	86.4	85.8	86.3	86.7	86.4
1979.....	86.8	86.9	86.5	87.0	86.2	86.3	86.5	86.3	87.3	87.1	86.1	86.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 20-24 YEARS												
1975.....	64.3	63.9	63.9	64.2	64.7	63.8	64.3	64.2	64.0	63.9	63.4	64.3
1976.....	64.5	64.1	64.4	65.3	65.1	65.2	65.8	65.2	64.4	65.0	65.4	65.1
1977.....	65.2	66.0	66.0	65.9	66.4	66.9	66.3	66.2	67.2	66.9	67.0	67.3
1978.....	67.9	67.3	66.9	68.2	67.8	68.8	69.0	68.4	69.1	69.2	68.2	69.1
1979.....	68.7	69.4	69.6	69.0	69.2	68.9	69.4	69.1	69.0	68.8	68.9	69.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 25 YEARS AND OVER												
1975.....	60.2	59.9	60.1	60.3	60.4	60.3	60.4	60.3	60.3	60.4	60.2	60.0
1976.....	60.3	60.2	60.2	60.3	60.3	60.5	60.6	60.7	60.7	60.6	60.6	60.7
1977.....	60.5	60.6	60.7	60.9	61.1	61.0	60.9	60.9	61.0	61.2	61.4	61.3
1978.....	61.4	61.4	61.4	61.6	61.8	61.8	61.8	61.6	61.8	61.8	62.0	62.0
1979.....	62.1	62.2	62.2	61.9	62.1	62.1	62.4	62.5	62.5	62.5	62.3	62.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 25 YEARS AND OVER												
1975.....	79.8	79.5	79.6	79.7	79.9	79.7	79.8	79.7	79.7	79.5	79.3	78.9
1976.....	78.9	78.7	78.8	78.9	78.9	79.0	79.0	79.1	79.3	79.0	78.9	78.7
1977.....	78.5	78.7	78.6	78.7	78.8	78.8	78.6	78.6	78.6	79.0	79.0	79.0
1978.....	78.9	78.8	78.8	78.8	78.9	78.8	78.7	78.6	78.7	78.6	78.8	78.9
1979.....	78.9	79.0	78.9	78.5	78.7	78.6	78.8	78.8	78.8	78.6	78.4	78.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 25 YEARS AND OVER												
1975.....	43.1	42.7	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.6	43.4	43.4
1976.....	43.9	43.9	43.9	43.9	44.0	44.2	44.5	44.5	44.4	44.4	44.6	44.8
1977.....	44.6	44.7	45.0	45.2	45.5	45.2	45.3	45.2	45.6	45.5	46.0	45.8
1978.....	46.0	46.0	46.2	46.5	46.6	46.7	46.9	46.6	47.0	47.1	47.3	47.2
1979.....	47.3	47.4	47.5	47.3	47.5	47.6	48.0	48.2	48.1	48.3	48.2	48.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 25-34 YEARS												
1975.....	74.1	73.4	73.8	74.1	74.3	74.4	74.4	74.4	74.7	74.9	74.8	74.5
1976.....	75.0	74.8	75.1	75.4	75.6	75.7	75.9	76.0	75.9	75.8	76.0	76.1
1977.....	75.9	76.3	76.6	76.8	76.8	77.1	77.1	77.2	77.2	77.1	77.1	77.2
1978.....	77.3	77.6	77.9	78.3	78.2	78.2	78.3	78.1	78.5	78.7	78.7	79.0
1979.....	78.9	78.9	78.8	78.7	79.0	79.1	79.4	79.6	79.4	79.4	79.4	79.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 25-34 YEARS												
1975.....	95.5	94.9	95.2	95.4	95.5	95.5	95.4	95.2	95.3	95.7	95.3	94.9
1976.....	94.9	94.8	95.1	95.3	95.5	95.5	95.4	95.2	95.5	95.6	95.5	95.1
1977.....	95.0	95.3	95.4	95.4	95.2	95.6	95.5	95.5	95.2	95.5	95.4	95.4
1978.....	95.3	95.4	95.4	95.4	95.4	95.1	95.3	95.2	95.4	95.1	95.4	95.7
1979.....	95.5	95.6	95.4	95.3	95.5	95.3	95.5	95.1	95.4	95.5	95.3	95.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 25-34 YEARS												
1975.....	54.0	53.2	53.7	54.1	54.4	54.7	54.6	54.9	55.3	55.4	55.4	55.3
1976.....	56.3	55.9	56.3	56.7	56.8	57.2	57.6	57.9	57.4	57.2	57.6	58.2
1977.....	58.0	58.5	58.9	59.2	59.5	59.7	59.7	60.0	60.2	59.8	60.0	60.1
1978.....	60.2	60.8	61.5	62.1	62.0	62.1	62.2	62.0	62.5	63.3	63.0	63.2
1979.....	63.1	63.2	63.1	63.1	63.4	63.8	64.1	64.8	64.2	64.2	64.3	64.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 35-44 YEARS												
1975.....	74.8	74.5	74.6	74.9	74.8	74.9	74.9	75.5	75.2	75.2	75.0	75.1
1976.....	75.2	75.6	75.7	75.8	75.5	75.8	75.8	76.1	76.3	76.2	76.3	76.4
1977.....	76.1	76.3	76.5	76.7	76.9	76.9	77.2	77.0	76.8	77.1	77.6	77.6
1978.....	77.9	77.7	77.7	77.6	78.2	78.3	78.0	77.9	78.1	78.2	78.4	78.2
1979.....	78.1	78.4	78.8	78.6	78.7	78.9	79.3	79.5	79.7	79.7	79.5	79.8
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 35-44 YEARS												
1975.....	95.5	95.2	95.4	95.4	95.8	96.0	96.1	96.0	95.9	95.7	95.6	95.3
1976.....	95.1	95.2	95.3	95.4	95.3	95.0	95.6	95.6	95.9	95.5	95.5	95.4
1977.....	95.3	95.5	95.5	95.6	95.9	95.6	95.6	95.5	95.5	95.9	95.9	95.9
1978.....	96.2	95.8	95.6	95.6	95.7	95.8	95.6	95.4	95.6	95.7	95.9	95.6
1979.....	95.7	95.8	96.0	95.6	95.4	95.7	96.0	95.8	96.1	95.8	95.8	95.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 35-44 YEARS												
1975.....	55.7	55.3	55.3	55.9	55.3	55.5	55.4	56.5	56.0	56.4	56.0	56.4
1976.....	56.7	57.5	57.5	57.6	57.2	58.0	57.4	58.1	58.2	58.4	58.5	58.8
1977.....	58.4	58.7	59.0	59.2	59.4	59.6	60.1	59.9	59.5	59.7	60.6	60.6
1978.....	61.0	60.9	61.0	61.0	61.9	62.1	61.6	61.7	61.8	62.0	62.2	62.0
1979.....	61.7	62.3	62.8	62.9	63.2	63.4	63.8	64.4	64.5	64.8	64.3	65.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 45-54 YEARS												
1975.....	72.4	72.2	72.6	72.5	72.8	72.9	72.9	73.0	72.7	73.1	72.5	72.5
1976.....	72.3	72.3	72.0	72.3	72.4	72.6	73.1	72.9	72.8	72.9	72.8	72.8
1977.....	72.4	72.4	72.7	72.7	72.8	72.8	72.4	72.5	72.8	73.1	73.5	73.4
1978.....	73.5	73.3	73.4	73.3	73.3	73.1	73.7	73.6	74.0	74.0	74.0	74.1
1979.....	74.3	74.5	74.5	74.0	73.7	74.0	74.7	74.7	74.6	74.4	74.3	74.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 45-54 YEARS												
1975.....	91.5	91.3	91.7	91.7	92.5	92.3	92.3	92.9	92.6	92.8	92.2	91.8
1976.....	91.5	91.3	91.2	91.4	91.3	91.7	91.9	91.8	91.8	91.8	91.5	91.5
1977.....	90.8	90.9	90.8	90.9	91.0	91.3	90.7	90.9	91.0	91.4	91.6	91.7
1978.....	91.7	91.4	91.5	91.2	91.7	90.9	91.1	90.9	91.4	91.2	91.2	91.5
1979.....	91.6	91.8	92.0	91.2	91.2	91.5	91.7	91.9	91.6	91.2	90.9	91.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 45-54 YEARS												
1975.....	54.6	54.6	54.9	54.8	54.6	54.8	54.8	54.6	54.2	54.9	54.2	54.5
1976.....	54.5	54.6	54.2	54.6	54.9	54.9	55.6	55.2	55.2	55.3	55.4	55.4
1977.....	55.3	55.2	55.8	55.7	55.8	55.6	55.2	55.3	56.0	56.1	56.7	56.3
1978.....	56.5	56.5	56.4	56.6	56.1	56.5	57.5	57.4	57.8	57.9	57.8	57.9
1979.....	58.2	58.3	58.2	57.9	57.3	57.6	58.7	58.6	58.8	58.6	58.8	59.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 55 YEARS AND OVER												
1975.....	34.9	35.0	34.9	35.0	35.0	34.7	34.9	34.5	34.4	34.4	34.2	34.2
1976.....	34.2	34.2	34.0	33.8	33.8	33.9	34.0	34.2	34.1	33.9	33.8	33.9
1977.....	33.5	33.7	33.6	33.8	34.0	33.6	33.5	33.4	33.7	33.9	34.0	34.0
1978.....	33.7	33.6	33.6	33.9	33.8	34.1	33.9	33.7	33.7	33.5	33.8	33.8
1979.....	33.9	33.9	33.8	33.5	33.6	33.5	33.5	33.7	33.5	33.5	33.3	33.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 55 YEARS AND OVER												
1975.....	50.1	50.2	49.9	50.0	49.8	49.3	49.7	49.3	49.0	48.7	48.4	48.3
1976.....	48.3	47.8	48.0	47.9	47.8	48.1	47.9	48.3	48.3	47.8	47.6	47.5
1977.....	47.3	47.4	47.5	47.4	47.6	47.5	47.4	47.1	47.1	47.8	47.7	47.8
1978.....	47.1	47.2	47.3	47.5	47.4	47.9	47.5	47.1	46.9	47.1	47.3	47.3
1979.....	47.5	47.4	47.1	46.7	46.8	46.7	46.9	46.9	46.7	46.4	46.1	45.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 55 YEARS AND OVER												
1975.....	22.9	23.0	23.1	23.2	23.3	23.3	23.3	22.9	22.9	23.2	23.0	23.1
1976.....	23.2	23.4	23.1	22.8	22.7	22.7	23.1	23.1	23.0	23.0	23.0	23.1
1977.....	22.6	22.9	22.7	23.2	23.2	22.6	22.6	22.6	23.1	23.0	23.2	23.1
1978.....	23.1	22.9	22.9	23.2	23.1	23.3	23.3	23.1	23.2	22.8	23.2	23.2
1979.....	23.2	23.4	23.4	23.1	23.2	23.1	23.1	23.3	23.0	23.5	23.2	23.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 55-64 YEARS												
1975.....	57.6	57.7	57.5	57.5	57.7	57.4	57.7	57.3	57.2	57.2	56.8	57.0
1976.....	56.9	56.8	56.6	56.7	56.4	56.8	57.0	57.4	57.1	56.9	56.6	56.6
1977.....	56.4	56.4	56.4	56.7	57.0	56.5	56.3	56.1	56.5	56.8	56.8	56.7
1978.....	56.2	56.4	56.3	56.6	56.5	56.7	56.7	56.4	56.6	56.4	56.9	56.7
1979.....	57.0	56.9	56.8	56.3	56.6	56.4	56.6	56.7	56.6	56.8	56.2	56.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 55-64 YEARS												
1975.....	76.6	76.6	76.0	76.1	76.1	75.6	76.1	75.8	75.5	75.2	74.9	74.8
1976.....	74.7	73.9	74.2	74.4	74.4	74.8	74.5	75.2	75.1	74.6	74.1	73.8
1977.....	73.8	73.9	74.3	74.3	74.2	74.2	73.8	73.4	73.5	74.2	73.9	74.0
1978.....	72.9	73.4	73.5	73.6	73.6	73.9	73.8	73.2	73.1	73.1	73.7	73.6
1979.....	73.9	73.7	73.3	72.6	73.0	72.7	73.3	73.3	73.1	72.8	72.3	72.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 55-64 YEARS												
1975.....	40.7	41.0	41.1	41.0	41.2	41.2	41.3	40.8	40.9	41.2	40.8	41.1
1976.....	41.1	41.6	41.0	40.9	40.4	40.8	41.3	41.4	41.0	41.1	41.0	41.2
1977.....	40.8	40.8	40.3	40.9	41.7	40.7	40.8	40.6	41.4	41.3	41.4	41.3
1978.....	41.3	41.1	41.0	41.5	41.3	41.4	41.4	41.4	41.8	41.4	41.9	41.6
1979.....	41.8	41.9	42.0	41.7	41.9	41.7	41.8	41.9	41.9	42.5	41.8	41.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 65 YEARS AND OVER												
1975.....	14.0	14.0	14.1	14.3	14.1	13.9	14.0	13.7	13.5	13.5	13.5	13.4
1976.....	13.5	13.5	13.4	13.0	13.1	13.0	13.1	13.1	13.2	13.0	13.1	13.2
1977.....	12.8	13.1	13.0	13.1	13.0	12.8	12.8	12.9	13.1	13.3	13.4	13.5
1978.....	13.4	13.2	13.2	13.5	13.5	13.8	13.6	13.3	13.2	13.1	13.2	13.4
1979.....	13.3	13.4	13.4	13.3	13.2	13.2	13.0	13.3	13.0	13.0	13.0	12.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 65 YEARS AND OVER												
1975.....	22.3	22.5	22.5	22.6	22.2	21.7	22.0	21.5	21.2	20.9	20.8	20.6
1976.....	20.6	20.5	20.6	20.2	20.1	20.2	20.0	20.2	20.3	19.9	20.0	20.2
1977.....	19.9	20.0	19.6	19.4	20.0	19.8	20.1	19.9	19.9	20.5	20.7	20.8
1978.....	20.5	20.2	20.3	20.6	20.5	21.1	20.5	20.5	20.1	20.4	20.2	20.5
1979.....	20.4	20.5	20.4	20.3	20.1	20.1	20.0	20.1	20.0	19.6	19.7	19.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 65 YEARS AND OVER												
1975.....	8.1	8.1	8.1	8.4	8.5	8.4	8.4	8.2	8.0	8.3	8.3	8.4
1976.....	8.6	8.6	8.4	8.0	8.2	8.0	8.2	8.1	8.2	8.2	8.3	8.3
1977.....	7.8	8.2	8.3	8.6	8.1	7.9	7.8	7.9	8.3	8.2	8.4	8.3
1978.....	8.5	8.2	8.2	8.5	8.5	8.6	8.7	8.3	8.3	8.0	8.2	8.3
1979.....	8.3	8.5	8.5	8.4	8.3	8.3	8.2	8.5	8.1	8.4	8.4	8.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE WORKERS												
1975.....	61.6	61.2	61.4	61.5	61.8	61.5	61.7	61.6	61.5	61.5	61.3	61.3
1976.....	61.5	61.5	61.5	61.8	61.8	61.8	62.1	62.2	62.0	62.0	62.1	62.1
1977.....	61.9	62.2	62.4	62.5	62.6	62.7	62.5	62.6	62.6	62.8	63.1	62.8
1978.....	63.0	62.9	62.9	63.2	63.3	63.5	63.4	63.5	63.5	63.6	63.7	63.8
1979.....	64.0	64.1	64.0	63.8	63.8	63.8	64.0	64.0	64.2	64.1	64.0	64.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE MALES 16-19 YEARS												
1975.....	62.9	62.2	62.3	61.5	62.2	62.0	62.6	62.0	62.1	61.3	61.2	61.2
1976.....	62.4	62.2	62.0	63.6	62.4	61.2	62.8	63.4	61.4	62.4	62.1	62.4
1977.....	62.0	63.4	63.6	64.3	64.8	64.7	63.5	63.9	63.5	65.0	65.6	64.5
1978.....	64.9	64.5	64.5	64.2	64.6	65.1	64.3	66.7	65.3	66.3	65.3	65.1
1979.....	66.2	65.3	65.5	64.8	64.3	64.2	64.3	62.7	65.4	64.2	65.1	66.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE FEMALES 16-19 YEARS												
1975.....	52.8	51.0	51.5	51.0	51.9	50.8	51.6	52.0	51.8	51.4	51.1	52.1
1976.....	51.8	52.2	52.3	52.9	53.5	52.9	54.5	53.5	52.8	53.1	53.1	52.5
1977.....	53.3	54.5	54.7	54.7	53.6	55.3	54.6	56.5	54.7	54.7	55.3	54.2
1978.....	55.2	55.1	54.7	56.5	57.5	57.0	57.6	58.4	57.6	57.3	57.6	57.8
1979.....	58.1	58.1	57.9	57.5	57.1	57.2	57.3	56.3	57.5	58.0	58.1	58.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE MALES 20 YEARS AND OVER												
1975.....	80.8	80.7	80.8	80.9	81.2	80.8	81.0	80.8	80.8	80.6	80.3	80.1
1976.....	80.1	80.1	80.2	80.3	80.4	80.4	80.5	80.5	80.6	80.4	80.4	80.2
1977.....	79.9	80.2	80.1	80.1	80.1	80.3	80.1	80.3	80.1	80.4	80.4	80.4
1978.....	80.2	80.2	80.2	80.2	80.3	80.4	80.2	80.1	79.9	80.0	80.3	80.3
1979.....	80.5	80.7	80.4	80.2	80.1	80.2	80.3	80.2	80.2	80.0	79.9	79.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE FEMALES 20 YEARS AND OVER												
1975.....	45.2	44.9	45.1	45.3	45.4	45.2	45.4	45.5	45.3	45.6	45.4	45.6
1976.....	45.9	45.8	45.8	45.9	46.0	46.2	46.5	46.6	46.4	46.4	46.6	46.8
1977.....	46.6	46.8	47.1	47.3	47.5	47.4	47.3	47.3	47.7	47.6	48.0	47.8
1978.....	48.1	48.0	48.1	48.5	48.6	48.8	48.9	48.7	49.1	49.3	49.3	49.4
1979.....	49.4	49.6	49.7	49.5	49.6	49.6	50.0	50.3	50.2	50.2	50.2	50.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER WORKERS												
1975.....	59.4	59.3	59.2	59.0	59.4	59.3	59.0	59.4	59.7	59.4	59.1	58.9
1976.....	59.1	59.3	59.4	59.7	59.4	59.1	59.3	59.6	59.2	59.2	59.9	59.7
1977.....	59.4	59.7	59.5	59.2	59.6	60.2	59.7	60.3	60.0	60.1	60.7	61.3
1978.....	61.4	61.2	61.7	61.4	62.0	61.9	62.1	61.8	62.1	61.9	62.1	61.8
1979.....	61.5	61.8	62.0	61.6	61.6	61.6	62.1	61.8	61.9	62.3	61.6	61.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER MALES 16-19 YEARS												
1975.....	44.5	46.2	43.7	44.6	43.0	44.4	41.6	41.2	41.6	41.7	40.2	40.4
1976.....	42.9	42.5	42.9	43.3	42.2	38.6	39.9	41.5	42.0	42.7	42.5	43.6
1977.....	41.1	41.0	40.6	38.3	40.6	44.0	45.6	48.6	44.0	44.5	46.4	46.7
1978.....	45.8	46.5	46.0	45.8	44.5	44.8	48.9	43.0	43.6	44.6	46.3	45.2
1979.....	45.0	46.3	46.4	45.1	45.6	43.5	42.6	43.8	44.1	42.8	41.4	40.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER FEMALES 16-19 YEARS												
1975.....	35.0	36.1	34.3	35.4	37.2	34.7	35.5	34.7	37.1	36.3	34.8	36.6
1976.....	35.4	34.5	35.6	34.9	34.6	30.8	33.0	35.5	31.8	31.9	33.4	30.9
1977.....	32.4	31.3	31.3	32.1	30.2	35.6	33.6	34.8	35.3	35.7	35.4	35.7
1978.....	35.4	35.5	36.3	34.9	39.5	39.5	41.3	39.9	38.8	38.2	38.7	39.1
1979.....	38.6	39.9	37.0	39.6	38.5	36.6	38.3	34.6	36.8	38.5	37.9	39.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1975.....	76.9	76.4	76.1	75.9	76.5	76.1	76.7	77.3	77.3	76.2	76.2	75.5
1976.....	74.9	75.0	74.5	75.5	75.9	76.0	75.6	75.8	75.5	75.5	75.9	76.2
1977.....	75.9	76.3	76.2	75.3	75.8	76.3	75.5	75.6	74.0	75.1	75.5	76.1
1978.....	76.5	76.0	76.4	76.2	76.8	76.4	76.2	75.9	76.5	76.6	76.9	76.8
1979.....	76.2	76.2	76.4	75.8	75.9	76.3	77.1	76.9	77.1	77.0	75.9	76.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1975.....	50.9	50.6	51.3	50.9	51.1	51.4	50.6	51.2	51.4	51.6	51.5	51.2
1976.....	52.1	52.6	53.0	52.9	52.0	52.4	52.6	52.5	52.4	52.3	53.2	52.8
1977.....	52.4	52.8	52.7	53.0	53.3	52.9	52.6	53.2	54.4	53.5	54.4	55.0
1978.....	54.9	54.8	55.6	55.3	55.5	55.7	55.4	56.0	56.2	55.6	55.5	55.1
1979.....	55.1	55.1	55.8	55.2	55.2	55.6	55.8	55.7	55.4	56.2	55.9	55.8
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK WORKERS												
1975.....	59.2	58.5	58.8	58.5	58.8	58.9	58.5	58.9	59.1	58.6	58.4	58.4
1976.....	58.8	58.6	58.9	59.7	58.8	58.7	58.6	59.3	58.5	58.5	59.4	59.2
1977.....	59.0	59.3	59.2	59.1	59.5	59.9	59.2	60.2	59.8	59.8	60.3	61.1
1978.....	61.2	60.9	61.2	61.1	61.6	61.5	61.5	61.2	61.5	61.5	61.6	61.4
1979.....	61.1	61.4	61.3	61.0	61.1	61.1	61.5	61.3	61.4	61.8	61.0	61.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK MALES 16-19 YEARS												
1975.....	44.6	45.0	43.7	44.5	43.2	45.2	41.4	38.7	40.7	40.9	39.4	40.3
1976.....	42.8	41.3	41.1	45.6	41.4	37.2	39.0	42.2	41.6	42.0	41.0	42.5
1977.....	39.7	39.4	39.1	37.0	40.6	43.9	44.8	48.2	44.1	44.9	47.0	47.3
1978.....	45.9	46.2	45.7	45.1	45.5	44.0	46.9	42.0	43.0	43.3	45.1	44.2
1979.....	44.5	46.6	46.2	44.5	46.3	42.9	40.6	43.3	43.1	41.8	40.5	39.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK FEMALES 16-19 YEARS												
1975.....	34.1	34.3	34.0	34.3	35.0	32.6	32.7	33.4	35.3	34.7	33.7	36.0
1976.....	34.4	34.1	36.0	34.3	33.6	31.1	31.6	34.4	31.0	30.7	32.7	29.8
1977.....	31.8	30.8	29.9	31.4	29.8	35.8	31.8	33.8	34.9	34.3	33.9	34.6
1978.....	34.8	35.0	35.9	34.1	37.8	39.2	39.1	38.9	37.9	37.6	38.0	38.9
1979.....	36.6	38.7	35.4	38.8	36.9	35.7	36.8	33.2	35.5	37.6	36.6	38.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK MALES 20 YEARS AND OVER												
1975.....	76.7	75.3	75.5	75.1	75.7	75.6	76.2	77.0	76.8	75.6	75.6	74.9
1976.....	74.6	74.4	73.9	75.3	75.1	75.6	75.2	75.5	75.0	74.8	75.6	75.6
1977.....	75.8	76.2	76.2	75.4	75.2	75.6	74.9	75.5	74.1	74.7	75.0	75.4
1978.....	76.4	75.7	76.2	76.2	76.2	75.7	75.5	75.1	75.6	75.9	76.3	75.9
1979.....	75.6	75.6	75.9	75.4	75.6	75.9	76.5	76.6	76.5	76.4	75.3	75.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK FEMALES 20 YEARS AND OVER												
1975.....	50.9	50.6	51.3	50.8	51.1	51.4	50.5	51.0	51.0	51.0	51.1	51.1
1976.....	52.0	52.1	52.8	53.0	52.1	52.6	52.3	52.4	51.9	52.0	52.9	52.7
1977.....	52.3	52.7	52.9	53.2	53.8	53.0	52.7	53.6	54.2	53.6	54.3	55.5
1978.....	54.9	54.7	54.9	55.1	55.5	55.8	55.4	55.9	56.2	55.9	55.5	55.2
1979.....	55.2	55.1	55.3	54.9	54.9	55.1	55.7	55.3	55.3	56.1	55.6	55.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - ALL CIVILIAN WORKERS												
IN THOUSANDS												
1975.....	84,662	84,271	84,185	84,169	84,406	84,289	84,820	85,154	85,173	85,244	85,316	85,534
1976.....	86,235	86,486	86,773	87,191	87,540	87,272	87,813	87,937	87,856	87,944	88,295	88,486
1977.....	88,566	88,959	89,397	89,843	90,291	90,429	90,603	90,958	91,177	91,514	92,221	92,589
1978.....	92,813	92,921	93,128	93,763	94,116	94,556	94,428	94,802	94,973	95,401	95,728	95,831
1979.....	96,157	96,496	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912
EMPLOYED - MALES												
1975.....	51,395	51,208	51,046	50,946	51,084	50,879	51,207	51,376	51,348	51,337	51,399	51,443
1976.....	51,785	51,970	52,069	52,353	52,410	52,159	52,491	52,648	52,614	52,691	52,700	52,806
1977.....	52,902	53,072	53,284	53,490	53,616	53,823	53,912	54,043	54,059	54,432	54,752	54,964
1978.....	54,910	54,884	54,973	55,211	55,403	55,648	55,529	55,668	55,611	55,821	56,123	56,087
1979.....	56,326	56,476	56,449	56,294	56,372	56,477	56,570	56,408	56,714	56,629	56,580	56,734
EMPLOYED - FEMALES												
1975.....	33,267	33,063	33,139	33,223	33,322	33,410	33,613	33,778	33,825	33,907	33,917	34,091
1976.....	34,450	34,516	34,704	34,838	35,130	35,113	35,322	35,289	35,242	35,253	35,595	35,680
1977.....	35,664	35,887	36,113	36,353	36,675	36,606	36,691	36,915	37,118	37,082	37,469	37,625
1978.....	37,903	38,037	38,155	38,552	38,713	38,908	38,899	39,134	39,362	39,580	39,605	39,744
1979.....	39,831	40,020	40,174	39,960	40,123	40,175	40,614	40,596	40,790	40,845	41,028	41,178
EMPLOYED - BOTH SEXES 16-19 YEARS												
1975.....	7,151	7,060	7,024	6,969	7,073	6,924	6,993	6,970	7,116	7,027	7,060	7,079
1976.....	7,162	7,204	7,242	7,306	7,383	7,209	7,452	7,290	7,227	7,274	7,256	7,234
1977.....	7,263	7,428	7,461	7,541	7,540	7,638	7,652	7,785	7,584	7,747	7,834	7,884
1978.....	7,845	7,737	7,735	7,861	8,030	8,138	8,036	8,190	8,045	8,088	8,048	8,026
1979.....	8,121	8,088	8,110	7,989	7,926	7,994	7,986	7,693	7,976	7,919	7,986	8,032
EMPLOYED - MALES 16-19 YEARS												
1975.....	3,850	3,826	3,825	3,752	3,826	3,716	3,757	3,743	3,840	3,796	3,825	3,807
1976.....	3,852	3,904	3,899	3,935	3,911	3,860	3,973	3,953	3,866	3,904	3,878	3,937
1977.....	3,941	3,996	4,021	4,099	4,144	4,119	4,153	4,133	4,094	4,228	4,283	4,302
1978.....	4,281	4,191	4,201	4,212	4,268	4,382	4,293	4,373	4,295	4,316	4,279	4,226
1979.....	4,302	4,265	4,298	4,245	4,214	4,276	4,245	4,097	4,261	4,186	4,206	4,256
EMPLOYED - FEMALES 16-19 YEARS												
1975.....	3,301	3,234	3,199	3,217	3,247	3,208	3,236	3,227	3,276	3,231	3,235	3,272
1976.....	3,310	3,300	3,343	3,371	3,472	3,349	3,479	3,337	3,361	3,370	3,378	3,297
1977.....	3,322	3,432	3,440	3,442	3,396	3,519	3,499	3,652	3,490	3,519	3,551	3,582
1978.....	3,564	3,546	3,534	3,649	3,762	3,756	3,743	3,817	3,750	3,772	3,769	3,800
1979.....	3,819	3,823	3,812	3,744	3,712	3,718	3,741	3,596	3,715	3,733	3,780	3,776
EMPLOYED - BOTH SEXES 20 YEARS AND OVER												
1975.....	77,511	77,211	77,161	77,200	77,333	77,365	77,827	78,184	78,057	78,217	78,256	78,455
1976.....	79,073	79,282	79,531	79,885	80,157	80,063	80,361	80,647	80,629	80,670	81,039	81,252
1977.....	81,303	81,531	81,936	82,302	82,751	82,791	82,951	83,173	83,593	83,767	84,387	84,705
1978.....	84,968	85,184	85,393	85,902	86,086	86,418	86,392	86,612	86,928	87,313	87,680	87,805
1979.....	88,036	88,408	88,513	88,265	88,569	88,658	89,198	89,311	89,528	89,555	89,622	89,880
EMPLOYED - MALES 20 YEARS AND OVER												
1975.....	47,545	47,382	47,221	47,194	47,258	47,163	47,450	47,633	47,508	47,541	47,574	47,636
1976.....	47,933	48,066	48,170	48,418	48,499	48,299	48,518	48,695	48,748	48,787	48,822	48,869
1977.....	48,961	49,076	49,263	49,391	49,472	49,704	49,759	49,910	49,965	50,204	50,469	50,662
1978.....	50,629	50,693	50,772	50,999	51,135	51,266	51,256	51,295	51,316	51,505	51,844	51,861
1979.....	52,024	52,211	52,151	52,049	52,158	52,201	52,325	52,311	52,453	52,443	52,374	52,478
EMPLOYED - FEMALES 20 YEARS AND OVER												
1975.....	29,966	29,829	29,940	30,006	30,075	30,202	30,377	30,551	30,549	30,676	30,682	30,819
1976.....	31,140	31,216	31,361	31,467	31,658	31,764	31,843	31,952	31,881	31,883	32,217	32,383
1977.....	32,342	32,455	32,673	32,911	33,279	33,087	33,192	33,263	33,628	33,563	33,918	34,043
1978.....	34,339	34,491	34,621	34,903	34,951	35,152	35,156	35,317	35,612	35,808	35,836	35,944
1979.....	36,012	36,197	36,362	36,216	36,411	36,457	36,873	37,000	37,075	37,112	37,248	37,402
EMPLOYED - BOTH SEXES 25 YEARS AND OVER												
1975.....	65,824	65,629	65,631	65,674	65,774	65,813	66,191	66,399	66,396	66,572	66,602	66,605
1976.....	67,180	67,223	67,425	67,608	67,802	67,854	67,921	68,287	68,340	68,381	68,548	68,720
1977.....	68,731	68,924	69,226	69,593	70,023	69,961	70,086	70,217	70,617	70,782	71,287	71,505
1978.....	71,798	72,023	72,171	72,509	72,597	72,915	72,928	72,909	73,333	73,572	73,951	74,010
1979.....	74,208	74,465	74,575	74,296	74,711	74,864	75,290	75,436	75,616	75,728	75,650	76,030
EMPLOYED - MALES 25 YEARS AND OVER												
1975.....	41,127	41,028	40,921	40,927	40,960	40,918	41,127	41,229	41,191	41,186	41,213	41,193
1976.....	41,419	41,419	41,532	41,640	41,721	41,652	41,729	41,918	41,991	41,989	41,935	41,976
1977.....	42,012	42,144	42,286	42,436	42,568	42,710	42,700	42,820	42,940	43,074	43,309	43,465
1978.....	43,499	43,558	43,562	43,690	43,759	43,916	43,916	43,885	44,000	44,084	44,343	44,393
1979.....	44,519	44,640	44,636	44,418	44,658	44,681	44,806	44,818	44,912	44,924	44,796	44,966
EMPLOYED - FEMALES 25 YEARS AND OVER												
1975.....	24,697	24,601	24,710	24,747	24,814	24,895	25,064	25,170	25,205	25,386	25,389	25,412
1976.....	25,761	25,804	25,893	25,968	26,081	26,202	26,192	26,369	26,349	26,392	26,613	26,744
1977.....	26,719	26,780	26,940	27,157	27,455	27,251	27,386	27,397	27,677	27,708	27,978	28,040
1978.....	28,299	28,465	28,609	28,819	28,838	28,999	29,012	29,024	29,333	29,488	29,608	29,617
1979.....	29,689	29,825	29,939	29,878	30,053	30,183	30,484	30,618	30,704	30,804	30,854	31,064

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - BOTH SEXES 25-54 YEARS												
IN THOUSANDS												
1975.....	52,280	52,092	52,114	52,139	52,180	52,361	52,626	52,940	52,909	53,188	53,163	53,242
1976.....	53,665	53,758	54,020	54,227	54,331	54,441	54,469	54,734	54,732	54,856	54,956	55,101
1977.....	55,206	55,394	55,673	55,915	56,181	56,296	56,417	56,564	56,793	56,918	57,319	57,549
1978.....	57,828	58,049	58,192	58,422	58,412	58,684	58,744	58,797	59,177	59,458	59,642	59,698
1979.....	59,823	60,070	60,236	60,092	60,331	60,552	60,986	61,082	61,208	61,302	61,281	61,686
EMPLOYED - MALES 25-54 YEARS												
1975.....	32,525	32,409	32,398	32,381	32,437	32,481	32,602	32,736	32,714	32,838	32,835	32,858
1976.....	33,009	33,070	33,223	33,289	33,362	33,286	33,346	33,449	33,498	33,580	33,518	33,529
1977.....	33,591	33,707	33,845	33,962	34,019	34,145	34,149	34,260	34,398	34,456	34,650	34,791
1978.....	34,879	34,889	34,918	35,016	35,045	35,115	35,176	35,124	35,276	35,316	35,509	35,539
1979.....	35,648	35,760	35,828	35,701	35,857	35,921	36,020	35,962	36,052	36,100	36,020	36,206
EMPLOYED - FEMALES 25-54 YEARS												
1975.....	19,755	19,683	19,716	19,758	19,743	19,880	20,024	20,204	20,195	20,350	20,328	20,384
1976.....	20,656	20,688	20,797	20,938	20,969	21,155	21,123	21,285	21,234	21,276	21,438	21,572
1977.....	21,615	21,687	21,828	21,953	22,162	22,151	22,268	22,304	22,395	22,462	22,669	22,758
1978.....	22,949	23,160	23,274	23,406	23,367	23,569	23,568	23,673	23,901	24,142	24,133	24,159
1979.....	24,175	24,310	24,408	24,391	24,474	24,631	24,966	25,120	25,156	25,202	25,261	25,480
EMPLOYED - AGRICULTURAL INDUSTRIES												
1975.....	3,372	3,332	3,332	3,286	3,535	3,338	3,428	3,401	3,482	3,369	3,301	3,235
1976.....	3,352	3,264	3,265	3,404	3,335	3,272	3,321	3,344	3,246	3,284	3,228	3,227
1977.....	3,142	3,175	3,181	3,271	3,396	3,288	3,201	3,213	3,171	3,236	3,340	3,297
1978.....	3,388	3,268	3,315	3,295	3,298	3,415	3,382	3,345	3,375	3,377	3,240	3,375
1979.....	3,260	3,307	3,320	3,215	3,246	3,243	3,267	3,315	3,364	3,294	3,385	3,359
EMPLOYED - AGRICULTURAL INDUSTRIES BOTH SEXES 16-19 YEARS												
1975.....	432	380	414	398	528	459	493	447	487	438	422	439
1976.....	448	454	444	454	425	402	422	445	418	416	403	403
1977.....	394	392	410	414	411	400	389	377	380	380	443	424
1978.....	438	370	393	376	384	406	387	413	394	417	372	390
1979.....	361	385	375	348	368	355	355	340	359	351	335	350
EMPLOYED - AGRICULTURAL INDUSTRIES MALES 16-19 YEARS												
1975.....	352	295	351	323	440	384	413	360	417	394	376	372
1976.....	371	392	377	377	356	332	347	371	351	350	343	344
1977.....	338	327	338	355	346	326	324	314	306	307	363	351
1978.....	349	291	325	296	310	334	323	341	325	338	282	299
1979.....	306	326	306	298	307	295	287	275	300	295	278	287
EMPLOYED - AGRICULTURAL INDUSTRIES FEMALES 16-19 YEARS												
1975.....	80	85	63	75	88	75	80	87	70	44	46	67
1976.....	77	62	67	77	69	70	75	74	67	66	60	59
1977.....	56	65	72	59	65	74	65	63	74	73	80	73
1978.....	89	79	68	80	74	72	64	72	69	79	90	91
1979.....	55	59	69	50	61	60	68	65	59	56	57	63
EMPLOYED - AGRICULTURAL INDUSTRIES BOTH SEXES 20 YEARS AND OVER												
1975.....	2,940	2,952	2,918	2,888	3,007	2,879	2,935	2,954	2,995	2,931	2,879	2,796
1976.....	2,904	2,810	2,821	2,950	2,910	2,870	2,899	2,899	2,828	2,868	2,825	2,824
1977.....	2,748	2,783	2,771	2,857	2,985	2,888	2,812	2,836	2,791	2,856	2,897	2,873
1978.....	2,950	2,898	2,922	2,919	2,914	3,009	2,995	2,932	2,981	2,960	2,868	2,985
1979.....	2,899	2,922	2,945	2,867	2,878	2,888	2,912	2,975	3,005	2,943	3,050	3,009
EMPLOYED - AGRICULTURAL INDUSTRIES MALES 20 YEARS AND OVER												
1975.....	2,440	2,477	2,455	2,434	2,448	2,383	2,413	2,424	2,458	2,411	2,397	2,317
1976.....	2,380	2,368	2,355	2,419	2,416	2,392	2,410	2,367	2,304	2,323	2,285	2,261
1977.....	2,239	2,276	2,266	2,304	2,373	2,337	2,280	2,323	2,298	2,324	2,323	2,330
1978.....	2,399	2,310	2,315	2,326	2,347	2,407	2,402	2,349	2,394	2,360	2,313	2,387
1979.....	2,303	2,329	2,350	2,295	2,301	2,305	2,327	2,375	2,377	2,371	2,438	2,427
EMPLOYED - AGRICULTURAL INDUSTRIES FEMALES 20 YEARS AND OVER												
1975.....	500	475	463	454	559	496	522	530	537	520	482	479
1976.....	524	442	466	531	494	478	489	532	524	545	540	563
1977.....	509	507	505	553	612	551	532	513	493	532	574	543
1978.....	551	588	607	593	567	602	593	583	587	600	555	598
1979.....	596	593	595	572	577	583	585	600	628	572	612	582
EMPLOYED - NONAGRICULTURAL INDUSTRIES												
1975.....	81,290	80,939	80,853	80,883	80,871	80,951	81,392	81,753	81,691	81,875	82,015	82,299
1976.....	82,883	83,222	83,508	83,787	84,205	84,000	84,492	84,593	84,610	84,660	85,067	85,259
1977.....	85,424	85,784	86,216	86,572	86,895	87,141	87,402	87,745	88,006	88,278	88,881	89,292
1978.....	89,425	89,653	89,813	90,468	90,818	91,141	91,046	91,457	91,598	92,024	92,488	92,456
1979.....	92,897	93,189	93,303	93,039	93,249	93,409	93,917	93,689	94,140	94,180	94,223	94,553
EMPLOYED - NONAGRICULTURAL INDUSTRIES BOTH SEXES 16-19 YEARS												
1975.....	6,719	6,680	6,610	6,571	6,545	6,465	6,500	6,523	6,629	6,589	6,638	6,640
1976.....	6,714	6,750	6,798	6,852	6,958	6,807	7,030	6,845	6,809	6,858	6,853	6,831
1977.....	6,869	7,036	7,051	7,127	7,129	7,238	7,263	7,408	7,204	7,367	7,391	7,460
1978.....	7,407	7,367	7,342	7,485	7,646	7,732	7,649	7,777	7,651	7,671	7,676	7,636
1979.....	7,760	7,703	7,735	7,641	7,558	7,639	7,631	7,353	7,617	7,568	7,651	7,682

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - NONAGRICULTURAL INDUSTRIES MALES 16-19 YEARS												
IN THOUSANDS												
1975.....	3,498	3,531	3,474	3,429	3,386	3,332	3,344	3,383	3,423	3,402	3,449	3,435
1976.....	3,481	3,512	3,522	3,558	3,555	3,528	3,626	3,582	3,515	3,554	3,535	3,593
1977.....	3,603	3,669	3,683	3,744	3,798	3,793	3,829	3,819	3,788	3,921	3,920	3,951
1978.....	3,932	3,900	3,876	3,916	3,958	4,048	3,970	4,032	3,970	3,978	3,997	3,927
1979.....	3,996	3,939	3,992	3,947	3,907	3,981	3,958	3,822	3,961	3,891	3,928	3,969
EMPLOYED - NONAGRICULTURAL INDUSTRIES FEMALES 16-19 YEARS												
1975.....	3,221	3,149	3,136	3,142	3,159	3,133	3,156	3,140	3,206	3,187	3,189	3,205
1976.....	3,233	3,238	3,276	3,294	3,403	3,279	3,404	3,263	3,294	3,304	3,318	3,238
1977.....	3,266	3,367	3,368	3,383	3,331	3,445	3,434	3,589	3,416	3,446	3,471	3,509
1978.....	3,475	3,467	3,466	3,569	3,688	3,684	3,679	3,745	3,681	3,693	3,679	3,709
1979.....	3,764	3,764	3,743	3,694	3,651	3,658	3,673	3,531	3,656	3,677	3,723	3,713
EMPLOYED - NONAGRICULTURAL INDUSTRIES BOTH SEXES 20 YEARS AND OVER												
1975.....	74,571	74,259	74,243	74,312	74,326	74,486	74,892	75,230	75,062	75,286	75,377	75,659
1976.....	76,169	76,472	76,710	76,935	77,247	77,193	77,462	77,748	77,801	77,802	78,214	78,428
1977.....	78,555	78,748	79,165	79,445	79,766	79,903	80,139	80,337	80,802	80,911	81,490	81,832
1978.....	82,018	82,286	82,471	82,983	83,172	83,409	83,397	83,680	83,947	84,353	84,812	84,820
1979.....	85,137	85,486	85,568	85,398	85,691	85,770	86,286	86,336	86,523	86,612	86,572	86,871
EMPLOYED - NONAGRICULTURAL INDUSTRIES MALES 20 YEARS AND OVER												
1975.....	45,105	44,905	44,766	44,760	44,810	44,780	45,037	45,209	45,050	45,130	45,177	45,319
1976.....	45,553	45,698	45,815	45,999	46,083	45,907	46,108	46,328	46,444	46,464	46,537	46,608
1977.....	46,722	46,800	46,997	47,087	47,099	47,367	47,479	47,587	47,667	47,880	48,146	48,332
1978.....	48,230	48,383	48,457	48,673	48,788	48,859	48,834	48,946	48,922	49,145	49,531	49,474
1979.....	49,721	49,882	49,801	49,754	49,857	49,896	49,998	49,936	50,076	50,072	49,936	50,051
EMPLOYED - NONAGRICULTURAL INDUSTRIES FEMALES 20 YEARS AND OVER												
1975.....	29,466	29,354	29,477	29,552	29,516	29,706	29,855	30,021	30,012	30,156	30,200	30,340
1976.....	30,616	30,774	30,895	30,936	31,164	31,286	31,354	31,420	31,357	31,338	31,677	31,820
1977.....	31,833	31,948	32,168	32,358	32,667	32,536	32,660	32,750	33,135	33,031	33,344	33,500
1978.....	33,788	33,903	34,014	34,310	34,384	34,550	34,563	34,734	35,025	35,208	35,281	35,346
1979.....	35,416	35,604	35,767	35,644	35,834	35,874	36,288	36,400	36,447	36,540	36,636	36,820
EMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	1,380	1,376	1,406	1,420	1,359	1,449	1,377	1,374	1,344	1,287	1,287	1,301
1976.....	1,432	1,357	1,286	1,247	1,363	1,552	1,385	1,397	1,392	1,377	1,376	1,338
1977.....	1,352	1,349	1,349	1,366	1,393	1,317	1,400	1,397	1,382	1,510	1,511	1,481
1978.....	1,464	1,432	1,558	1,648	1,545	1,451	1,435	1,452	1,535	1,511	1,535	1,498
1979.....	1,467	1,466	1,436	1,319	1,427	1,473	1,469	1,437	1,539	1,390	1,330	1,449
EMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	4,992	4,961	4,873	4,700	4,880	4,650	4,828	4,843	4,937	4,953	4,955	4,990
1976.....	4,920	5,094	5,133	5,246	5,154	4,820	5,173	5,181	5,113	5,167	5,138	5,261
1977.....	5,275	5,311	5,369	5,358	5,401	5,464	5,420	5,475	5,436	5,420	5,471	5,539
1978.....	5,507	5,490	5,436	5,344	5,549	5,736	5,671	5,838	5,644	5,668	5,648	5,608
1979.....	5,737	5,668	5,717	5,790	5,652	5,694	5,653	5,486	5,627	5,675	5,738	5,654
EMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	1,223	1,147	1,177	1,191	1,149	1,247	1,198	1,200	1,155	1,207	1,188	1,129
1976.....	1,218	1,187	1,171	1,071	1,219	1,356	1,258	1,273	1,271	1,262	1,271	1,265
1977.....	1,250	1,288	1,259	1,255	1,211	1,213	1,272	1,283	1,295	1,280	1,291	1,304
1978.....	1,277	1,305	1,384	1,520	1,458	1,320	1,319	1,328	1,500	1,493	1,487	1,519
1979.....	1,428	1,427	1,411	1,313	1,402	1,337	1,320	1,323	1,412	1,363	1,364	1,354
EMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	4,225	4,149	4,073	4,102	4,174	4,074	4,126	4,165	4,215	4,104	4,119	4,239
1976.....	4,238	4,317	4,389	4,486	4,454	4,244	4,507	4,335	4,300	4,322	4,372	4,353
1977.....	4,362	4,412	4,455	4,450	4,482	4,709	4,549	4,779	4,589	4,605	4,607	4,651
1978.....	4,656	4,628	4,512	4,574	4,684	4,929	4,843	5,046	4,766	4,822	4,775	4,799
1979.....	4,902	4,912	4,931	4,936	4,729	4,895	4,907	4,822	4,811	4,821	4,909	4,872
EMPLOYED - MARRIED WORKERS SPOUSE PRESENT												
1975.....	57,285	57,190	57,157	57,192	57,205	57,282	57,515	57,585	57,598	57,787	57,782	57,696
1976.....	57,957	57,996	58,122	58,159	58,432	58,450	58,507	58,670	58,588	58,509	58,463	58,597
1977.....	58,653	58,821	59,155	59,377	59,388	59,424	59,294	59,272	59,526	59,639	59,842	60,079
1978.....	60,135	60,224	59,975	60,316	60,375	60,464	60,494	60,366	60,901	61,002	61,250	61,314
1979.....	61,511	61,813	61,798	61,286	61,592	61,743	62,084	62,049	62,135	62,043	61,785	61,951
EMPLOYED - MARRIED MEN, SPOUSE PRESENT												
1975.....	37,912	37,889	37,806	37,813	37,833	37,805	37,933	37,965	37,912	37,973	37,935	37,794
1976.....	37,915	38,004	38,102	38,147	38,146	38,078	38,117	38,190	38,160	38,073	37,948	38,065
1977.....	38,150	38,153	38,265	38,422	38,434	38,534	38,405	38,353	38,373	38,473	38,550	38,664
1978.....	38,592	38,609	38,379	38,579	38,636	38,660	38,650	38,561	38,787	38,808	38,977	39,030
1979.....	39,139	39,291	39,193	38,910	39,045	39,079	39,176	39,180	39,198	39,124	38,845	38,924
EMPLOYED - MARRIED WOMEN, SPOUSE PRESENT												
1975.....	19,373	19,301	19,351	19,379	19,372	19,477	19,582	19,620	19,686	19,814	19,847	19,902
1976.....	20,042	19,992	20,020	20,012	20,286	20,372	20,390	20,480	20,428	20,436	20,515	20,532
1977.....	20,503	20,668	20,890	20,955	20,954	20,890	20,889	20,919	21,153	21,166	21,292	21,415
1978.....	21,543	21,615	21,596	21,737	21,739	21,804	21,844	21,805	22,114	22,194	22,273	22,284
1979.....	22,372	22,522	22,605	22,376	22,547	22,664	22,908	22,869	22,937	22,919	22,940	23,027

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - WOMEN WHO HEAD FAMILIES												
IN THOUSANDS												
1975.....	3,513	3,490	3,505	3,498	3,529	3,552	3,577	3,666	3,597	3,626	3,589	3,622
1976.....	3,679	3,725	3,751	3,757	3,740	3,759	3,767	3,770	3,732	3,814	3,862	3,890
1977.....	3,904	3,876	3,871	3,925	3,949	3,975	3,975	4,017	4,087	4,124	4,164	4,242
1978.....	4,270	4,312	4,340	4,333	4,384	4,409	4,347	4,543	4,462	4,494	4,502	4,464
1979.....	4,486	4,530	4,509	4,513	4,532	4,557	4,618	4,633	4,618	4,617	4,656	4,694
EMPLOYED - WHITE-COLLAR WORKERS												
1975.....	41,950	41,758	41,904	42,100	42,078	42,273	42,421	42,580	42,463	42,461	42,419	42,338
1976.....	42,806	43,090	43,322	43,350	43,671	43,636	43,491	43,844	44,137	44,155	44,360	44,545
1977.....	44,492	44,438	44,409	44,747	44,669	44,854	45,100	45,274	45,584	46,099	46,313	46,269
1978.....	46,502	46,440	46,659	46,708	46,917	47,246	47,237	47,347	47,563	47,799	47,946	48,108
1979.....	48,303	48,836	48,996	49,061	49,136	49,192	49,536	49,663	49,816	49,738	49,912	49,911
EMPLOYED - PROFESSIONAL AND TECHNICAL WORKERS												
1975.....	12,428	12,485	12,672	12,665	12,771	12,645	12,872	12,893	12,819	12,839	12,856	13,068
1976.....	13,164	13,119	13,195	13,005	13,218	13,335	13,208	13,471	13,646	13,435	13,688	13,504
1977.....	13,451	13,449	13,446	13,505	13,431	13,588	13,765	13,730	13,869	14,102	14,035	13,968
1978.....	14,036	13,994	14,027	14,075	14,270	14,290	14,242	14,301	14,221	14,416	14,466	14,645
1979.....	14,734	14,950	15,012	15,091	15,100	15,010	15,057	15,068	15,141	15,057	15,131	15,272
EMPLOYED - MANAGERS AND ADMINISTRATORS, EXCEPT FARM												
1975.....	8,825	8,687	8,761	8,766	8,888	8,954	8,774	9,000	9,101	9,019	9,094	8,825
1976.....	9,007	9,153	9,250	9,412	9,269	9,246	9,239	9,309	9,448	9,410	9,493	9,556
1977.....	9,555	9,478	9,495	9,469	9,491	9,586	9,599	9,674	9,770	9,925	9,934	9,964
1978.....	10,039	10,090	10,127	10,175	10,008	10,117	10,162	10,129	10,078	9,960	10,098	10,284
1979.....	10,312	10,379	10,392	10,398	10,427	10,534	10,612	10,696	10,659	10,639	10,617	10,535
EMPLOYED - SALES WORKERS												
1975.....	5,456	5,458	5,415	5,485	5,483	5,546	5,574	5,499	5,458	5,553	5,328	5,270
1976.....	5,297	5,330	5,391	5,439	5,532	5,481	5,433	5,536	5,581	5,595	5,588	5,742
1977.....	5,660	5,779	5,604	5,739	5,682	5,693	5,704	5,773	5,792	5,743	5,764	5,793
1978.....	5,894	5,790	5,929	5,856	5,912	5,948	5,998	5,938	5,945	5,999	6,127	6,058
1979.....	6,048	6,090	6,055	6,084	6,101	6,103	6,163	6,145	6,181	6,261	6,362	6,346
EMPLOYED - CLERICAL WORKERS												
1975.....	15,241	15,128	15,056	15,184	14,936	15,128	15,201	15,188	15,085	15,050	15,141	15,175
1976.....	15,338	15,488	15,486	15,494	15,652	15,574	15,611	15,528	15,462	15,715	15,591	15,743
1977.....	15,826	15,732	15,864	16,034	16,065	15,987	16,032	16,097	16,153	16,329	16,580	16,544
1978.....	16,533	16,566	16,576	16,602	16,727	16,891	16,835	16,979	17,319	17,424	17,255	17,121
1979.....	17,209	17,417	17,537	17,488	17,508	17,545	17,704	17,752	17,835	17,781	17,802	17,758
EMPLOYED - BLUE-COLLAR WORKERS												
1975.....	28,194	27,985	27,684	27,726	27,700	27,649	27,696	28,060	28,021	28,174	28,194	28,500
1976.....	28,605	28,713	28,771	28,993	28,958	29,001	29,174	28,960	28,847	29,114	29,180	29,217
1977.....	29,478	29,782	29,948	30,054	30,305	30,254	30,173	30,299	30,407	30,329	30,574	30,911
1978.....	30,703	31,031	31,067	31,567	31,538	31,596	31,347	31,574	31,827	31,980	32,147	31,966
1979.....	32,290	32,176	32,041	31,705	31,904	31,992	32,051	31,849	32,209	32,205	32,110	32,302
EMPLOYED - CRAFT AND KINDRED WORKERS												
1975.....	10,913	10,962	10,825	10,889	10,863	10,894	10,949	11,054	10,890	11,103	11,016	11,303
1976.....	11,174	11,261	11,190	11,153	11,252	11,233	11,329	11,253	11,327	11,414	11,398	11,352
1977.....	11,571	11,611	11,773	11,854	11,902	11,836	11,892	11,900	11,948	11,906	12,099	12,279
1978.....	12,082	12,159	12,173	12,284	12,250	12,387	12,246	12,560	12,581	12,567	12,659	12,666
1979.....	12,807	12,898	12,792	12,703	12,820	12,944	12,876	12,761	12,993	13,001	12,925	13,041
EMPLOYED - OPERATIVES, EXCEPT TRANSPORT												
1975.....	9,780	9,641	9,460	9,585	9,495	9,405	9,417	9,613	9,778	9,764	9,836	9,894
1976.....	10,049	10,024	9,995	10,143	10,133	10,218	10,178	10,086	9,935	10,008	10,040	10,246
1977.....	10,219	10,294	10,388	10,353	10,470	10,325	10,332	10,335	10,355	10,355	10,415	10,442
1978.....	10,588	10,659	10,701	10,976	10,876	10,962	10,899	10,760	10,958	11,159	11,101	10,868
1979.....	10,958	10,901	10,991	10,770	10,755	10,804	10,884	10,909	10,964	10,967	10,963	11,042
EMPLOYED - TRANSPORT EQUIPMENT OPERATIVES												
1975.....	3,283	3,219	3,230	3,210	3,181	3,170	3,202	3,290	3,211	3,244	3,225	3,181
1976.....	3,174	3,213	3,226	3,278	3,266	3,322	3,305	3,301	3,269	3,325	3,271	3,305
1977.....	3,364	3,429	3,465	3,454	3,508	3,498	3,443	3,501	3,531	3,469	3,511	3,539
1978.....	3,425	3,619	3,535	3,553	3,493	3,511	3,496	3,458	3,571	3,605	3,622	3,613
1979.....	3,651	3,602	3,569	3,564	3,644	3,605	3,627	3,604	3,617	3,593	3,628	3,635
EMPLOYED - NONFARM LABORERS												
1975.....	4,218	4,163	4,169	4,042	4,161	4,180	4,128	4,103	4,142	4,063	4,117	4,122
1976.....	4,208	4,215	4,360	4,419	4,307	4,228	4,362	4,320	4,316	4,367	4,471	4,314
1977.....	4,324	4,448	4,322	4,393	4,425	4,595	4,506	4,563	4,573	4,599	4,549	4,651
1978.....	4,608	4,594	4,658	4,754	4,919	4,736	4,706	4,796	4,717	4,649	4,765	4,819
1979.....	4,874	4,775	4,689	4,668	4,685	4,639	4,664	4,575	4,635	4,644	4,594	4,584
EMPLOYED - SERVICE WORKERS												
1975.....	11,637	11,668	11,642	11,494	11,508	11,549	11,630	11,587	11,675	11,778	11,840	11,874
1976.....	11,926	11,902	11,858	11,948	12,013	11,944	12,145	12,220	12,132	12,002	12,017	11,928
1977.....	11,887	12,090	12,336	12,289	12,352	12,551	12,428	12,532	12,566	12,464	12,563	12,613
1978.....	12,710	12,749	12,659	12,824	12,861	12,855	12,854	12,898	12,811	12,917	12,981	12,942
1979.....	12,817	12,804	12,847	12,907	12,772	12,805	12,766	12,621	12,859	12,937	12,899	12,970

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - PRIVATE HOUSEHOLD WORKERS												
IN THOUSANDS												
1975.....	1,180	1,175	1,205	1,173	1,208	1,250	1,140	1,195	1,127	1,170	1,109	1,114
1976.....	1,075	1,056	1,109	1,118	1,118	1,146	1,125	1,119	1,158	1,147	1,186	1,128
1977.....	1,167	1,147	1,116	1,126	1,112	1,162	1,185	1,178	1,155	1,157	1,177	1,200
1978.....	1,199	1,184	1,140	1,244	1,204	1,151	1,172	1,136	1,160	1,129	1,121	1,113
1979.....	1,080	1,131	1,091	1,024	1,056	1,086	1,076	1,102	1,160	1,101	1,070	1,076
EMPLOYED - OTHER SERVICE WORKERS												
1975.....	10,457	10,493	10,437	10,321	10,300	10,299	10,490	10,392	10,548	10,608	10,731	10,760
1976.....	10,851	10,846	10,749	10,830	10,895	10,798	11,020	11,101	10,974	10,855	10,831	10,800
1977.....	10,720	10,943	11,220	11,163	11,240	11,389	11,243	11,354	11,411	11,307	11,386	11,413
1978.....	11,511	11,565	11,519	11,580	11,657	11,704	11,682	11,762	11,651	11,788	11,860	11,829
1979.....	11,737	11,673	11,756	11,883	11,716	11,719	11,690	11,519	11,699	11,836	11,829	11,894
EMPLOYED - FARM WORKERS												
1975.....	2,944	2,891	2,885	2,832	3,070	2,941	2,997	2,948	3,024	2,943	2,843	2,799
1976.....	2,863	2,834	2,794	2,935	2,827	2,796	2,851	2,879	2,768	2,798	2,742	2,771
1977.....	2,660	2,720	2,695	2,807	2,893	2,805	2,735	2,734	2,665	2,743	2,799	2,771
1978.....	2,863	2,784	2,773	2,753	2,730	2,874	2,814	2,798	2,843	2,816	2,701	2,802
1979.....	2,764	2,746	2,774	2,659	2,628	2,679	2,678	2,707	2,722	2,695	2,718	2,694
EMPLOYED - FARMERS AND FARM MANAGERS												
1975.....	1,571	1,636	1,621	1,610	1,638	1,598	1,590	1,557	1,616	1,579	1,554	1,538
1976.....	1,552	1,518	1,494	1,539	1,537	1,534	1,552	1,537	1,455	1,501	1,488	1,439
1977.....	1,420	1,444	1,459	1,471	1,527	1,483	1,449	1,462	1,416	1,438	1,467	1,463
1978.....	1,523	1,459	1,447	1,447	1,463	1,541	1,493	1,470	1,481	1,485	1,454	1,485
1979.....	1,463	1,457	1,468	1,431	1,375	1,415	1,433	1,462	1,481	1,465	1,461	1,444
EMPLOYED - FARM LABORERS AND SUPERVISORS												
1975.....	1,373	1,255	1,264	1,222	1,432	1,343	1,407	1,391	1,408	1,364	1,289	1,261
1976.....	1,311	1,316	1,300	1,396	1,290	1,262	1,299	1,342	1,313	1,297	1,254	1,332
1977.....	1,240	1,276	1,236	1,336	1,366	1,322	1,286	1,272	1,249	1,305	1,332	1,308
1978.....	1,340	1,325	1,326	1,306	1,267	1,333	1,321	1,328	1,362	1,331	1,247	1,317
1979.....	1,301	1,289	1,306	1,228	1,253	1,264	1,245	1,245	1,241	1,230	1,257	1,250
EMPLOYED - WAGE AND SALARY WORKERS												
1975.....	76,418	76,144	75,970	75,897	76,127	76,344	76,672	77,056	76,934	77,148	76,735	77,389
1976.....	77,957	78,282	78,756	79,047	79,343	79,320	79,717	79,844	79,737	79,860	80,044	80,351
1977.....	80,434	80,675	81,116	81,454	81,713	82,044	82,229	82,411	82,678	83,129	83,646	83,983
1978.....	84,222	84,279	84,417	84,955	85,534	85,907	85,615	86,095	86,255	86,719	87,029	86,908
1979.....	87,416	87,617	87,854	87,484	87,656	87,732	87,873	87,805	88,311	88,363	88,495	88,835
EMPLOYED - WAGE AND SALARY WORKERS IN AGRICULTURAL INDUSTRIES												
1975.....	1,281	1,216	1,213	1,169	1,297	1,276	1,355	1,336	1,328	1,288	1,278	1,249
1976.....	1,312	1,323	1,338	1,355	1,289	1,293	1,324	1,334	1,302	1,301	1,279	1,375
1977.....	1,265	1,305	1,295	1,311	1,314	1,346	1,299	1,325	1,341	1,391	1,392	1,362
1978.....	1,414	1,360	1,394	1,420	1,423	1,429	1,395	1,440	1,448	1,429	1,402	1,447
1979.....	1,387	1,425	1,415	1,379	1,424	1,423	1,419	1,384	1,399	1,381	1,475	1,451
EMPLOYED - SELF-EMPLOYED WORKERS IN AGRICULTURAL INDUSTRIES												
1975.....	1,692	1,775	1,746	1,744	1,752	1,723	1,699	1,674	1,749	1,678	1,669	1,670
1976.....	1,667	1,635	1,609	1,660	1,672	1,662	1,672	1,671	1,596	1,641	1,605	1,530
1977.....	1,512	1,548	1,546	1,576	1,668	1,587	1,546	1,566	1,547	1,545	1,583	1,592
1978.....	1,619	1,601	1,543	1,571	1,602	1,678	1,647	1,597	1,620	1,627	1,554	1,608
1979.....	1,564	1,558	1,583	1,553	1,519	1,539	1,558	1,614	1,642	1,602	1,622	1,596
EMPLOYED - UNPAID-FAMILY WORKERS IN AGRICULTURAL INDUSTRIES												
1975.....	384	371	380	362	446	372	389	395	406	408	358	308
1976.....	339	323	310	380	346	332	326	356	345	346	348	336
1977.....	352	348	331	385	381	365	350	318	276	305	372	342
1978.....	339	311	375	303	259	327	339	318	304	324	290	312
1979.....	295	334	314	291	283	291	291	310	325	313	310	310
EMPLOYED - PRIVATE WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	60,800	60,558	60,390	60,237	60,377	60,513	60,594	60,994	61,111	61,425	60,833	61,422
1976.....	61,880	62,070	62,414	62,857	63,168	63,064	63,408	63,292	63,333	63,692	63,782	64,059
1977.....	64,149	64,423	64,810	65,153	65,296	65,641	65,745	65,867	66,109	66,399	66,913	67,264
1978.....	67,506	67,652	67,770	68,212	68,888	69,176	69,025	69,359	69,502	70,015	70,276	70,135
1979.....	70,778	70,870	71,158	70,746	70,616	70,991	71,061	71,142	71,505	71,559	71,662	71,987
EMPLOYED - SELF-EMPLOYED WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	5,586	5,439	5,568	5,640	5,534	5,616	5,647	5,631	5,630	5,600	5,972	5,660
1976.....	5,685	5,678	5,615	5,597	5,720	5,656	5,647	5,666	5,737	5,689	5,800	5,789
1977.....	5,824	5,828	5,879	5,927	5,993	6,025	5,907	6,162	6,127	6,120	6,105	6,181
1978.....	6,216	6,230	6,362	6,442	6,259	6,235	6,214	6,252	6,258	6,316	6,391	6,506
1979.....	6,497	6,591	6,542	6,463	6,608	6,629	6,752	6,689	6,731	6,812	6,781	6,737
EMPLOYED - UNPAID-FAMILY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	527	482	469	467	485	405	421	473	486	487	553	506
1976.....	513	476	438	460	437	450	440	460	434	469	461	481
1977.....	422	507	520	491	513	513	512	492	504	474	487	461
1978.....	451	483	495	494	492	459	479	453	467	459	462	469
1979.....	475	455	446	465	460	474	519	450	449	430	417	409

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - PERSONS AT WORK IN NONAGRICULTURAL INDUSTRIES												
IN THOUSANDS												
1975.....	76,666	76,033	75,888	76,631	75,876	76,238	75,022	76,318	76,663	76,887	77,068	77,352
1976.....	78,479	78,346	78,228	77,765	78,847	79,358	78,968	78,844	79,734	79,651	79,993	80,252
1977.....	79,963	80,848	81,228	81,216	81,611	81,614	82,227	82,383	82,741	82,906	83,505	83,607
1978.....	83,575	84,054	84,353	86,055	85,455	85,930	85,857	86,115	86,233	86,629	86,819	87,050
1979.....	87,520	87,543	87,847	86,608	87,785	87,749	88,769	88,855	88,723	88,638	88,617	89,180
EMPLOYED - NONAGRICULTURAL WORKERS ON FULL-TIME SCHEDULES												
1975.....	62,447	62,024	61,714	62,228	61,830	61,821	60,794	62,235	62,869	62,954	63,172	63,636
1976.....	64,213	64,359	64,414	63,994	64,744	64,814	64,938	64,616	65,088	65,173	65,528	65,806
1977.....	65,713	66,126	66,522	66,642	67,047	67,069	67,460	67,625	67,877	67,946	68,438	68,649
1978.....	68,840	69,191	69,435	70,575	70,102	70,741	70,754	71,070	70,989	71,352	71,534	71,903
1979.....	72,176	72,212	72,529	71,659	72,496	72,243	72,915	73,053	73,159	73,204	72,997	73,137
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS												
1975.....	3,674	3,603	3,740	3,774	3,667	3,460	3,389	3,341	3,293	3,328	3,283	3,249
1976.....	3,369	3,227	3,187	3,200	3,273	3,109	3,157	3,184	3,356	3,425	3,485	3,404
1977.....	3,324	3,473	3,299	3,156	3,260	3,302	3,409	3,230	3,307	3,277	3,287	3,234
1978.....	3,071	3,227	3,204	3,281	3,226	3,329	3,266	3,256	3,248	3,231	3,163	3,082
1979.....	3,203	3,176	3,211	3,279	3,283	3,284	3,274	3,298	3,167	3,315	3,392	3,519
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS - USUALLY WORK FULL TIME												
1975.....	1,971	1,931	1,863	1,836	1,696	1,551	1,546	1,457	1,413	1,450	1,391	1,334
1976.....	1,413	1,326	1,256	1,340	1,414	1,272	1,270	1,312	1,353	1,335	1,259	1,239
1977.....	1,187	1,396	1,247	1,201	1,289	1,262	1,383	1,151	1,225	1,258	1,227	1,245
1978.....	1,136	1,187	1,254	1,247	1,232	1,336	1,305	1,293	1,297	1,206	1,276	1,202
1979.....	1,252	1,286	1,254	1,287	1,273	1,322	1,334	1,401	1,273	1,354	1,413	1,491
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS - USUALLY WORK PART TIME												
1975.....	1,703	1,672	1,877	1,938	1,971	1,909	1,843	1,884	1,880	1,878	1,892	1,915
1976.....	1,956	1,901	1,931	1,860	1,859	1,837	1,887	1,872	2,003	2,090	2,226	2,165
1977.....	2,137	2,077	2,052	1,955	1,971	2,040	2,026	2,079	2,082	2,019	2,060	1,989
1978.....	1,935	2,040	1,950	2,034	1,994	1,993	1,961	1,963	1,951	2,025	1,887	1,880
1979.....	1,951	1,930	1,957	1,992	2,010	1,962	1,940	1,897	1,894	1,961	1,979	2,028
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR NONECONOMIC REASONS - USUALLY WORK PART TIME												
1975.....	10,545	10,406	10,434	10,629	10,379	10,957	10,839	10,742	10,501	10,605	10,613	10,467
1976.....	10,897	10,760	10,627	10,571	10,830	11,435	10,873	11,044	11,290	11,053	10,980	11,042
1977.....	10,926	11,249	11,407	11,418	11,304	11,243	11,358	11,528	11,557	11,683	11,780	11,724
1978.....	11,664	11,636	11,714	12,199	12,127	11,860	11,837	11,789	11,996	12,046	12,122	12,065
1979.....	12,141	12,155	12,107	11,670	12,006	12,222	12,580	12,504	12,397	12,119	12,228	12,524
EMPLOYMENT-POPULATION RATIO - ALL CIVILIAN WORKERS												
1975.....	55.6	55.3	55.2	55.1	55.1	55.0	55.2	55.4	55.3	55.3	55.2	55.3
1976.....	55.7	55.8	55.9	56.1	56.2	56.0	56.2	56.2	56.1	56.1	56.2	56.3
1977.....	56.3	56.5	56.7	56.9	57.1	57.1	57.1	57.2	57.3	57.4	57.8	58.0
1978.....	58.0	58.0	58.1	58.4	58.6	58.8	58.6	58.8	58.8	59.0	59.1	59.1
1979.....	59.2	59.3	59.3	59.0	59.1	59.1	59.4	59.2	59.4	59.3	59.3	59.4
EMPLOYMENT-POPULATION RATIO - MALES 20 YEARS AND OVER												
1975.....	73.7	73.3	73.0	72.8	72.8	72.6	72.9	73.0	72.7	72.6	72.6	72.6
1976.....	72.9	73.0	73.1	73.4	73.4	73.0	73.2	73.4	73.3	73.3	73.2	73.1
1977.....	73.2	73.2	73.4	73.5	73.5	73.7	73.7	73.8	73.8	74.0	74.3	74.4
1978.....	74.3	74.3	74.3	74.5	74.6	74.7	74.5	74.5	74.4	74.6	74.9	74.8
1979.....	75.0	75.1	74.9	74.7	74.7	74.7	74.8	74.6	74.7	74.5	74.3	74.3
EMPLOYMENT-POPULATION RATIO - FEMALES 20 YEARS AND OVER												
1975.....	42.1	41.9	42.0	42.0	42.0	42.2	42.3	42.5	42.4	42.5	42.5	42.6
1976.....	43.0	43.0	43.2	43.3	43.5	43.5	43.6	43.7	43.5	43.5	43.8	44.0
1977.....	43.9	44.0	44.2	44.5	44.9	44.6	44.7	44.7	45.1	45.0	45.4	45.5
1978.....	45.8	45.9	46.0	46.4	46.3	46.5	46.5	46.6	46.9	47.1	47.1	47.2
1979.....	47.2	47.4	47.5	47.3	47.4	47.4	47.9	48.0	48.0	47.9	48.0	48.2
EMPLOYMENT-POPULATION RATIO - BOTH SEXES 16-19 YEARS												
1975.....	43.2	42.6	42.3	42.0	42.6	41.6	42.0	41.8	42.6	42.1	42.2	42.3
1976.....	42.8	43.0	43.2	43.6	44.0	42.9	44.3	43.4	43.0	43.3	43.1	43.0
1977.....	43.2	44.2	44.4	44.8	44.8	45.4	45.5	46.3	45.1	46.1	46.6	46.9
1978.....	46.7	46.1	46.1	46.8	47.8	48.5	47.9	48.8	48.0	48.3	48.1	48.0
1979.....	48.6	48.4	48.5	47.8	47.5	47.9	47.9	46.2	47.9	47.5	48.0	48.3
EMPLOYMENT-POPULATION RATIO - WHITE WORKERS												
1975.....	56.3	56.0	55.9	55.8	55.8	55.7	55.9	56.1	56.0	56.0	55.9	56.0
1976.....	56.4	56.5	56.5	56.7	56.9	56.8	57.0	57.0	56.9	56.9	57.0	57.1
1977.....	57.0	57.3	57.5	57.7	57.9	57.9	57.9	58.1	58.2	58.4	58.7	58.7
1978.....	58.8	58.8	58.8	59.2	59.3	59.5	59.3	59.5	59.5	59.7	59.8	59.8
1979.....	60.0	60.2	60.1	59.9	59.9	59.9	60.1	59.9	60.2	60.1	60.1	60.2
EMPLOYMENT-POPULATION RATIO - BLACK AND OTHER WORKERS												
1975.....	50.6	50.3	49.9	49.6	49.9	49.9	50.0	50.0	50.1	50.1	50.1	49.9
1976.....	50.3	50.3	50.9	51.0	51.0	50.1	50.6	50.6	50.5	50.4	51.0	50.7
1977.....	50.8	50.8	50.8	50.9	50.9	51.2	50.8	50.7	51.0	50.9	51.4	52.6
1978.....	52.4	52.9	52.9	53.0	53.2	53.4	53.2	53.5	53.8	53.8	53.7	53.6
1979.....	53.4	53.4	53.8	53.2	53.3	53.5	54.1	53.8	54.0	53.9	53.7	53.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - ALL CIVILIAN WORKERS												
IN THOUSANDS												
1975.....	7,397	7,424	7,870	8,106	8,398	8,137	8,033	7,831	7,841	7,792	7,667	7,614
1976.....	7,405	7,196	7,101	7,211	7,000	7,233	7,393	7,407	7,286	7,306	7,468	7,372
1977.....	7,122	7,266	7,147	6,933	6,864	7,046	6,741	6,801	6,635	6,622	6,638	6,169
1978.....	6,305	6,088	6,153	6,056	6,126	5,902	6,228	5,929	5,971	5,788	5,882	5,984
1979.....	5,904	5,883	5,882	5,944	5,903	5,824	5,909	6,124	5,990	6,121	6,044	6,087
UNEMPLOYED - MALES												
1975.....	4,016	4,112	4,366	4,560	4,695	4,652	4,585	4,401	4,485	4,369	4,317	4,189
1976.....	4,067	3,891	3,858	3,942	3,872	4,010	3,997	3,913	3,950	3,957	4,101	4,049
1977.....	3,826	3,932	3,755	3,616	3,678	3,684	3,521	3,558	3,356	3,438	3,324	3,138
1978.....	3,228	3,196	3,212	3,087	3,050	2,882	2,994	2,944	2,967	2,969	2,917	3,035
1979.....	2,997	2,958	2,972	2,999	2,941	2,893	3,027	3,083	3,098	3,098	3,124	3,089
UNEMPLOYED - FEMALES												
1975.....	3,381	3,312	3,504	3,546	3,703	3,485	3,448	3,430	3,356	3,423	3,350	3,425
1976.....	3,338	3,305	3,243	3,269	3,128	3,223	3,396	3,494	3,336	3,349	3,367	3,323
1977.....	3,296	3,334	3,392	3,317	3,186	3,362	3,220	3,243	3,279	3,184	3,314	3,031
1978.....	3,077	2,892	2,941	2,969	3,076	3,020	3,234	2,985	3,004	2,819	2,965	2,949
1979.....	2,907	2,925	2,910	2,945	2,962	2,931	2,882	3,041	2,892	3,023	2,920	2,998
UNEMPLOYED - BOTH SEXES 16-19 YEARS												
1975.....	1,729	1,696	1,745	1,730	1,809	1,830	1,825	1,817	1,723	1,736	1,656	1,738
1976.....	1,735	1,692	1,681	1,764	1,684	1,648	1,669	1,781	1,652	1,697	1,717	1,692
1977.....	1,685	1,670	1,701	1,648	1,641	1,778	1,630	1,643	1,656	1,600	1,621	1,423
1978.....	1,554	1,601	1,603	1,563	1,553	1,456	1,613	1,533	1,550	1,542	1,557	1,574
1979.....	1,542	1,543	1,506	1,555	1,565	1,459	1,495	1,534	1,544	1,554	1,512	1,527
UNEMPLOYED - MALES 16-19 YEARS												
1975.....	938	938	942	978	964	1,060	1,018	991	928	931	888	909
1976.....	969	909	907	996	949	880	904	913	907	941	945	916
1977.....	861	883	891	848	872	947	860	884	863	832	839	749
1978.....	791	835	833	813	772	711	804	767	787	830	807	837
1979.....	830	820	808	809	811	724	773	797	816	781	789	786
UNEMPLOYED - FEMALES 16-19 YEARS												
1975.....	791	758	803	752	845	770	807	826	795	805	768	829
1976.....	766	783	774	768	735	768	765	868	745	756	772	776
1977.....	824	787	810	800	769	831	770	759	793	768	782	674
1978.....	763	766	770	750	781	745	809	766	763	712	750	737
1979.....	712	723	698	746	754	735	722	737	728	773	723	741
UNEMPLOYED - BOTH SEXES 20 YEARS AND OVER												
1975.....	5,668	5,728	6,125	6,376	6,589	6,307	6,208	6,014	6,118	6,056	6,011	5,876
1976.....	5,670	5,504	5,420	5,447	5,316	5,585	5,724	5,626	5,634	5,609	5,751	5,680
1977.....	5,437	5,596	5,446	5,285	5,223	5,268	5,111	5,158	4,979	5,022	5,017	4,746
1978.....	4,751	4,487	4,550	4,493	4,573	4,446	4,615	4,396	4,421	4,246	4,325	4,410
1979.....	4,362	4,340	4,376	4,389	4,338	4,365	4,414	4,590	4,446	4,567	4,532	4,560
UNEMPLOYED - MALES 20 YEARS AND OVER												
1975.....	3,078	3,174	3,424	3,582	3,731	3,592	3,567	3,410	3,557	3,438	3,429	3,280
1976.....	3,098	2,982	2,951	2,946	2,923	3,130	3,093	3,000	3,043	3,016	3,156	3,133
1977.....	2,965	3,049	2,864	2,768	2,806	2,737	2,661	2,674	2,493	2,606	2,485	2,389
1978.....	2,437	2,361	2,379	2,274	2,278	2,171	2,190	2,177	2,180	2,139	2,110	2,198
1979.....	2,167	2,138	2,164	2,190	2,130	2,169	2,254	2,286	2,282	2,317	2,335	2,303
UNEMPLOYED - FEMALES 20 YEARS AND OVER												
1975.....	2,590	2,554	2,701	2,794	2,858	2,715	2,641	2,604	2,561	2,618	2,582	2,596
1976.....	2,572	2,522	2,469	2,501	2,393	2,455	2,631	2,626	2,591	2,593	2,595	2,547
1977.....	2,472	2,547	2,582	2,517	2,417	2,531	2,450	2,484	2,486	2,416	2,532	2,357
1978.....	2,314	2,126	2,171	2,219	2,295	2,275	2,425	2,219	2,241	2,107	2,215	2,212
1979.....	2,195	2,202	2,212	2,199	2,208	2,196	2,160	2,304	2,164	2,250	2,197	2,257
UNEMPLOYED - BOTH SEXES 20-24 YEARS												
1975.....	1,634	1,745	1,846	1,940	2,005	1,784	1,896	1,829	1,903	1,849	1,829	1,749
1976.....	1,726	1,626	1,631	1,676	1,607	1,660	1,625	1,668	1,629	1,743	1,743	1,705
1977.....	1,622	1,700	1,616	1,573	1,579	1,581	1,555	1,622	1,551	1,517	1,510	1,453
1978.....	1,554	1,476	1,492	1,492	1,354	1,410	1,487	1,339	1,395	1,305	1,365	1,364
1979.....	1,322	1,315	1,346	1,316	1,355	1,359	1,386	1,415	1,413	1,470	1,346	1,505
UNEMPLOYED - MALES 20-24 YEARS												
1975.....	915	975	1,058	1,150	1,148	1,050	1,118	1,083	1,154	1,088	1,046	975
1976.....	951	889	894	895	892	937	924	909	896	971	962	966
1977.....	881	927	864	857	855	847	834	907	827	786	777	742
1978.....	827	795	793	756	655	699	712	708	699	693	702	700
1979.....	686	664	678	659	674	682	723	724	734	789	692	782
UNEMPLOYED - FEMALES 20-24 YEARS												
1975.....	719	770	788	790	857	734	778	746	749	761	783	774
1976.....	775	737	737	781	715	723	701	759	733	772	781	739
1977.....	741	773	752	716	724	734	721	715	724	731	733	711
1978.....	727	681	699	736	699	711	775	631	696	612	663	664
1979.....	636	651	668	657	681	677	663	691	679	681	654	723

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BOTH SEXES 25 YEARS AND OVER												
IN THOUSANDS												
1975.....	3,981	3,926	4,222	4,448	4,587	4,537	4,393	4,201	4,306	4,319	4,160	4,085
1976.....	3,896	3,827	3,748	3,784	3,719	3,921	4,175	3,964	4,070	3,949	3,983	3,938
1977.....	3,782	3,863	3,801	3,718	3,659	3,680	3,606	3,527	3,454	3,559	3,486	3,272
1978.....	3,183	3,002	3,049	3,011	3,235	3,024	3,153	3,044	3,036	2,981	2,943	3,029
1979.....	3,032	3,021	3,025	3,071	2,997	3,005	3,041	3,155	3,036	3,140	3,168	3,040
UNEMPLOYED - MALES 25 YEARS AND OVER												
1975.....	2,117	2,140	2,315	2,445	2,564	2,542	2,484	2,374	2,491	2,474	2,366	2,268
1976.....	2,108	2,042	2,019	2,056	2,020	2,189	2,197	2,129	2,212	2,129	2,182	2,138
1977.....	2,059	2,084	1,974	1,912	1,943	1,881	1,842	1,791	1,694	1,872	1,704	1,628
1978.....	1,602	1,549	1,577	1,518	1,620	1,463	1,482	1,484	1,492	1,484	1,407	1,481
1979.....	1,479	1,463	1,479	1,525	1,451	1,483	1,531	1,575	1,552	1,565	1,642	1,505
UNEMPLOYED - FEMALES 25 YEARS AND OVER												
1975.....	1,864	1,786	1,907	2,003	2,023	1,995	1,909	1,827	1,815	1,845	1,794	1,817
1976.....	1,788	1,785	1,729	1,728	1,699	1,732	1,978	1,835	1,858	1,820	1,801	1,800
1977.....	1,723	1,779	1,827	1,806	1,716	1,799	1,764	1,736	1,760	1,687	1,782	1,644
1978.....	1,581	1,453	1,472	1,493	1,615	1,561	1,671	1,560	1,544	1,497	1,536	1,548
1979.....	1,553	1,558	1,546	1,546	1,546	1,522	1,510	1,580	1,484	1,575	1,526	1,535
UNEMPLOYED - BOTH SEXES 25-54 YEARS												
1975.....	3,356	3,304	3,564	3,747	3,863	3,840	3,672	3,588	3,636	3,636	3,489	3,407
1976.....	3,219	3,198	3,079	3,125	3,093	3,243	3,458	3,314	3,406	3,322	3,343	3,371
1977.....	3,160	3,210	3,198	3,122	3,050	3,118	3,022	2,996	2,892	2,962	2,884	2,722
1978.....	2,663	2,537	2,602	2,537	2,748	2,550	2,676	2,625	2,592	2,537	2,501	2,618
1979.....	2,590	2,581	2,572	2,606	2,520	2,562	2,567	2,697	2,647	2,698	2,744	2,650
UNEMPLOYED - MALES 25-54 YEARS												
1975.....	1,747	1,769	1,917	2,007	2,130	2,131	2,078	2,010	2,072	2,050	1,972	1,862
1976.....	1,717	1,664	1,601	1,650	1,618	1,757	1,835	1,743	1,816	1,750	1,817	1,806
1977.....	1,681	1,686	1,603	1,562	1,576	1,569	1,531	1,488	1,366	1,510	1,373	1,303
1978.....	1,303	1,261	1,289	1,208	1,300	1,174	1,200	1,238	1,255	1,224	1,176	1,248
1979.....	1,219	1,206	1,219	1,237	1,173	1,201	1,252	1,299	1,327	1,322	1,405	1,282
UNEMPLOYED - FEMALES 25-54 YEARS												
1975.....	1,609	1,535	1,647	1,740	1,733	1,709	1,594	1,578	1,564	1,586	1,517	1,545
1976.....	1,502	1,534	1,478	1,475	1,475	1,486	1,623	1,571	1,590	1,572	1,526	1,565
1977.....	1,479	1,524	1,595	1,560	1,474	1,549	1,491	1,508	1,526	1,452	1,511	1,419
1978.....	1,360	1,276	1,313	1,329	1,448	1,376	1,476	1,387	1,337	1,313	1,325	1,370
1979.....	1,371	1,375	1,353	1,369	1,347	1,361	1,315	1,398	1,320	1,376	1,339	1,368
UNEMPLOYED - MALES 25-34 YEARS												
1975.....	845	897	957	1,002	1,020	1,057	1,018	945	1,010	966	972	917
1976.....	865	864	811	840	860	911	931	894	922	911	949	911
1977.....	879	879	843	862	851	849	872	833	795	868	769	715
1978.....	719	680	679	664	664	592	616	638	632	652	626	659
1979.....	636	649	665	649	627	624	647	679	647	664	738	679
UNEMPLOYED - FEMALES 25-34 YEARS												
1975.....	752	707	777	812	853	839	797	766	757	764	728	744
1976.....	747	757	736	710	745	768	800	814	818	803	773	796
1977.....	748	782	796	821	729	765	733	733	745	743	748	736
1978.....	665	628	706	720	742	701	752	727	716	661	701	720
1979.....	732	734	710	714	710	737	699	725	683	727	715	707
UNEMPLOYED - MALES 35-44 YEARS												
1975.....	451	459	513	539	567	525	515	509	492	494	505	472
1976.....	434	428	389	407	376	429	467	447	472	440	424	423
1977.....	396	415	407	358	386	385	372	348	314	352	337	297
1978.....	299	297	328	307	335	317	302	320	298	295	276	313
1979.....	314	288	285	309	287	293	315	328	393	356	384	359
UNEMPLOYED - FEMALES 35-44 YEARS												
1975.....	469	444	452	505	442	451	386	435	438	456	429	429
1976.....	406	419	413	435	403	405	427	413	423	421	407	430
1977.....	386	416	415	398	410	424	431	424	432	398	424	391
1978.....	405	375	360	340	419	385	408	385	366	373	379	382
1979.....	386	368	372	363	377	373	352	415	376	384	355	388
UNEMPLOYED - MALES 45-54 YEARS												
1975.....	451	413	447	466	543	549	545	556	570	590	495	473
1976.....	418	372	401	403	382	417	437	402	422	399	444	472
1977.....	406	392	353	342	339	335	287	307	257	290	267	291
1978.....	285	284	282	237	301	265	282	280	325	277	274	276
1979.....	269	269	269	279	259	284	290	292	287	302	283	244
UNEMPLOYED - FEMALES 45-54 YEARS												
1975.....	388	384	418	423	438	419	411	377	369	366	360	372
1976.....	349	358	329	330	327	313	396	344	349	348	346	339
1977.....	345	326	384	341	335	360	327	351	349	311	339	292
1978.....	290	273	247	269	287	290	316	275	255	279	245	268
1979.....	253	273	271	292	260	251	264	258	261	265	269	273

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BOTH SEXES 55-64 YEARS												
IN THOUSANDS												
1975.....	473	493	509	534	527	535	539	513	513	543	507	508
1976.....	489	490	508	521	477	528	533	536	530	502	481	462
1977.....	459	499	463	452	448	417	425	406	432	459	422	413
1978.....	383	360	332	333	326	325	329	309	347	353	326	317
1979.....	338	325	342	338	359	337	380	358	313	346	323	313
UNEMPLOYED - MALES 55-64 YEARS												
1975.....	273	283	295	308	314	299	307	306	307	307	303	305
1976.....	279	282	307	303	293	325	289	312	308	291	283	263
1977.....	264	287	266	251	251	223	226	221	238	275	231	238
1978.....	214	209	200	206	202	194	203	164	179	211	175	170
1979.....	198	182	181	185	193	210	241	216	177	184	188	178
UNEMPLOYED - FEMALES 55-64 YEARS												
1975.....	200	210	214	226	213	236	232	207	206	236	204	203
1976.....	210	208	201	218	184	203	244	224	222	211	198	199
1977.....	195	212	197	201	197	194	199	185	194	184	191	175
1978.....	169	151	132	127	124	131	126	145	168	142	151	147
1979.....	140	143	161	153	166	127	139	142	136	162	135	135
UNEMPLOYED - BOTH SEXES 65 YEARS AND OVER												
1975.....	125	143	143	172	187	163	158	153	134	152	164	197
1976.....	170	152	164	133	138	149	164	144	135	137	149	126
1977.....	150	161	148	142	144	136	141	135	142	149	158	151
1978.....	135	110	125	142	143	139	142	118	125	99	96	107
1979.....	106	117	118	118	106	97	98	109	109	103	80	87
UNEMPLOYED - MALES 65 YEARS AND OVER												
1975.....	84	95	96	118	110	112	108	99	97	105	109	112
1976.....	105	103	108	85	94	102	83	96	87	88	97	80
1977.....	110	113	103	86	94	80	93	85	95	96	104	95
1978.....	86	76	83	94	93	89	97	87	79	58	58	70
1979.....	64	69	72	87	65	66	61	67	77	70	49	53
UNEMPLOYED - FEMALES 65 YEARS AND OVER												
1975.....	41	48	47	54	77	51	50	54	37	47	55	85
1976.....	65	49	56	48	44	47	81	48	48	49	52	46
1977.....	40	48	45	56	50	56	48	50	47	53	54	56
1978.....	49	34	42	48	50	50	45	31	46	41	38	37
1979.....	42	48	46	31	41	31	37	42	32	33	31	34
UNEMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	382	393	352	408	387	388	347	340	371	364	353	372
1976.....	432	383	380	373	409	404	355	361	343	392	439	388
1977.....	340	394	411	350	371	358	363	373	404	384	366	315
1978.....	370	359	384	393	329	334	367	348	346	340	376	369
1979.....	343	325	336	310	350	331	343	347	335	337	305	321
UNEMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	952	949	1,052	1,039	1,099	1,178	1,209	1,117	1,051	1,027	997	966
1976.....	989	953	947	1,001	904	910	988	974	964	964	963	975
1977.....	896	920	869	875	896	998	900	918	831	820	833	787
1978.....	820	852	819	768	769	717	774	735	763	802	767	793
1979.....	789	786	771	798	778	677	738	785	817	783	804	824
UNEMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	321	293	332	284	326	320	287	290	285	333	303	293
1976.....	286	273	281	285	282	342	309	289	310	273	363	299
1977.....	313	326	334	327	325	282	290	304	344	312	334	253
1978.....	327	324	317	333	300	307	301	293	315	275	295	296
1979.....	287	287	279	274	333	273	285	294	268	318	270	302
UNEMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	783	824	863	812	927	801	882	918	849	841	825	894
1976.....	807	808	791	833	759	768	764	925	731	810	768	799
1977.....	840	817	826	795	765	879	810	775	772	795	789	743
1978.....	764	743	774	719	814	778	871	777	790	725	765	766
1979.....	734	742	717	775	748	784	735	781	765	781	773	765
UNEMPLOYED - WHITE WORKERS												
1975.....	6,013	5,996	6,369	6,588	6,915	6,646	6,637	6,383	6,371	6,387	6,225	6,140
1976.....	5,953	5,703	5,694	5,765	5,663	5,770	5,987	5,992	5,929	5,921	5,992	5,872
1977.....	5,697	5,795	5,691	5,540	5,413	5,548	5,250	5,219	5,146	5,113	5,048	4,704
1978.....	4,794	4,707	4,673	4,635	4,647	4,470	4,720	4,566	4,599	4,452	4,431	4,599
1979.....	4,539	4,464	4,506	4,499	4,488	4,440	4,539	4,783	4,657	4,693	4,671	4,685
UNEMPLOYED - WHITE WORKERS 16-19 YEARS												
1975.....	1,373	1,337	1,386	1,374	1,450	1,480	1,489	1,480	1,385	1,388	1,341	1,397
1976.....	1,405	1,358	1,346	1,389	1,324	1,286	1,352	1,407	1,305	1,348	1,382	1,372
1977.....	1,358	1,342	1,359	1,322	1,313	1,374	1,220	1,234	1,283	1,225	1,231	1,037
1978.....	1,159	1,217	1,202	1,194	1,167	1,057	1,186	1,186	1,185	1,189	1,175	1,209
1979.....	1,192	1,165	1,166	1,177	1,195	1,107	1,160	1,217	1,215	1,192	1,187	1,186

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - WHITE WORKERS 20 YEARS AND OVER												
IN THOUSANDS												
1975.....	4,640	4,659	4,983	5,214	5,465	5,166	5,148	4,903	4,986	4,999	4,884	4,743
1976.....	4,548	4,345	4,348	4,376	4,339	4,484	4,635	4,585	4,624	4,573	4,610	4,500
1977.....	4,339	4,453	4,332	4,218	4,100	4,174	4,030	3,985	3,863	3,888	3,817	3,667
1978.....	3,635	3,490	3,471	3,441	3,480	3,413	3,534	3,380	3,414	3,263	3,256	3,390
1979.....	3,347	3,299	3,340	3,322	3,293	3,333	3,379	3,566	3,442	3,501	3,484	3,499
UNEMPLOYED - WHITE MALES												
1975.....	3,250	3,315	3,553	3,698	3,901	3,828	3,827	3,646	3,751	3,659	3,546	3,376
1976.....	3,283	3,089	3,127	3,174	3,179	3,226	3,302	3,223	3,293	3,256	3,325	3,235
1977.....	3,077	3,163	3,028	2,949	2,941	2,933	2,749	2,720	2,629	2,663	2,568	2,431
1978.....	2,463	2,491	2,523	2,363	2,334	2,230	2,320	2,303	2,314	2,342	2,206	2,357
1979.....	2,344	2,263	2,299	2,302	2,265	2,253	2,369	2,459	2,461	2,418	2,451	2,409
UNEMPLOYED - WHITE MALES 16-19 YEARS												
1975.....	747	762	764	779	786	862	844	815	771	753	743	754
1976.....	806	734	749	796	765	689	755	729	712	748	771	736
1977.....	695	702	704	674	687	749	635	655	677	639	635	550
1978.....	591	638	629	612	571	533	602	606	602	659	604	651
1979.....	643	626	628	623	641	559	608	646	654	614	636	623
UNEMPLOYED - WHITE MALES 20 YEARS AND OVER												
1975.....	2,503	2,553	2,789	2,919	3,115	2,966	2,983	2,831	2,980	2,906	2,803	2,622
1976.....	2,477	2,355	2,378	2,378	2,414	2,537	2,547	2,494	2,581	2,508	2,554	2,499
1977.....	2,382	2,461	2,324	2,275	2,254	2,184	2,114	2,065	1,952	2,024	1,933	1,881
1978.....	1,872	1,853	1,894	1,751	1,763	1,697	1,718	1,697	1,712	1,683	1,602	1,706
1979.....	1,701	1,637	1,671	1,679	1,624	1,694	1,761	1,813	1,807	1,804	1,815	1,786
UNEMPLOYED - WHITE FEMALES												
1975.....	2,763	2,681	2,816	2,890	3,014	2,818	2,810	2,737	2,620	2,728	2,679	2,764
1976.....	2,670	2,614	2,567	2,591	2,484	2,544	2,685	2,769	2,636	2,665	2,667	2,637
1977.....	2,620	2,632	2,663	2,591	2,472	2,615	2,501	2,499	2,517	2,450	2,480	2,273
1978.....	2,331	2,216	2,150	2,272	2,313	2,240	2,400	2,263	2,285	2,110	2,225	2,242
1979.....	2,195	2,201	2,207	2,197	2,223	2,187	2,170	2,324	2,196	2,275	2,220	2,276
UNEMPLOYED - WHITE FEMALES 16-19 YEARS												
1975.....	626	575	622	595	664	618	645	665	614	635	598	643
1976.....	599	624	597	593	559	597	597	678	593	600	611	636
1977.....	663	640	655	648	626	625	585	579	606	586	596	487
1978.....	568	579	573	582	596	524	584	580	583	530	571	558
1979.....	549	539	538	554	554	548	552	571	561	578	551	563
UNEMPLOYED - WHITE FEMALES 20 YEARS AND OVER												
1975.....	2,137	2,106	2,194	2,295	2,350	2,200	2,165	2,072	2,006	2,093	2,081	2,121
1976.....	2,071	1,990	1,970	1,998	1,925	1,947	2,088	2,091	2,043	2,065	2,056	2,001
1977.....	1,957	1,992	2,008	1,943	1,846	1,990	1,916	1,920	1,911	1,864	1,884	1,786
1978.....	1,763	1,637	1,577	1,690	1,717	1,716	1,816	1,683	1,702	1,580	1,654	1,684
1979.....	1,646	1,662	1,669	1,643	1,669	1,639	1,618	1,753	1,635	1,697	1,669	1,713
UNEMPLOYED - BLACK AND OTHER WORKERS												
1975.....	1,361	1,381	1,459	1,478	1,497	1,489	1,419	1,502	1,557	1,495	1,449	1,440
1976.....	1,427	1,469	1,379	1,413	1,340	1,466	1,412	1,466	1,410	1,441	1,467	1,480
1977.....	1,407	1,458	1,442	1,360	1,443	1,499	1,488	1,615	1,516	1,536	1,574	1,466
1978.....	1,511	1,386	1,483	1,393	1,469	1,425	1,499	1,387	1,383	1,351	1,428	1,389
1979.....	1,365	1,431	1,378	1,424	1,403	1,373	1,363	1,361	1,341	1,436	1,347	1,408
UNEMPLOYED - BLACK AND OTHER WORKERS 16-19 YEARS												
1975.....	373	356	365	357	350	335	324	346	344	347	320	344
1976.....	341	337	340	368	355	347	304	387	349	351	343	325
1977.....	332	333	343	312	332	389	398	421	375	379	400	393
1978.....	397	386	399	354	398	386	416	355	369	356	389	369
1979.....	347	379	332	368	384	340	324	323	332	363	331	347
UNEMPLOYED - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1975.....	988	1,025	1,094	1,121	1,147	1,154	1,095	1,156	1,213	1,148	1,129	1,096
1976.....	1,086	1,132	1,039	1,045	985	1,119	1,108	1,079	1,061	1,090	1,124	1,155
1977.....	1,075	1,125	1,099	1,048	1,111	1,110	1,090	1,194	1,141	1,157	1,174	1,073
1978.....	1,114	1,000	1,084	1,039	1,071	1,039	1,083	1,032	1,014	995	1,039	1,020
1979.....	1,018	1,052	1,046	1,056	1,019	1,033	1,039	1,038	1,009	1,073	1,016	1,061
UNEMPLOYED - BLACK AND OTHER MALES												
1975.....	731	738	776	813	801	825	793	808	837	798	782	773
1976.....	751	758	711	724	699	791	711	735	725	752	776	790
1977.....	725	735	725	628	736	756	777	864	759	798	747	701
1978.....	760	693	698	694	708	654	673	659	662	638	697	675
1979.....	652	696	691	676	659	643	658	638	640	686	657	679
UNEMPLOYED - BLACK AND OTHER MALES 16-19 YEARS												
1975.....	201	173	184	187	173	189	168	185	163	178	149	158
1976.....	169	176	163	186	181	185	139	194	197	196	179	183
1977.....	169	184	190	159	185	195	217	236	187	196	211	202
1978.....	201	196	205	188	203	177	195	166	185	174	209	187
1979.....	186	193	179	177	170	168	160	153	161	169	159	164

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BLACK AND OTHER MALES 20 YEARS AND OVER												
IN THOUSANDS												
1975.....	530	565	592	626	628	636	625	623	674	620	633	615
1976.....	582	582	548	538	518	606	572	541	528	556	597	607
1977.....	556	551	535	469	551	561	560	628	572	602	536	499
1978.....	559	497	493	506	505	477	478	493	477	464	488	488
1979.....	466	503	512	499	489	475	498	485	479	517	498	515
UNEMPLOYED - BLACK AND OTHER FEMALES												
1975.....	630	643	683	665	696	664	626	694	720	697	667	667
1976.....	676	711	668	689	641	675	701	731	685	689	691	690
1977.....	682	723	717	732	707	743	711	751	757	738	827	765
1978.....	751	693	785	699	761	771	826	728	721	713	731	714
1979.....	713	735	687	748	744	730	705	723	701	750	690	729
UNEMPLOYED - BLACK AND OTHER FEMALES 16-19 YEARS												
1975.....	172	183	181	170	177	146	156	161	181	169	171	186
1976.....	172	161	177	182	174	162	165	193	152	155	164	142
1977.....	163	149	153	153	147	194	181	185	188	183	189	191
1978.....	196	190	194	166	195	209	221	189	184	182	180	182
1979.....	161	186	153	191	214	172	164	170	171	194	172	183
UNEMPLOYED - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1975.....	458	460	502	495	519	518	470	533	539	528	496	481
1976.....	504	550	491	507	467	513	536	538	533	534	527	548
1977.....	519	574	564	579	560	549	530	566	569	555	638	574
1978.....	555	503	591	533	566	562	605	539	537	531	551	532
1979.....	552	549	534	557	530	558	541	553	530	556	518	546
UNEMPLOYED - BLACK WORKERS												
1975.....	1,270	1,253	1,351	1,373	1,377	1,369	1,287	1,394	1,418	1,362	1,331	1,326
1976.....	1,310	1,295	1,248	1,289	1,229	1,331	1,306	1,350	1,277	1,303	1,320	1,325
1977.....	1,298	1,312	1,316	1,209	1,310	1,356	1,354	1,486	1,419	1,423	1,440	1,353
1978.....	1,387	1,257	1,309	1,276	1,326	1,294	1,332	1,242	1,231	1,211	1,294	1,261
1979.....	1,246	1,314	1,267	1,299	1,291	1,256	1,262	1,277	1,237	1,305	1,212	1,259
UNEMPLOYED - BLACK MALES 16-19 YEARS												
1975.....	191	152	165	184	170	184	156	180	157	170	140	149
1976.....	155	148	146	166	180	178	146	183	181	179	162	169
1977.....	158	167	170	137	175	180	208	227	178	188	201	189
1978.....	189	186	194	181	187	158	177	158	167	147	186	167
1979.....	165	179	164	162	152	158	155	148	153	160	149	154
UNEMPLOYED - BLACK FEMALES 16-19 YEARS												
1975.....	162	164	168	158	161	138	136	152	173	159	155	168
1976.....	157	153	170	171	162	151	152	180	142	144	160	140
1977.....	158	146	142	145	138	193	169	171	183	172	176	179
1978.....	179	178	180	157	183	195	191	175	164	169	168	173
1979.....	142	174	140	181	195	164	154	163	163	184	159	165
UNEMPLOYED - BLACK MALES 20 YEARS AND OVER												
1975.....	495	505	548	569	562	584	564	572	606	561	583	572
1976.....	534	527	496	493	468	534	522	499	490	505	542	529
1977.....	499	484	486	407	501	488	497	575	533	546	491	457
1978.....	516	452	432	451	442	427	423	430	412	420	446	436
1979.....	437	460	473	449	451	431	458	458	438	460	441	461
UNEMPLOYED - BLACK FEMALES 20 YEARS AND OVER												
1975.....	422	432	470	462	484	463	431	490	482	472	453	437
1976.....	464	467	436	459	419	468	486	488	464	475	456	487
1977.....	483	515	518	520	496	495	480	513	525	517	572	528
1978.....	503	441	503	487	514	514	541	479	488	475	494	485
1979.....	502	501	490	507	493	503	495	508	483	501	463	479
UNEMPLOYED - MARRIED WORKERS, SPOUSE PRESENT												
1975.....	3,542	3,540	3,799	4,042	4,174	3,958	3,788	3,688	3,739	3,672	3,506	3,406
1976.....	3,271	3,209	3,142	3,119	3,132	3,296	3,369	3,305	3,333	3,266	3,254	3,178
1977.....	3,045	3,152	3,075	3,002	2,928	2,893	2,825	2,779	2,727	2,816	2,726	2,622
1978.....	2,530	2,388	2,413	2,292	2,527	2,387	2,369	2,366	2,359	2,256	2,237	2,321
1979.....	2,312	2,307	2,294	2,330	2,229	2,302	2,323	2,454	2,303	2,425	2,311	2,353
UNEMPLOYED - MARRIED MEN, SPOUSE PRESENT												
1975.....	1,831	1,865	2,014	2,183	2,311	2,222	2,159	2,076	2,125	2,070	1,948	1,867
1976.....	1,717	1,648	1,655	1,619	1,634	1,749	1,744	1,662	1,751	1,685	1,712	1,663
1977.....	1,597	1,611	1,517	1,479	1,465	1,390	1,364	1,358	1,296	1,417	1,295	1,262
1978.....	1,214	1,147	1,203	1,116	1,149	1,108	1,071	1,076	1,061	1,034	955	1,033
1979.....	1,050	1,057	1,047	1,093	1,002	1,078	1,144	1,175	1,153	1,164	1,166	1,135
UNEMPLOYED - MARRIED WOMEN, SPOUSE PRESENT												
1975.....	1,711	1,675	1,785	1,859	1,863	1,736	1,629	1,612	1,614	1,602	1,558	1,539
1976.....	1,554	1,561	1,487	1,500	1,498	1,547	1,625	1,643	1,582	1,581	1,542	1,515
1977.....	1,448	1,541	1,558	1,523	1,463	1,503	1,461	1,421	1,431	1,399	1,431	1,360
1978.....	1,316	1,241	1,210	1,176	1,378	1,279	1,298	1,290	1,298	1,222	1,282	1,288
1979.....	1,262	1,250	1,247	1,237	1,227	1,224	1,179	1,279	1,150	1,261	1,145	1,218

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - WOMEN WHO HEAD FAMILIES												
IN THOUSANDS												
1975.....	345	374	384	369	418	401	415	399	386	418	400	418
1976.....	434	421	395	400	378	395	420	438	438	445	416	442
1977.....	412	404	417	404	383	411	398	433	466	423	427	367
1978.....	389	359	413	483	437	419	474	393	395	366	380	384
1979.....	392	409	404	406	424	448	406	396	387	425	427	431
UNEMPLOYED - FULL-TIME WORKERS												
1975.....	5,964	6,034	6,409	6,710	7,014	6,710	6,646	6,358	6,588	6,534	6,327	6,165
1976.....	5,924	5,738	5,747	5,760	5,658	5,927	5,864	5,923	5,967	5,970	5,981	6,003
1977.....	5,645	5,706	5,612	5,510	5,494	5,512	5,383	5,441	5,259	5,287	5,186	4,880
1978.....	4,948	4,812	4,799	4,644	4,802	4,581	4,887	4,612	4,647	4,475	4,491	4,609
1979.....	4,514	4,565	4,539	4,637	4,533	4,515	4,617	4,727	4,715	4,796	4,770	4,791
UNEMPLOYED - FULL-TIME WORKERS 16-19 YEARS												
1975.....	1,028	1,001	1,043	1,053	1,121	1,122	1,105	1,077	1,025	1,023	969	1,024
1976.....	1,023	965	1,007	1,070	992	971	874	1,041	985	1,006	954	980
1977.....	947	964	927	945	919	977	920	942	889	876	905	832
1978.....	859	887	874	843	863	756	928	839	859	858	872	874
1979.....	838	844	833	867	835	764	812	835	904	869	871	891
UNEMPLOYED - FULL-TIME MALES 20 YEARS AND OVER												
1975.....	2,834	2,909	3,150	3,358	3,445	3,394	3,368	3,209	3,436	3,335	3,217	3,045
1976.....	2,804	2,697	2,695	2,688	2,699	2,923	2,896	2,797	2,912	2,875	2,934	2,909
1977.....	2,680	2,752	2,630	2,547	2,567	2,530	2,480	2,473	2,343	2,451	2,270	2,159
1978.....	2,197	2,177	2,159	2,074	2,103	2,005	2,012	2,005	2,000	1,995	1,917	2,001
1979.....	1,987	1,965	1,986	2,025	1,961	1,999	2,071	2,100	2,102	2,156	2,175	2,136
UNEMPLOYED - FULL-TIME FEMALES 20 YEARS AND OVER												
1975.....	2,102	2,124	2,216	2,299	2,448	2,194	2,173	2,072	2,127	2,176	2,141	2,096
1976.....	2,097	2,076	2,045	2,002	1,967	2,033	2,094	2,085	2,070	2,089	2,093	2,114
1977.....	2,018	1,990	2,055	2,018	2,008	2,005	1,983	2,026	2,027	1,960	2,011	1,889
1978.....	1,892	1,748	1,766	1,727	1,836	1,820	1,947	1,768	1,788	1,622	1,702	1,734
1979.....	1,689	1,756	1,720	1,745	1,737	1,752	1,734	1,792	1,709	1,771	1,724	1,764
UNEMPLOYED - PART-TIME WORKERS												
1975.....	1,372	1,340	1,412	1,397	1,417	1,406	1,401	1,460	1,387	1,415	1,359	1,398
1976.....	1,415	1,432	1,332	1,457	1,379	1,291	1,553	1,458	1,400	1,432	1,465	1,343
1977.....	1,428	1,552	1,530	1,411	1,404	1,538	1,368	1,328	1,424	1,387	1,425	1,276
1978.....	1,329	1,285	1,364	1,402	1,351	1,318	1,346	1,287	1,344	1,333	1,357	1,378
1979.....	1,373	1,337	1,351	1,291	1,389	1,302	1,287	1,372	1,288	1,343	1,252	1,309
UNEMPLOYED - PART-TIME WORKERS 16-19 YEARS												
1975.....	711	687	708	703	686	685	711	729	704	716	694	711
1976.....	716	726	681	709	689	657	786	730	676	694	768	717
1977.....	738	703	780	708	721	788	704	687	776	727	722	603
1978.....	692	711	732	720	692	687	681	682	705	688	690	717
1979.....	697	695	671	687	733	679	679	685	655	688	644	656
UNEMPLOYED - PART-TIME MALES 20 YEARS AND OVER												
1975.....	181	198	217	215	274	218	228	228	235	238	230	210
1976.....	229	232	223	262	226	230	221	216	205	223	217	207
1977.....	237	257	216	220	250	225	196	208	183	200	206	217
1978.....	210	165	217	203	182	175	188	173	186	170	183	187
1979.....	164	163	180	167	174	176	187	190	183	182	157	162
UNEMPLOYED - PART-TIME FEMALES 20 YEARS AND OVER												
1975.....	480	455	487	479	457	503	462	503	448	461	435	477
1976.....	470	474	428	486	464	404	546	512	519	515	480	419
1977.....	453	592	534	483	433	525	468	433	465	460	497	456
1978.....	427	409	415	479	477	456	477	432	453	475	484	474
1979.....	512	479	500	437	482	447	421	497	450	473	451	491
UNEMPLOYED - JOB LOSERS												
1975.....	3,869	4,005	4,287	4,546	4,853	4,787	4,587	4,444	4,635	4,322	4,169	3,891
1976.....	3,660	3,529	3,586	3,608	3,556	3,708	3,725	3,621	3,611	3,556	3,623	3,651
1977.....	3,253	3,456	3,276	3,105	3,095	3,081	3,031	3,096	3,040	2,936	2,909	2,682
1978.....	2,693	2,575	2,567	2,545	2,602	2,454	2,537	2,437	2,382	2,432	2,363	2,443
1979.....	2,441	2,475	2,457	2,520	2,356	2,449	2,526	2,680	2,632	2,731	2,729	2,728
UNEMPLOYED - JOB LOSERS ON LAYOFF												
1975.....	1,462	1,616	1,765	1,917	2,003	2,022	1,733	1,613	1,718	1,601	1,378	1,299
1976.....	991	1,015	1,004	1,066	1,046	1,062	1,095	1,061	1,112	991	1,007	1,061
1977.....	812	1,003	926	824	825	863	870	877	827	854	751	705
1978.....	740	709	690	625	710	645	703	678	698	651	736	735
1979.....	752	779	791	839	725	816	797	915	855	929	987	944
UNEMPLOYED - JOB LOSERS NOT ON LAYOFF												
1975.....	2,407	2,389	2,522	2,629	2,850	2,765	2,854	2,831	2,917	2,721	2,791	2,592
1976.....	2,669	2,514	2,582	2,542	2,510	2,646	2,630	2,560	2,499	2,565	2,616	2,590
1977.....	2,441	2,453	2,350	2,281	2,270	2,218	2,161	2,219	2,213	2,082	2,158	1,977
1978.....	1,953	1,866	1,877	1,920	1,892	1,809	1,834	1,759	1,684	1,781	1,627	1,708
1979.....	1,689	1,696	1,666	1,681	1,631	1,633	1,729	1,765	1,777	1,802	1,742	1,784

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - JOB LEAVERS												
IN THOUSANDS												
1975.....	765	754	798	825	860	787	806	770	823	816	881	875
1976.....	840	866	769	857	869	884	951	972	930	940	871	854
1977.....	922	876	914	869	916	940	834	880	871	892	891	886
1978.....	839	896	859	877	817	846	862	825	856	818	824	912
1979.....	900	828	864	847	940	857	846	875	825	835	845	800
UNEMPLOYED - REENTRANTS												
1975.....	1,854	1,684	1,871	1,915	1,969	1,899	1,847	1,892	1,830	1,902	1,799	1,939
1976.....	1,922	1,870	1,833	1,836	1,764	1,846	1,918	1,955	1,924	1,910	2,030	1,918
1977.....	1,981	1,981	1,964	1,997	1,986	1,941	1,868	1,872	1,867	1,895	1,903	1,842
1978.....	1,829	1,808	1,864	1,736	1,796	1,794	1,898	1,731	1,911	1,697	1,785	1,904
1979.....	1,721	1,766	1,766	1,778	1,767	1,753	1,762	1,788	1,760	1,762	1,698	1,771
UNEMPLOYED - NEW ENTRANTS												
1975.....	773	805	759	760	819	742	839	865	811	865	838	874
1976.....	876	855	846	888	846	837	800	901	933	928	921	961
1977.....	914	942	985	965	873	1,088	985	944	943	886	906	828
1978.....	917	866	903	898	877	811	899	895	812	831	873	826
1979.....	824	858	808	800	824	781	726	745	801	804	736	858
UNEMPLOYED - LESS THAN 5 WEEKS												
1975.....	3,251	2,895	3,140	2,879	3,036	2,832	2,833	2,759	2,827	2,910	2,663	2,703
1976.....	2,697	2,738	2,567	2,895	2,786	2,743	2,908	2,831	2,843	2,881	2,756	2,844
1977.....	2,836	2,937	2,927	2,973	2,758	3,090	2,800	2,821	2,789	2,806	2,833	2,631
1978.....	2,771	2,671	2,805	2,699	2,902	2,736	3,005	2,761	2,807	2,702	2,797	2,858
1979.....	2,751	2,779	2,769	2,876	2,823	2,880	2,820	3,168	2,778	2,955	2,919	2,916
UNEMPLOYED - 5-14 WEEKS												
1975.....	2,615	2,585	2,600	2,690	2,667	2,499	2,238	2,343	2,327	2,360	2,308	2,154
1976.....	2,115	1,943	1,960	1,977	2,021	2,255	2,154	2,282	2,297	2,251	2,407	2,256
1977.....	2,146	2,188	2,165	1,957	2,154	2,056	2,041	2,155	2,092	2,088	2,032	1,884
1978.....	1,900	1,877	1,908	1,856	1,824	1,933	1,846	1,895	1,855	1,788	1,836	1,937
1979.....	1,881	1,877	1,860	1,884	1,919	1,808	1,934	1,738	2,035	1,963	1,869	1,966
UNEMPLOYED - 15 WEEKS AND OVER												
1975.....	1,536	1,821	2,052	2,420	2,623	2,825	2,927	2,848	2,891	2,674	2,760	2,819
1976.....	2,689	2,491	2,409	2,185	2,093	2,313	2,291	2,364	2,277	2,273	2,323	2,323
1977.....	2,176	2,136	2,009	1,910	1,905	1,890	1,873	1,822	1,836	1,769	1,769	1,668
1978.....	1,620	1,538	1,469	1,463	1,396	1,328	1,330	1,229	1,292	1,296	1,201	1,217
1979.....	1,229	1,239	1,291	1,223	1,212	1,152	1,067	1,185	1,152	1,195	1,191	1,230
UNEMPLOYED - 15-26 WEEKS												
1975.....	920	1,113	1,291	1,467	1,545	1,531	1,535	1,380	1,301	1,232	1,125	1,244
1976.....	1,119	971	967	791	886	972	1,050	1,088	1,081	1,050	1,055	1,003
1977.....	978	946	872	803	850	882	909	930	908	865	885	829
1978.....	818	882	783	795	717	709	684	624	684	711	683	732
1979.....	708	700	729	687	705	656	615	658	644	678	660	711
UNEMPLOYED - 27 WEEKS AND OVER												
1975.....	616	708	761	953	1,078	1,294	1,392	1,468	1,590	1,442	1,635	1,575
1976.....	1,570	1,520	1,442	1,394	1,207	1,341	1,241	1,276	1,196	1,223	1,268	1,320
1977.....	1,198	1,190	1,137	1,107	1,055	1,008	964	892	928	904	884	839
1978.....	802	656	686	668	679	619	646	605	608	585	518	485
1979.....	521	539	562	536	507	496	452	527	508	517	531	519
UNEMPLOYED - 15 WEEKS AND OVER AS A PERCENT OF THE CIVILIAN LABOR FORCE												
1975.....	1.7	2.0	2.2	2.6	2.8	3.1	3.2	3.1	3.1	2.9	3.0	3.0
1976.....	2.9	2.7	2.6	2.3	2.2	2.4	2.4	2.5	2.4	2.4	2.4	2.4
1977.....	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.7
1978.....	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.3	1.3	1.2	1.2
1979.....	1.2	1.2	1.3	1.2	1.2	1.1	1.0	1.1	1.1	1.2	1.1	1.2
UNEMPLOYED - AVERAGE DURATION OF UNEMPLOYMENT: WEEKS												
1975.....	10.7	11.7	11.8	13.0	13.4	15.3	15.0	15.6	16.1	15.4	16.6	16.5
1976.....	16.6	16.3	16.5	15.9	15.0	16.9	15.7	15.7	15.3	15.2	15.3	15.2
1977.....	15.2	14.8	14.5	14.4	14.8	14.4	14.2	13.9	14.0	13.8	13.6	13.6
1978.....	13.0	12.6	12.4	12.4	12.0	12.1	11.9	11.5	11.5	11.8	11.1	10.6
1979.....	11.2	11.3	11.8	11.0	10.9	10.5	10.1	10.7	10.7	10.5	10.6	10.5
UNEMPLOYED - MEDIAN DURATION OF UNEMPLOYMENT: WEEKS												
1975.....	6.3	7.1	7.2	8.7	9.3	8.8	8.6	9.3	9.2	8.6	9.5	9.0
1976.....	9.0	8.2	8.7	8.1	8.2	7.8	7.7	8.0	7.8	7.7	8.4	8.0
1977.....	7.5	7.2	7.2	7.2	7.8	6.2	7.1	7.1	6.8	6.9	7.0	6.8
1978.....	6.4	6.7	6.2	6.0	5.6	6.0	5.9	6.0	5.8	5.9	5.5	5.5
1979.....	5.8	5.9	5.8	5.4	5.6	5.6	6.0	4.9	5.8	5.5	5.3	5.5
UNEMPLOYED - LABOR FORCE TIME LOST												
1975.....	8.7	8.8	9.3	9.4	9.8	9.2	9.2	8.9	9.1	9.0	8.9	8.7
1976.....	8.5	8.2	8.2	8.2	8.2	8.1	8.2	8.2	8.3	8.3	8.4	8.3
1977.....	8.1	8.1	7.9	7.5	7.6	7.7	7.5	7.5	7.3	7.3	7.3	6.9
1978.....	6.8	6.7	6.7	6.4	6.6	6.5	6.8	6.4	6.5	6.2	6.2	6.3
1979.....	6.2	6.2	6.2	6.4	6.3	6.3	6.4	6.4	6.2	6.4	6.4	6.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - ALL CIVILIAN WORKERS												
1975.....	8.0	8.1	8.5	8.8	9.0	8.8	8.7	8.4	8.4	8.4	8.2	8.2
1976.....	7.9	7.7	7.6	7.6	7.4	7.7	7.8	7.8	7.7	7.7	7.8	7.7
1977.....	7.4	7.6	7.4	7.2	7.1	7.2	6.9	7.0	6.8	6.7	6.7	6.2
1978.....	6.4	6.1	6.2	6.1	6.1	5.9	6.2	5.9	5.9	5.7	5.8	5.9
1979.....	5.8	5.7	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9
UNEMPLOYMENT RATE - MALES												
1975.....	7.2	7.4	7.9	8.2	8.4	8.4	8.2	7.9	8.0	7.8	7.7	7.5
1976.....	7.3	7.0	6.9	7.0	6.9	7.1	7.1	6.9	7.0	7.0	7.2	7.1
1977.....	6.7	6.9	6.6	6.3	6.4	6.4	6.1	6.2	5.8	5.9	5.7	5.4
1978.....	5.6	5.5	5.5	5.3	5.2	4.9	5.1	5.0	5.1	5.1	4.9	5.1
1979.....	5.1	5.0	5.0	5.1	5.0	4.9	5.1	5.2	5.2	5.2	5.2	5.2
UNEMPLOYMENT RATE - FEMALES												
1975.....	9.2	9.1	9.6	9.6	10.0	9.4	9.3	9.2	9.0	9.2	9.0	9.1
1976.....	8.8	8.7	8.5	8.6	8.2	8.4	8.8	9.0	8.6	8.7	8.6	8.5
1977.....	8.5	8.5	8.6	8.4	8.0	8.4	8.1	8.1	8.1	7.9	8.1	7.5
1978.....	7.5	7.1	7.2	7.2	7.4	7.2	7.7	7.1	7.1	6.6	7.0	6.9
1979.....	6.8	6.8	6.8	6.9	6.9	6.8	6.6	7.0	6.6	6.9	6.6	6.8
UNEMPLOYMENT RATE - BOTH SEXES 16-19 YEARS												
1975.....	19.5	19.4	19.9	19.9	20.4	20.9	20.7	20.7	19.5	19.8	19.0	19.7
1976.....	19.5	19.0	18.8	19.4	18.6	18.6	18.3	19.6	18.6	18.9	19.1	19.0
1977.....	18.8	18.4	18.6	17.9	17.9	18.9	17.6	17.4	17.9	17.1	17.1	15.3
1978.....	16.5	17.1	17.2	16.6	16.2	15.2	16.7	15.8	16.2	16.0	16.2	16.4
1979.....	16.0	16.0	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0
UNEMPLOYMENT RATE - MALES 16-19 YEARS												
1975.....	19.6	19.7	19.8	20.7	20.1	22.2	21.3	20.9	19.5	19.7	18.8	19.3
1976.....	20.1	18.9	18.9	20.2	19.5	18.6	18.5	18.8	19.0	19.4	19.6	18.9
1977.....	17.9	18.1	18.1	17.1	17.4	18.7	17.2	17.6	17.4	16.4	16.4	14.8
1978.....	15.6	16.6	16.5	16.2	15.3	14.0	15.8	14.9	15.5	16.1	15.9	16.5
1979.....	16.2	16.1	15.8	16.0	16.1	14.5	15.4	16.3	16.1	15.7	15.8	15.6
UNEMPLOYMENT RATE - FEMALES 16-19 YEARS												
1975.....	19.3	19.0	20.1	18.9	20.7	19.4	20.0	20.4	19.5	19.9	19.2	20.2
1976.....	18.8	19.2	18.8	18.6	17.5	18.7	18.0	20.6	18.1	18.3	18.6	19.1
1977.....	19.9	18.7	19.1	18.9	18.5	19.1	18.0	17.2	18.5	17.9	18.0	15.8
1978.....	17.6	17.8	17.9	17.0	17.2	16.6	17.8	16.7	16.9	15.9	16.6	16.2
1979.....	15.7	15.9	15.5	16.6	16.9	16.5	16.2	17.0	16.4	17.2	16.1	16.4
UNEMPLOYMENT RATE - BOTH SEXES 20 YEARS AND OVER												
1975.....	6.8	6.9	7.4	7.6	7.9	7.5	7.4	7.1	7.3	7.2	7.1	7.0
1976.....	6.7	6.5	6.4	6.4	6.2	6.5	6.6	6.5	6.5	6.5	6.6	6.5
1977.....	6.3	6.4	6.2	6.0	5.9	6.0	5.8	5.8	5.6	5.7	5.6	5.3
1978.....	5.3	5.0	5.1	5.0	5.0	4.9	5.1	4.8	4.8	4.6	4.7	4.8
1979.....	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.7	4.9	4.8	4.8
UNEMPLOYMENT RATE - MALES 20 YEARS AND OVER												
1975.....	6.1	6.3	6.8	7.1	7.3	7.1	7.0	6.7	7.0	6.7	6.7	6.4
1976.....	6.1	5.8	5.8	5.7	5.7	6.1	6.0	5.8	5.9	5.8	6.1	6.0
1977.....	5.7	5.8	5.5	5.3	5.4	5.2	5.1	5.1	4.8	4.9	4.7	4.5
1978.....	4.6	4.5	4.5	4.3	4.3	4.1	4.1	4.1	4.1	4.0	3.9	4.1
1979.....	4.0	3.9	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.3	4.2
UNEMPLOYMENT RATE - FEMALES 20 YEARS AND OVER												
1975.....	8.0	7.9	8.3	8.5	8.7	8.2	8.0	7.9	7.7	7.9	7.8	7.8
1976.....	7.6	7.5	7.3	7.4	7.0	7.2	7.6	7.6	7.5	7.5	7.5	7.3
1977.....	7.1	7.3	7.3	7.1	6.8	7.1	6.9	6.9	6.9	6.7	6.9	6.5
1978.....	6.3	5.8	5.9	6.0	6.2	6.1	6.5	5.9	5.9	5.6	5.8	5.8
1979.....	5.7	5.7	5.7	5.7	5.7	5.7	5.5	5.9	5.5	5.7	5.6	5.7
UNEMPLOYMENT RATE - BOTH SEXES 20-24 YEARS												
1975.....	12.2	13.1	13.8	14.4	14.8	13.3	14.0	13.5	14.0	13.7	13.6	12.9
1976.....	12.7	11.9	11.9	12.0	11.5	11.9	11.6	11.9	11.7	12.4	12.3	12.0
1977.....	11.4	11.9	11.3	11.0	11.0	10.9	10.8	11.2	10.7	10.4	10.4	9.9
1978.....	10.5	10.1	10.2	10.0	9.1	9.4	9.9	8.9	9.3	8.6	9.1	9.0
1979.....	8.7	8.6	8.8	8.6	8.9	8.9	9.1	9.3	9.2	9.6	8.8	9.8
UNEMPLOYMENT RATE - MALES 20-24 YEARS												
1975.....	12.5	13.3	14.4	15.6	15.4	14.3	15.0	14.5	15.4	14.6	14.2	13.1
1976.....	12.7	11.8	11.9	11.7	11.6	12.3	12.0	11.9	11.6	12.5	12.3	12.3
1977.....	11.2	11.8	11.0	11.0	11.0	10.8	10.6	11.4	10.5	9.9	9.8	9.4
1978.....	10.4	10.0	9.9	9.4	8.1	8.7	8.9	8.7	8.7	8.5	8.6	8.6
1979.....	8.4	8.1	8.3	8.0	8.2	8.3	8.8	8.8	8.8	9.5	8.4	9.4
UNEMPLOYMENT RATE - FEMALES 20-24 YEARS												
1975.....	11.9	12.8	13.1	13.1	14.0	12.2	12.7	12.2	12.3	12.5	12.9	12.6
1976.....	12.5	12.0	11.9	12.4	11.4	11.5	11.0	12.0	11.7	12.2	12.3	11.6
1977.....	11.6	12.0	11.6	11.1	11.1	11.1	11.0	10.9	10.9	11.0	11.0	10.6
1978.....	10.7	10.1	10.5	10.8	10.3	10.3	11.2	9.2	10.0	8.8	9.6	9.5
1979.....	9.1	9.3	9.5	9.4	9.7	9.7	9.4	9.8	9.6	9.7	9.3	10.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BOTH SEXES 25 YEARS AND OVER												
1975.....	5.7	5.6	6.0	6.3	6.5	6.4	6.2	6.0	6.1	6.1	5.9	5.8
1976.....	5.5	5.4	5.3	5.3	5.2	5.5	5.8	5.5	5.6	5.5	5.5	5.4
1977.....	5.2	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.8	4.7	4.4
1978.....	4.2	4.0	4.1	4.0	4.3	4.0	4.1	4.0	4.0	3.9	3.8	3.9
1979.....	3.9	3.9	3.9	4.0	3.9	3.9	3.9	4.0	3.9	4.0	4.0	3.8
UNEMPLOYMENT RATE - MALES 25 YEARS AND OVER												
1975.....	4.9	5.0	5.4	5.6	5.9	5.8	5.7	5.4	5.7	5.7	5.4	5.2
1976.....	4.8	4.7	4.6	4.7	4.6	5.0	5.0	4.8	5.0	4.8	4.9	4.8
1977.....	4.7	4.7	4.5	4.3	4.4	4.2	4.1	4.0	3.8	4.2	3.8	3.6
1978.....	3.6	3.4	3.5	3.4	3.6	3.2	3.3	3.3	3.3	3.3	3.1	3.2
1979.....	3.2	3.2	3.2	3.3	3.1	3.2	3.3	3.4	3.3	3.4	3.5	3.2
UNEMPLOYMENT RATE - FEMALES 25 YEARS AND OVER												
1975.....	7.0	6.8	7.2	7.5	7.5	7.4	7.1	6.8	6.7	6.8	6.6	6.7
1976.....	6.5	6.5	6.3	6.2	6.1	6.2	7.0	6.5	6.6	6.5	6.3	6.3
1977.....	6.1	6.2	6.4	6.2	5.9	6.2	6.1	6.0	6.0	5.7	6.0	5.5
1978.....	5.3	4.9	4.9	4.9	5.3	5.1	5.4	5.1	5.0	4.8	4.9	5.0
1979.....	5.0	5.0	4.9	4.9	4.9	4.8	4.7	4.9	4.6	4.9	4.7	4.7
UNEMPLOYMENT RATE - BOTH SEXES 25-54 YEARS												
1975.....	6.0	6.0	6.4	6.7	6.9	6.8	6.5	6.3	6.4	6.4	6.2	6.0
1976.....	5.7	5.6	5.4	5.4	5.4	5.6	6.0	5.7	5.9	5.7	5.7	5.8
1977.....	5.4	5.5	5.4	5.3	5.1	5.2	5.1	5.0	4.8	4.9	4.8	4.5
1978.....	4.4	4.2	4.3	4.2	4.5	4.2	4.4	4.3	4.2	4.1	4.0	4.2
1979.....	4.1	4.1	4.1	4.2	4.0	4.1	4.0	4.2	4.1	4.2	4.3	4.1
UNEMPLOYMENT RATE - MALES 25-54 YEARS												
1975.....	5.1	5.2	5.6	5.8	6.2	6.2	6.0	5.8	6.0	5.9	5.7	5.4
1976.....	4.9	4.8	4.6	4.7	4.6	5.0	5.2	5.0	5.1	5.0	5.1	5.1
1977.....	4.8	4.8	4.5	4.4	4.4	4.4	4.3	4.2	3.8	4.2	3.8	3.6
1978.....	3.6	3.5	3.6	3.3	3.6	3.2	3.3	3.4	3.4	3.3	3.2	3.4
1979.....	3.3	3.3	3.3	3.3	3.2	3.2	3.4	3.5	3.6	3.5	3.8	3.4
UNEMPLOYMENT RATE - FEMALES 25-54 YEARS												
1975.....	7.5	7.2	7.7	8.1	8.1	7.9	7.4	7.2	7.2	7.2	6.9	7.0
1976.....	6.8	6.9	6.6	6.6	6.6	6.6	7.1	6.9	7.0	6.9	6.6	6.8
1977.....	6.4	6.6	6.8	6.6	6.2	6.5	6.3	6.3	6.4	6.1	6.2	5.9
1978.....	5.6	5.2	5.3	5.4	5.8	5.5	5.9	5.5	5.3	5.2	5.2	5.4
1979.....	5.4	5.4	5.3	5.3	5.2	5.2	5.0	5.3	5.0	5.2	5.0	5.1
UNEMPLOYMENT RATE - BOTH SEXES 25-34 YEARS												
1975.....	7.3	7.4	7.9	8.2	8.4	8.5	8.1	7.6	7.8	7.6	7.5	7.3
1976.....	7.0	7.1	6.7	6.6	6.9	7.1	7.3	7.2	7.3	7.2	7.2	7.1
1977.....	6.8	6.8	6.7	6.9	6.4	6.5	6.5	6.3	6.2	6.4	6.0	5.8
1978.....	5.5	5.2	5.4	5.4	5.5	5.0	5.3	5.3	5.2	5.0	5.1	5.2
1979.....	5.2	5.2	5.2	5.1	5.0	5.1	5.0	5.2	4.9	5.1	5.3	5.0
UNEMPLOYMENT RATE - MALES 25-34 YEARS												
1975.....	6.2	6.6	7.0	7.3	7.4	7.6	7.3	6.8	7.2	6.9	6.9	6.5
1976.....	6.1	6.1	5.7	5.9	6.0	6.3	6.5	6.2	6.3	6.3	6.5	6.2
1977.....	6.0	6.0	5.7	5.8	5.7	5.7	5.8	5.6	5.3	5.8	5.1	4.7
1978.....	4.8	4.5	4.5	4.4	4.4	3.9	4.0	4.2	4.1	4.2	4.0	4.2
1979.....	4.1	4.2	4.3	4.1	4.0	4.0	4.1	4.3	4.1	4.2	4.6	4.2
UNEMPLOYMENT RATE - FEMALES 25-34 YEARS												
1975.....	9.1	8.7	9.4	9.8	10.2	9.9	9.4	9.0	8.8	8.8	8.4	8.5
1976.....	8.4	8.5	8.2	7.9	8.2	8.4	8.6	8.7	8.8	8.7	8.3	8.4
1977.....	7.9	8.2	8.2	8.4	7.4	7.7	7.4	7.3	7.4	7.4	7.5	7.3
1978.....	6.6	6.1	6.8	6.9	7.1	6.7	7.1	6.9	6.7	6.1	6.5	6.6
1979.....	6.7	6.7	6.5	6.5	6.4	6.6	6.2	6.4	6.0	6.4	6.3	6.2
UNEMPLOYMENT RATE - BOTH SEXES 35-44 YEARS												
1975.....	5.5	5.4	5.8	6.2	6.0	5.8	5.4	5.6	5.5	5.6	5.5	5.3
1976.....	5.0	5.0	4.7	4.9	4.6	4.9	5.2	5.0	5.2	5.0	4.8	4.9
1977.....	4.5	4.8	4.7	4.3	4.5	4.6	4.5	4.3	4.2	4.2	4.2	3.8
1978.....	3.8	3.7	3.7	3.5	4.1	3.8	3.8	3.8	3.5	3.5	3.5	3.7
1979.....	3.7	3.4	3.4	3.5	3.4	3.4	3.4	3.8	3.9	3.7	3.7	3.8
UNEMPLOYMENT RATE - MALES 35-44 YEARS												
1975.....	4.4	4.5	5.0	5.3	5.5	5.1	5.0	4.9	4.8	4.8	4.9	4.6
1976.....	4.2	4.2	3.8	3.9	3.6	4.2	4.5	4.3	4.5	4.2	4.1	4.0
1977.....	3.8	4.0	3.9	3.4	3.6	3.6	3.5	3.3	2.9	3.3	3.1	2.7
1978.....	2.7	2.7	3.0	2.8	3.1	2.9	2.7	2.9	2.7	2.7	2.5	2.8
1979.....	2.8	2.6	2.5	2.7	2.5	2.6	2.8	2.9	3.4	3.1	3.3	3.1
UNEMPLOYMENT RATE - FEMALES 35-44 YEARS												
1975.....	7.2	6.9	7.0	7.8	6.9	7.0	6.0	6.6	6.7	6.9	6.6	6.5
1976.....	6.1	6.2	6.1	6.4	6.0	5.9	6.3	6.0	6.2	6.1	5.9	6.2
1977.....	5.6	6.0	5.9	5.6	5.8	5.9	6.0	5.9	6.0	5.5	5.8	5.3
1978.....	5.4	5.0	4.8	4.5	5.5	5.0	5.3	5.0	4.7	4.8	4.9	4.9
1979.....	5.0	4.7	4.7	4.5	4.7	4.6	4.3	5.0	4.5	4.6	4.3	4.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BOTH SEXES 45-54 YEARS												
1975.....	4.9	4.7	5.1	5.2	5.7	5.6	5.6	5.4	5.5	5.6	5.0	5.0
1976.....	4.5	4.3	4.3	4.3	4.2	4.3	4.9	4.4	4.5	4.4	4.7	4.8
1977.....	4.4	4.3	4.4	4.0	4.0	4.1	3.7	3.9	3.6	3.6	3.6	3.4
1978.....	3.4	3.3	3.1	3.0	3.5	3.3	3.5	3.3	3.4	3.3	3.1	3.2
1979.....	3.1	3.2	3.2	3.4	3.1	3.2	3.3	3.2	3.2	3.4	3.3	3.1
UNEMPLOYMENT RATE - MALES 45-54 YEARS												
1975.....	4.3	4.0	4.3	4.5	5.2	5.3	5.2	5.3	5.4	5.6	4.7	4.6
1976.....	4.0	3.6	3.9	3.9	3.7	4.0	4.2	3.9	4.1	3.9	4.3	4.6
1977.....	4.0	3.8	3.5	3.4	3.3	3.3	2.8	3.0	2.5	2.8	2.6	2.8
1978.....	2.8	2.8	2.8	2.3	3.0	2.6	2.8	2.8	3.2	2.7	2.7	2.7
1979.....	2.7	2.7	2.7	2.8	2.6	2.8	2.9	2.9	2.9	3.0	2.8	2.4
UNEMPLOYMENT RATE - FEMALES 45-54 YEARS												
1975.....	5.8	5.8	6.2	6.3	6.6	6.3	6.1	5.7	5.6	5.5	5.5	5.6
1976.....	5.3	5.4	5.0	5.0	4.9	4.7	5.9	5.1	5.2	5.2	5.2	5.1
1977.....	5.2	4.9	5.7	5.1	5.0	5.4	4.9	5.3	5.2	4.6	5.0	4.3
1978.....	4.3	4.0	3.7	4.0	4.3	4.3	4.6	4.0	3.7	4.1	3.6	3.9
1979.....	3.7	4.0	3.9	4.3	3.9	3.7	3.8	3.8	3.8	3.9	3.9	3.9
UNEMPLOYMENT RATE - BOTH SEXES 55 YEARS AND OVER												
1975.....	4.2	4.5	4.6	5.0	5.0	4.9	4.9	4.7	4.6	4.9	4.8	5.0
1976.....	4.7	4.5	4.8	4.7	4.4	4.8	4.9	4.8	4.7	4.5	4.4	4.1
1977.....	4.3	4.6	4.3	4.2	4.1	3.9	4.0	3.8	4.0	4.2	4.0	3.9
1978.....	3.6	3.3	3.2	3.3	3.2	3.2	3.2	2.9	3.2	3.1	2.9	2.9
1979.....	3.0	3.0	3.1	3.1	3.1	2.9	3.2	3.1	2.9	3.0	2.7	2.7
UNEMPLOYMENT RATE - MALES 55 YEARS AND OVER												
1975.....	4.0	4.2	4.4	4.8	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8
1976.....	4.4	4.4	4.7	4.4	4.4	4.8	4.2	4.6	4.5	4.3	4.3	3.9
1977.....	4.3	4.5	4.2	3.8	3.9	3.4	3.6	3.5	3.8	4.1	3.7	3.7
1978.....	3.4	3.2	3.2	3.3	3.3	3.1	3.3	2.8	2.9	3.0	2.6	2.6
1979.....	2.9	2.8	2.8	3.0	2.8	3.1	3.3	3.1	2.8	2.8	2.6	2.6
UNEMPLOYMENT RATE - FEMALES 55 YEARS AND OVER												
1975.....	4.6	4.9	5.0	5.3	5.5	5.4	5.3	5.0	4.6	5.3	4.9	5.4
1976.....	5.1	4.7	4.8	5.0	4.3	4.7	6.0	5.0	5.0	4.8	4.6	4.5
1977.....	4.4	4.8	4.5	4.7	4.5	4.7	4.6	4.4	4.4	4.3	4.4	4.2
1978.....	3.9	3.4	3.2	3.1	3.1	3.2	3.0	3.1	3.8	3.3	3.3	3.3
1979.....	3.2	3.3	3.6	3.2	3.6	2.8	3.1	3.2	2.9	3.4	2.9	2.9
UNEMPLOYMENT RATE - BOTH SEXES 55-64 YEARS												
1975.....	4.2	4.4	4.5	4.8	4.7	4.8	4.8	4.6	4.6	4.8	4.5	4.5
1976.....	4.4	4.4	4.5	4.6	4.3	4.7	4.7	4.7	4.7	4.4	4.3	4.1
1977.....	4.1	4.4	4.1	4.0	3.9	3.7	3.7	3.6	3.8	4.0	3.7	3.6
1978.....	3.4	3.1	2.9	2.9	2.8	2.8	2.8	2.7	3.0	3.1	2.8	2.7
1979.....	2.9	2.8	2.9	2.9	3.1	2.9	3.2	3.0	2.7	2.9	2.8	2.7
UNEMPLOYMENT RATE - MALES 55-64 YEARS												
1975.....	3.9	4.0	4.2	4.4	4.5	4.3	4.4	4.4	4.4	4.4	4.4	4.4
1976.....	4.0	4.1	4.4	4.4	4.2	4.6	4.1	4.4	4.4	4.1	4.1	3.8
1977.....	3.8	4.1	3.8	3.6	3.6	3.2	3.2	3.2	3.4	3.9	3.3	3.4
1978.....	3.1	3.0	2.8	2.9	2.9	2.7	2.9	2.3	2.5	3.0	2.4	2.4
1979.....	2.8	2.5	2.5	2.6	2.7	3.0	3.4	3.0	2.5	2.6	2.6	2.5
UNEMPLOYMENT RATE - FEMALES 55-64 YEARS												
1975.....	4.8	5.0	5.1	5.3	5.0	5.5	5.4	4.9	4.9	5.5	4.8	4.7
1976.....	4.9	4.8	4.7	5.1	4.3	4.8	5.6	5.1	5.1	4.9	4.6	4.6
1977.....	4.5	4.9	4.6	4.6	4.4	4.5	4.6	4.3	4.4	4.2	4.3	4.0
1978.....	3.8	3.4	3.0	2.8	2.8	2.9	2.8	3.2	3.7	3.2	3.3	3.3
1979.....	3.1	3.1	3.5	3.4	3.6	2.8	3.0	3.1	3.0	3.5	2.9	2.9
UNEMPLOYMENT RATE - BOTH SEXES 65 YEARS AND OVER												
1975.....	4.3	4.8	4.8	5.7	6.2	5.5	5.3	5.2	4.7	5.2	5.7	6.8
1976.....	5.8	5.2	5.7	4.7	4.9	5.3	5.8	5.0	4.7	4.8	5.2	4.3
1977.....	5.3	5.6	5.2	4.9	5.0	4.8	4.9	4.7	4.9	5.0	5.2	5.0
1978.....	4.5	3.7	4.2	4.6	4.7	4.4	4.6	3.9	4.1	3.3	3.2	3.5
1979.....	3.4	3.8	3.8	3.8	3.5	3.2	3.2	3.5	3.6	3.4	2.6	2.9
UNEMPLOYMENT RATE - MALES 65 YEARS AND OVER												
1975.....	4.3	4.9	4.9	6.0	5.7	5.9	5.6	5.2	5.2	5.7	5.9	6.1
1976.....	5.7	5.6	5.9	4.7	5.2	5.6	4.6	5.3	4.8	4.9	5.4	4.4
1977.....	6.1	6.2	5.7	4.9	5.1	4.4	5.0	4.6	5.2	5.1	5.4	4.9
1978.....	4.5	4.0	4.4	4.9	4.8	4.5	5.0	4.5	4.2	3.0	3.0	3.6
1979.....	3.3	3.5	3.7	4.5	3.4	3.4	3.2	3.5	4.0	3.7	2.6	2.8
UNEMPLOYMENT RATE - FEMALES 65 YEARS AND OVER												
1975.....	4.1	4.8	4.7	5.2	7.3	4.8	4.7	5.3	3.7	4.5	5.2	8.0
1976.....	6.0	4.5	5.3	4.7	4.2	4.6	7.7	4.6	4.5	4.6	4.8	4.3
1977.....	4.0	4.5	4.2	5.0	4.7	5.5	4.7	4.8	4.3	4.9	4.9	5.1
1978.....	4.4	3.1	3.8	4.2	4.4	4.3	3.9	2.8	4.1	3.8	3.4	3.3
1979.....	3.7	4.1	4.0	2.7	3.6	2.7	3.3	3.6	2.9	2.8	2.7	3.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - MALES 16-21 YEARS												
1975.....	17.3	17.5	18.3	19.1	19.2	20.4	20.0	19.0	18.5	18.2	17.8	17.5
1976.....	18.3	17.2	17.1	17.5	16.8	17.1	17.0	16.9	16.7	17.2	17.7	17.1
1977.....	15.7	16.5	16.0	15.4	15.7	16.7	15.6	15.8	15.3	14.8	14.7	13.6
1978.....	14.6	14.9	14.7	14.2	13.4	12.8	13.8	12.9	13.4	13.7	13.7	14.1
1979.....	13.6	13.5	13.4	13.5	13.7	12.3	13.2	14.1	13.8	13.7	13.6	13.9
UNEMPLOYMENT RATE - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	21.7	22.2	20.0	22.3	22.2	21.1	20.1	19.8	21.6	22.0	21.5	22.2
1976.....	23.2	22.0	22.8	23.0	23.1	20.7	20.4	20.5	19.8	22.2	24.2	22.5
1977.....	20.1	22.6	23.4	20.4	21.0	21.4	20.6	21.1	22.6	20.3	19.5	17.5
1978.....	20.2	20.0	19.8	19.3	17.6	18.7	20.4	19.3	18.4	18.4	19.7	19.8
1979.....	19.0	18.1	19.0	19.0	19.7	18.3	18.9	19.5	17.9	19.5	18.7	18.1
UNEMPLOYMENT RATE - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	16.0	16.1	17.8	18.1	18.4	20.2	20.0	18.7	17.6	17.2	16.8	16.2
1976.....	16.7	15.8	15.6	16.0	14.9	15.9	16.0	15.8	15.9	15.7	15.8	15.6
1977.....	14.5	14.8	13.9	14.0	14.2	15.4	14.2	14.4	13.3	13.1	13.2	12.4
1978.....	13.0	13.4	13.1	12.6	12.2	11.1	12.0	11.2	11.9	12.4	12.0	12.4
1979.....	12.1	12.2	11.9	12.1	12.1	10.6	11.5	12.5	12.7	12.1	12.3	12.7
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS												
1975.....	16.8	17.4	18.5	17.2	19.1	17.4	18.0	18.4	17.4	18.1	17.5	18.1
1976.....	16.7	16.4	16.2	16.7	15.5	16.5	15.7	17.8	15.7	16.2	16.7	16.3
1977.....	17.0	16.7	16.9	16.4	16.1	16.4	15.9	15.1	15.9	15.8	16.0	14.3
1978.....	15.5	15.2	15.6	14.7	15.4	14.8	16.0	14.4	15.0	13.7	14.5	14.4
1979.....	13.9	14.0	13.6	14.4	15.0	14.5	14.1	14.9	14.2	15.1	14.3	14.6
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1975.....	20.8	20.3	22.0	19.3	22.1	20.4	19.3	19.5	19.8	21.6	20.3	20.6
1976.....	19.0	18.7	19.4	21.0	18.8	20.1	19.7	18.5	19.6	17.8	22.2	19.1
1977.....	20.0	20.2	21.0	20.7	21.2	18.9	18.6	19.2	21.0	19.6	20.6	16.2
1978.....	20.4	19.9	18.6	18.0	17.1	18.9	18.6	18.1	17.4	15.6	16.6	16.3
1979.....	16.7	16.7	16.5	17.3	19.2	17.0	17.8	18.2	16.0	18.9	16.5	18.2
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1975.....	15.6	16.6	17.5	16.5	18.2	16.4	17.6	18.1	16.8	17.0	16.7	17.4
1976.....	16.0	15.8	15.3	15.7	14.6	15.3	14.5	17.6	14.5	15.8	14.9	15.5
1977.....	16.1	15.6	15.6	15.2	14.6	15.7	15.1	14.0	14.4	14.7	14.6	13.8
1978.....	14.1	13.8	14.6	13.6	14.8	13.6	15.2	13.3	14.2	13.1	13.8	13.8
1979.....	13.0	13.1	12.7	13.6	13.7	13.8	13.0	13.9	13.7	13.9	13.6	13.6
UNEMPLOYMENT RATE - WHITE WORKERS												
1975.....	7.4	7.4	7.8	8.1	8.4	8.1	8.1	7.7	7.7	7.7	7.6	7.4
1976.....	7.2	6.9	6.9	6.9	6.8	6.9	7.1	7.1	7.0	7.0	7.1	6.9
1977.....	6.7	6.8	6.7	6.5	6.3	6.4	6.1	6.0	6.0	5.9	5.8	5.4
1978.....	5.5	5.4	5.3	5.3	5.3	5.0	5.3	5.1	5.2	5.0	5.0	5.1
1979.....	5.0	4.9	5.0	5.0	5.0	4.9	5.0	5.3	5.1	5.1	5.1	5.1
UNEMPLOYMENT RATE - WHITE WORKERS 16-19 YEARS												
1975.....	17.2	17.1	17.7	17.7	18.4	19.0	18.8	18.7	17.5	17.7	17.2	17.7
1976.....	17.7	17.1	16.9	17.1	16.4	16.2	16.5	17.2	16.4	16.7	17.2	17.1
1977.....	16.9	16.3	16.4	15.9	15.9	16.4	14.8	14.7	15.5	14.7	14.6	12.5
1978.....	13.8	14.6	14.5	14.2	13.7	12.4	14.0	13.6	13.8	13.8	13.8	14.2
1979.....	13.8	13.6	13.6	13.9	14.2	13.2	13.8	14.8	14.3	14.1	13.9	13.9
UNEMPLOYMENT RATE - WHITE WORKERS 20 YEARS AND OVER												
1975.....	6.3	6.3	6.8	7.0	7.3	7.0	6.9	6.6	6.7	6.7	6.6	6.4
1976.....	6.1	5.8	5.8	5.8	5.7	5.9	6.1	6.0	6.1	6.0	6.0	5.9
1977.....	5.7	5.8	5.6	5.5	5.3	5.4	5.2	5.1	4.9	5.0	4.8	4.7
1978.....	4.6	4.4	4.4	4.3	4.4	4.3	4.4	4.2	4.3	4.0	4.0	4.2
1979.....	4.1	4.0	4.1	4.1	4.0	4.1	4.1	4.3	4.2	4.2	4.2	4.2
UNEMPLOYMENT RATE - WHITE MALES												
1975.....	6.5	6.7	7.1	7.4	7.8	7.7	7.6	7.3	7.5	7.3	7.1	6.8
1976.....	6.6	6.2	6.2	6.3	6.3	6.4	6.5	6.4	6.5	6.4	6.5	6.4
1977.....	6.1	6.2	5.9	5.8	5.7	5.7	5.4	5.3	5.1	5.1	4.9	4.7
1978.....	4.7	4.8	4.9	4.5	4.5	4.3	4.4	4.4	4.4	4.5	4.2	4.5
1979.....	4.4	4.3	4.3	4.4	4.3	4.3	4.5	4.6	4.6	4.5	4.6	4.5
UNEMPLOYMENT RATE - WHITE MALES 16-19 YEARS												
1975.....	17.3	17.9	17.9	18.5	18.4	20.2	19.6	19.1	18.0	17.8	17.6	17.8
1976.....	18.7	17.0	17.5	18.1	17.7	16.2	17.3	16.5	16.7	17.3	17.9	17.0
1977.....	16.1	15.9	15.9	15.1	15.2	16.6	14.3	14.7	15.3	14.1	13.9	12.3
1978.....	13.1	14.2	14.0	13.7	12.7	11.8	13.5	13.1	13.2	14.3	13.3	14.4
1979.....	14.0	13.8	13.8	13.9	14.4	12.6	13.6	14.9	14.4	13.8	14.1	13.7
UNEMPLOYMENT RATE - WHITE MALES 20 YEARS AND OVER												
1975.....	5.5	5.6	6.1	6.4	6.8	6.5	6.5	6.2	6.5	6.3	6.1	5.7
1976.....	5.4	5.1	5.2	5.2	5.2	5.5	5.5	5.4	5.6	5.4	5.5	5.4
1977.....	5.1	5.3	5.0	4.9	4.8	4.6	4.5	4.4	4.1	4.3	4.1	4.0
1978.....	4.0	3.9	4.0	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.3	3.5
1979.....	3.5	3.4	3.4	3.5	3.4	3.5	3.6	3.7	3.7	3.7	3.7	3.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - WHITE FEMALES												
1975.....	8.6	8.5	8.8	9.0	9.4	8.8	8.7	8.5	8.1	8.4	8.3	8.5
1976.....	8.1	8.0	7.8	7.8	7.5	7.6	8.0	8.2	7.9	7.9	7.9	7.8
1977.....	7.7	7.7	7.7	7.5	7.1	7.5	7.2	7.2	7.2	7.0	7.0	6.5
1978.....	6.6	6.3	6.1	6.3	6.4	6.2	6.6	6.2	6.2	5.7	6.0	6.1
1979.....	5.9	5.9	5.9	5.9	6.0	5.9	5.8	6.2	5.8	6.0	5.8	6.0
UNEMPLOYMENT RATE - WHITE FEMALES 16-19 YEARS												
1975.....	17.1	16.2	17.4	16.8	18.4	17.5	17.9	18.3	17.0	17.7	16.7	17.7
1976.....	16.5	17.1	16.3	16.0	14.9	16.1	15.6	18.1	16.0	16.1	16.4	17.3
1977.....	17.7	16.7	17.1	16.9	16.6	16.1	15.3	14.6	15.8	15.3	15.4	12.8
1978.....	14.7	15.0	15.0	14.8	14.8	13.2	14.5	14.3	14.5	13.3	14.3	13.9
1979.....	13.6	13.4	13.4	13.9	14.0	13.8	13.9	14.7	14.1	14.4	13.8	14.1
UNEMPLOYMENT RATE - WHITE FEMALES 20 YEARS AND OVER												
1975.....	7.5	7.5	7.7	8.1	8.2	7.7	7.5	7.2	7.0	7.2	7.2	7.3
1976.....	7.1	6.8	6.7	6.8	6.5	6.6	7.0	7.0	6.8	6.9	6.8	6.6
1977.....	6.5	6.6	6.6	6.3	6.0	6.5	6.2	6.2	6.1	6.0	6.0	5.7
1978.....	5.6	5.2	5.0	5.3	5.4	5.3	5.6	5.2	5.2	4.8	5.0	5.1
1979.....	5.0	5.0	5.0	5.0	5.0	4.9	4.8	5.2	4.8	5.0	4.9	5.0
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS												
1975.....	13.1	13.3	14.0	14.2	14.3	14.2	13.5	14.1	14.5	14.0	13.6	13.5
1976.....	13.3	13.6	12.8	13.0	12.4	13.5	13.0	13.4	12.9	13.2	13.2	13.4
1977.....	12.7	13.1	13.0	12.3	12.9	13.2	13.2	14.2	13.3	13.5	13.6	12.5
1978.....	12.9	11.8	12.5	11.8	12.3	11.9	12.5	11.6	11.5	11.2	11.7	11.4
1979.....	11.3	11.8	11.3	11.7	11.5	11.2	11.0	11.0	10.8	11.5	10.9	11.3
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS 16-19 YEARS												
1975.....	39.9	36.6	39.6	37.6	36.6	35.5	35.0	37.7	36.0	36.5	35.0	36.6
1976.....	35.6	35.7	35.3	38.3	37.5	40.5	33.7	40.6	38.3	38.0	36.5	35.4
1977.....	36.6	37.2	38.5	35.7	37.8	39.3	40.4	40.6	38.0	37.9	39.2	38.2
1978.....	39.1	37.6	38.7	35.0	37.7	36.3	36.6	33.9	35.5	34.1	36.3	34.6
1979.....	33.0	34.9	31.5	34.3	36.1	33.5	31.5	32.6	32.3	35.1	32.8	34.3
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1975.....	10.5	10.9	11.5	11.9	12.0	12.1	11.4	11.9	12.4	11.8	11.6	11.3
1976.....	11.1	11.5	10.5	10.5	10.0	11.2	11.1	10.8	10.6	10.9	11.1	11.4
1977.....	10.6	11.0	10.7	10.3	10.8	10.7	10.6	11.5	11.0	11.1	11.1	10.1
1978.....	10.4	9.3	10.0	9.6	9.8	9.5	9.9	9.4	9.2	9.0	9.4	9.2
1979.....	9.2	9.5	9.4	9.5	9.1	9.2	9.1	9.1	8.9	9.3	8.9	9.3
UNEMPLOYMENT RATE - BLACK AND OTHER MALES												
1975.....	12.8	13.0	13.7	14.3	14.0	14.4	13.8	13.9	14.3	13.8	13.5	13.5
1976.....	13.1	13.2	12.4	12.4	11.9	13.6	12.2	12.5	12.3	12.7	13.1	13.2
1977.....	12.2	12.3	12.1	10.6	12.3	12.4	12.8	14.1	12.8	13.2	12.2	11.3
1978.....	12.2	11.2	11.2	11.1	11.3	10.4	10.7	10.6	10.5	10.1	10.9	10.5
1979.....	10.3	10.9	10.8	10.6	10.3	10.0	10.1	9.8	9.8	10.5	10.2	10.5
UNEMPLOYMENT RATE - BLACK AND OTHER MALES 16-19 YEARS												
1975.....	39.7	32.8	36.9	36.5	34.9	36.9	34.9	38.3	33.3	36.1	31.3	33.0
1976.....	33.1	34.8	31.9	35.9	35.7	39.9	28.9	38.8	38.9	38.1	34.9	35.0
1977.....	34.3	37.4	38.9	34.5	37.8	36.7	39.4	40.2	35.2	36.4	37.5	35.7
1978.....	36.2	34.7	36.7	33.8	37.5	32.4	32.6	31.6	34.7	31.9	36.9	33.8
1979.....	33.9	34.2	31.5	32.0	30.4	31.4	30.5	28.4	29.6	32.0	31.1	33.2
UNEMPLOYMENT RATE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1975.....	10.2	10.9	11.5	12.1	12.1	12.2	11.9	11.7	12.6	11.7	11.9	11.7
1976.....	11.1	11.1	10.5	10.1	9.7	11.3	10.7	10.0	9.8	10.3	11.0	11.1
1977.....	10.2	10.0	9.7	8.6	10.0	10.1	10.2	11.4	10.6	10.9	9.6	8.9
1978.....	9.9	8.8	8.7	8.9	8.8	8.3	8.4	8.6	8.3	8.0	8.4	8.3
1979.....	8.0	8.6	8.7	8.6	8.4	8.1	8.4	8.1	8.0	8.6	8.4	8.6
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES												
1975.....	13.4	13.7	14.4	14.1	14.6	13.9	13.1	14.4	14.8	14.2	13.7	13.6
1976.....	13.6	14.2	13.2	13.6	12.9	13.5	13.9	14.4	13.6	13.7	13.4	13.5
1977.....	13.4	14.1	14.0	14.1	13.6	14.2	13.7	14.2	14.0	13.8	15.2	13.9
1978.....	13.6	12.5	14.0	12.5	13.4	13.5	14.4	12.6	12.5	12.4	12.7	12.4
1979.....	12.4	12.7	11.8	12.9	12.8	12.5	11.9	12.4	11.9	12.5	11.6	12.2
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES 16-19 YEARS												
1975.....	40.0	41.1	42.8	38.9	38.4	33.9	35.2	37.0	38.8	37.0	39.0	40.3
1976.....	38.4	36.8	39.2	41.1	39.5	41.3	39.2	42.6	37.4	38.0	38.3	35.9
1977.....	39.3	37.1	38.1	37.0	37.8	42.3	41.7	41.2	41.2	39.6	41.2	41.3
1978.....	42.6	41.2	41.1	36.6	37.9	40.6	41.0	36.3	36.3	36.5	35.6	35.6
1979.....	31.9	35.6	31.6	36.8	42.5	35.9	32.7	37.5	35.4	38.4	34.6	35.4
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1975.....	10.7	10.8	11.6	11.5	12.0	11.9	10.9	12.1	12.2	11.9	11.2	10.9
1976.....	11.2	12.0	10.6	11.0	10.3	11.2	11.6	11.6	11.5	11.5	11.2	11.7
1977.....	11.1	12.1	11.9	12.1	11.6	11.5	11.1	11.7	11.5	11.4	12.8	11.4
1978.....	11.0	9.9	11.5	10.4	11.0	10.8	11.7	10.3	10.2	10.1	10.5	10.2
1979.....	10.5	10.4	10.0	10.5	10.0	10.4	10.0	10.3	9.8	10.2	9.5	10.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BLACK WORKERS												
1975.....	14.0	13.9	14.9	15.2	15.1	15.0	14.2	15.2	15.4	14.8	14.5	14.4
1976.....	14.1	14.0	13.4	13.6	13.1	14.2	13.9	14.2	13.6	13.9	13.8	13.9
1977.....	13.6	13.7	13.7	12.6	13.6	13.9	14.0	15.1	14.5	14.5	14.5	13.4
1978.....	13.8	12.5	13.0	12.6	13.0	12.7	13.0	12.2	12.0	11.7	12.5	12.2
1979.....	12.1	12.7	12.2	12.6	12.4	12.1	12.0	12.2	11.8	12.3	11.6	12.0
UNEMPLOYMENT RATE - BLACK WORKERS 16-19 YEARS												
1975.....	42.7	37.7	40.4	40.6	39.5	38.4	36.4	42.9	40.2	40.1	36.8	38.1
1976.....	37.1	36.6	37.3	37.8	40.2	42.6	37.4	42.6	40.1	40.3	39.5	39.0
1977.....	40.4	40.5	40.9	37.1	40.3	42.2	44.2	43.6	40.9	40.6	41.6	40.5
1978.....	41.3	40.6	41.7	38.6	40.2	38.3	38.6	37.4	36.9	35.2	38.3	36.8
1979.....	34.2	37.4	33.6	37.0	37.6	37.1	36.1	36.9	36.4	39.0	36.0	36.8
UNEMPLOYMENT RATE - BLACK WORKERS 20 YEARS AND OVER												
1975.....	11.1	11.5	12.3	12.6	12.6	12.6	12.0	12.6	12.9	12.4	12.4	12.1
1976.....	11.8	11.8	11.0	11.1	10.4	11.7	11.8	11.4	11.1	11.4	11.4	11.6
1977.....	11.2	11.3	11.4	10.5	11.2	11.1	11.1	12.2	11.9	11.9	11.8	10.7
1978.....	11.1	9.8	10.2	10.2	10.3	10.1	10.4	9.8	9.6	9.5	10.0	9.8
1979.....	10.0	10.2	10.2	10.2	10.0	9.8	9.9	10.1	9.6	9.9	9.4	9.8
UNEMPLOYMENT RATE - BLACK MALES												
1975.....	13.8	13.4	14.5	15.4	14.8	15.5	14.5	15.0	15.2	14.7	14.6	14.6
1976.....	13.9	13.6	13.0	13.0	12.9	14.2	13.3	13.4	13.3	13.5	13.8	13.6
1977.....	12.9	12.7	12.8	10.7	13.2	12.8	13.6	15.3	13.8	14.1	13.2	12.2
1978.....	13.2	12.0	11.8	11.9	11.8	11.0	11.3	11.2	10.9	10.6	11.7	11.2
1979.....	11.2	11.8	11.7	11.3	11.1	10.8	11.2	11.0	10.7	11.3	10.9	11.3
UNEMPLOYMENT RATE - BLACK MALES 16-19 YEARS												
1975.....	42.3	33.4	37.3	40.2	38.0	39.0	35.8	44.6	37.2	40.0	33.9	35.7
1976.....	34.5	34.4	33.4	33.5	39.2	43.1	34.0	40.0	40.0	39.7	36.8	37.5
1977.....	37.7	39.6	40.5	34.3	39.8	37.7	42.5	43.5	37.5	38.8	39.4	37.2
1978.....	38.5	37.8	40.0	37.7	38.8	33.7	35.4	35.6	36.1	31.7	38.1	35.1
1979.....	34.6	35.9	32.9	33.7	30.4	34.4	35.8	32.2	33.3	35.6	34.3	36.5
UNEMPLOYMENT RATE - BLACK MALES 20 YEARS AND OVER												
1975.....	11.0	11.4	12.3	12.8	12.5	13.0	12.4	12.4	13.2	12.4	12.8	12.7
1976.....	11.8	11.7	11.1	10.8	10.3	11.6	11.4	10.8	10.7	11.0	11.6	11.3
1977.....	10.6	10.3	10.3	8.7	10.7	10.3	10.6	12.1	11.4	11.6	10.4	9.6
1978.....	10.7	9.4	8.9	9.3	9.1	8.8	8.8	8.9	8.5	8.6	9.1	8.9
1979.....	8.9	9.4	9.6	9.1	9.1	8.7	9.1	9.1	8.7	9.1	8.8	9.2
UNEMPLOYMENT RATE - BLACK FEMALES												
1975.....	14.2	14.5	15.3	15.0	15.4	14.4	13.8	15.4	15.6	15.0	14.4	14.2
1976.....	14.4	14.3	13.8	14.3	13.4	14.2	14.7	15.2	14.0	14.2	13.8	14.2
1977.....	14.5	14.9	14.8	14.8	14.0	15.1	14.4	14.9	15.2	14.9	16.0	14.7
1978.....	14.3	13.0	14.3	13.5	14.3	14.4	14.9	13.2	13.1	13.0	13.4	13.3
1979.....	13.1	13.7	12.8	13.9	13.9	13.5	12.9	13.5	13.0	13.5	12.3	12.7
UNEMPLOYMENT RATE - BLACK FEMALES 16-19 YEARS												
1975.....	43.2	42.7	43.9	41.0	41.1	37.6	37.1	41.1	43.4	40.3	39.8	40.5
1976.....	40.2	39.0	41.5	43.1	41.3	42.1	41.4	45.6	40.3	41.1	42.7	40.9
1977.....	43.4	41.6	41.4	40.2	41.1	47.4	46.6	43.8	44.9	42.9	44.3	44.6
1978.....	44.7	44.1	43.7	39.7	41.8	43.1	42.2	39.1	37.6	38.9	38.4	38.5
1979.....	33.7	39.1	34.3	40.6	46.2	40.0	36.4	42.6	39.9	42.6	37.8	37.1
UNEMPLOYMENT RATE - BLACK FEMALES 20 YEARS AND OVER												
1975.....	11.3	11.6	12.4	12.3	12.8	12.2	11.5	12.9	12.7	12.4	11.8	11.4
1976.....	11.8	11.9	10.9	11.4	10.6	11.7	12.2	12.2	11.7	11.9	11.2	12.0
1977.....	11.9	12.6	12.6	12.6	11.8	11.9	11.6	12.2	12.3	12.2	13.3	12.0
1978.....	11.6	10.1	11.5	11.1	11.6	11.5	12.2	10.6	10.8	10.5	11.0	10.8
1979.....	11.2	11.1	10.8	11.3	10.9	11.1	10.8	11.1	10.5	10.8	10.0	10.3
UNEMPLOYMENT RATE - MARRIED WORKERS, SPOUSE PRESENT												
1975.....	5.8	5.8	6.2	6.6	6.8	6.5	6.2	6.0	6.1	6.0	5.7	5.6
1976.....	5.3	5.2	5.1	5.1	5.1	5.3	5.4	5.3	5.4	5.3	5.3	5.1
1977.....	4.9	5.1	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.5	4.4	4.2
1978.....	4.0	3.8	3.9	3.7	4.0	3.8	3.8	3.8	3.7	3.6	3.5	3.6
1979.....	3.6	3.6	3.6	3.7	3.5	3.6	3.6	3.8	3.6	3.8	3.6	3.7
UNEMPLOYMENT RATE - MARRIED MEN, SPOUSE PRESENT												
1975.....	4.6	4.7	5.1	5.5	5.8	5.6	5.4	5.2	5.3	5.2	4.9	4.7
1976.....	4.3	4.2	4.2	4.1	4.1	4.4	4.4	4.2	4.4	4.2	4.3	4.2
1977.....	4.0	4.1	3.8	3.7	3.7	3.5	3.4	3.4	3.3	3.6	3.3	3.2
1978.....	3.0	2.9	3.0	2.8	2.9	2.8	2.7	2.7	2.7	2.6	2.4	2.6
1979.....	2.6	2.6	2.6	2.7	2.5	2.7	2.8	2.9	2.9	2.9	2.9	2.8
UNEMPLOYMENT RATE - MARRIED WOMEN, SPOUSE PRESENT												
1975.....	8.1	8.0	8.4	8.8	8.8	8.2	7.7	7.6	7.6	7.5	7.3	7.2
1976.....	7.2	7.2	6.9	7.0	6.9	7.1	7.4	7.4	7.2	7.2	7.0	6.9
1977.....	6.6	6.9	6.9	6.8	6.5	6.7	6.5	6.4	6.3	6.2	6.3	6.0
1978.....	5.8	5.4	5.3	5.1	6.0	5.5	5.6	5.6	5.5	5.2	5.4	5.5
1979.....	5.3	5.3	5.2	5.2	5.2	5.1	4.9	5.3	4.8	5.2	4.8	5.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - WOMEN WHO HEAD FAMILIES												
1975.....	8.9	9.7	9.9	9.5	10.6	10.1	10.4	9.8	9.7	10.3	10.0	10.3
1976.....	10.6	10.2	9.5	9.6	9.2	9.5	10.0	10.4	10.5	10.4	9.7	10.2
1977.....	9.5	9.4	9.7	9.3	8.8	9.4	9.1	9.7	10.2	9.3	9.3	8.0
1978.....	8.3	7.7	8.7	10.0	9.1	8.7	9.8	8.0	8.1	7.5	7.8	7.9
1979.....	8.0	8.3	8.2	8.3	8.6	9.0	8.1	7.9	7.7	8.4	8.4	8.4
UNEMPLOYMENT RATE - FULL-TIME WORKERS												
1975.....	7.6	7.7	8.2	8.5	8.8	8.5	8.4	8.0	8.3	8.2	8.0	7.7
1976.....	7.4	7.2	7.2	7.1	7.0	7.4	7.2	7.3	7.4	7.3	7.3	7.3
1977.....	6.9	7.0	6.8	6.7	6.6	6.6	6.5	6.5	6.3	6.3	6.2	5.8
1978.....	5.9	5.7	5.7	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3
1979.....	5.2	5.2	5.2	5.3	5.2	5.2	5.3	5.4	5.3	5.4	5.4	5.4
UNEMPLOYMENT RATE - FULL-TIME WORKERS 16-19 YEARS												
1975.....	21.0	20.6	21.7	21.7	22.1	24.2	23.0	22.6	21.2	21.2	20.4	21.2
1976.....	21.3	19.5	20.1	21.2	19.8	21.4	17.9	21.4	20.6	20.5	19.5	19.9
1977.....	19.1	19.4	18.7	18.9	18.3	19.0	18.1	18.2	17.5	17.1	17.6	16.2
1978.....	16.8	17.5	17.5	16.8	16.6	13.8	17.2	15.2	16.5	16.5	17.0	17.1
1979.....	16.0	16.2	15.9	16.6	16.3	15.0	15.9	17.1	17.4	16.9	16.6	16.9
UNEMPLOYMENT RATE - FULL-TIME MALES 20 YEARS AND OVER												
1975.....	5.9	6.1	6.6	7.0	7.1	7.0	7.0	6.6	7.1	6.9	6.6	6.3
1976.....	5.8	5.6	5.5	5.5	5.5	6.0	5.9	5.7	5.9	5.8	5.9	5.9
1977.....	5.4	5.6	5.3	5.2	5.2	5.1	5.0	5.0	4.7	4.9	4.5	4.3
1978.....	4.4	4.3	4.3	4.1	4.2	3.9	4.0	3.9	3.9	3.9	3.7	3.9
1979.....	3.9	3.8	3.8	3.9	3.8	3.9	4.0	4.1	4.0	4.1	4.2	4.1
UNEMPLOYMENT RATE - FULL-TIME FEMALES 20 YEARS AND OVER												
1975.....	8.2	8.3	8.6	8.9	9.4	8.5	8.4	8.0	8.1	8.3	8.1	7.9
1976.....	7.9	7.8	7.7	7.5	7.3	7.5	7.7	7.7	7.7	7.7	7.6	7.6
1977.....	7.3	7.2	7.4	7.3	7.1	7.1	7.0	7.2	7.1	6.9	7.0	6.6
1978.....	6.5	6.0	6.1	5.9	6.3	6.1	6.5	5.9	6.0	5.4	5.6	5.7
1979.....	5.6	5.8	5.6	5.7	5.7	5.7	5.6	5.8	5.5	5.7	5.5	5.6
UNEMPLOYMENT RATE - PART-TIME WORKERS												
1975.....	10.3	10.1	10.6	10.4	10.6	10.2	9.9	10.5	10.2	10.4	10.1	10.5
1976.....	10.3	10.4	9.9	10.5	10.0	9.2	10.9	10.2	9.8	10.2	10.4	9.7
1977.....	10.2	10.9	10.6	9.7	9.7	10.7	9.6	9.2	9.8	9.5	9.6	8.7
1978.....	9.0	8.8	9.3	9.4	8.9	9.0	9.1	8.8	9.0	8.9	9.0	9.1
1979.....	9.1	8.8	9.0	8.7	9.3	8.6	8.3	8.8	8.4	8.9	8.3	8.5
UNEMPLOYMENT RATE - PART-TIME WORKERS 16-19 YEARS												
1975.....	17.9	17.6	17.9	18.0	17.7	17.0	17.5	18.1	17.5	18.2	17.4	17.8
1976.....	17.7	18.4	17.4	17.5	16.9	15.4	18.4	17.0	16.4	17.0	18.7	17.8
1977.....	18.5	17.0	18.6	16.9	17.2	18.8	16.8	15.9	18.7	17.1	16.8	14.4
1978.....	16.3	16.7	16.9	16.5	15.9	17.0	16.1	16.0	16.1	15.6	15.5	16.0
1979.....	15.8	15.8	15.5	16.0	16.8	15.5	15.4	15.5	15.1	15.9	15.1	15.2
UNEMPLOYMENT RATE - PART-TIME MALES 20 YEARS AND OVER												
1975.....	7.3	7.9	8.5	8.4	10.5	8.2	8.3	8.7	9.2	9.2	9.1	8.7
1976.....	9.0	9.0	9.0	9.9	8.9	8.8	8.7	8.6	7.9	8.7	8.3	8.0
1977.....	8.8	9.5	8.1	8.0	9.2	8.7	7.5	7.6	6.6	7.3	7.6	7.8
1978.....	7.7	6.2	7.7	7.5	6.5	6.4	6.9	6.6	6.8	6.4	6.6	7.0
1979.....	6.1	6.0	6.8	6.4	6.6	6.6	6.8	6.7	6.8	6.6	5.7	5.9
UNEMPLOYMENT RATE - PART-TIME FEMALES 20 YEARS AND OVER												
1975.....	7.0	6.7	7.2	6.9	6.6	7.1	6.3	7.0	6.4	6.5	6.2	6.9
1976.....	6.6	6.6	6.0	6.8	6.5	5.6	7.4	6.8	6.9	6.9	6.5	5.8
1977.....	6.2	7.9	7.1	6.4	5.8	7.0	6.3	5.8	6.1	6.0	6.3	5.9
1978.....	5.5	5.3	5.5	6.1	6.0	5.8	6.1	5.5	5.8	6.0	6.1	6.0
1979.....	6.4	6.0	6.2	5.5	6.1	5.6	5.1	6.0	5.5	5.9	5.5	5.9
UNEMPLOYMENT RATE - WHITE-COLLAR WORKERS												
1975.....	4.4	4.4	4.6	4.8	5.3	4.9	4.8	4.6	4.8	4.8	4.7	4.8
1976.....	4.6	4.6	4.6	4.8	4.6	4.5	4.8	4.9	4.5	4.5	4.6	4.5
1977.....	4.5	4.7	4.7	4.5	4.3	4.3	4.1	4.1	4.2	4.1	4.2	3.9
1978.....	3.7	3.6	3.4	3.6	3.7	3.5	3.8	3.4	3.5	3.2	3.3	3.5
1979.....	3.4	3.4	3.3	3.3	3.2	3.4	3.3	3.5	3.3	3.4	3.2	3.3
UNEMPLOYMENT RATE - PROFESSIONAL AND TECHNICAL WORKERS												
1975.....	2.8	3.1	3.0	3.3	3.6	3.4	3.5	3.0	3.3	3.2	3.4	3.1
1976.....	3.0	3.5	3.6	3.3	3.2	3.0	3.2	3.1	3.0	3.1	3.3	3.2
1977.....	3.2	3.3	3.2	3.3	3.1	3.1	2.9	2.9	2.9	2.8	2.8	2.7
1978.....	2.7	2.6	2.7	2.6	2.6	2.5	2.5	2.5	2.6	2.7	2.4	3.0
1979.....	2.5	2.4	2.2	2.3	2.1	2.5	2.5	2.5	2.4	2.7	2.4	2.3
UNEMPLOYMENT RATE - MANAGERS AND ADMINISTRATORS, EXCEPT FARM												
1975.....	3.1	2.7	2.8	3.2	3.2	3.0	2.9	3.0	3.4	3.0	2.9	3.0
1976.....	2.9	3.0	2.8	2.8	3.1	3.2	3.4	3.5	3.2	3.0	3.0	3.1
1977.....	2.9	3.0	3.2	3.0	2.8	2.8	2.6	2.5	2.4	2.6	2.9	2.5
1978.....	2.5	2.0	2.1	2.0	2.1	2.0	2.3	1.9	2.1	1.8	2.2	1.9
1979.....	2.0	2.0	2.1	2.3	2.2	2.1	2.0	2.3	2.2	2.2	1.9	2.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - SALES WORKERS												
1975.....	5.3	5.4	6.1	6.0	6.0	6.0	5.1	5.7	5.8	5.9	6.0	6.2
1976.....	6.0	5.4	5.1	5.2	4.9	5.3	5.3	5.7	5.5	5.3	5.7	5.2
1977.....	5.7	5.6	5.6	5.3	5.5	5.2	5.3	5.1	5.0	4.9	5.0	4.9
1978.....	4.0	4.3	4.4	4.3	4.4	4.3	4.3	4.0	4.2	4.1	3.3	3.7
1979.....	4.0	4.2	4.1	4.0	4.0	4.4	3.5	4.0	3.8	3.8	3.7	3.8
UNEMPLOYMENT RATE - CLERICAL WORKERS												
1975.....	6.1	6.1	6.5	6.5	7.6	6.7	6.7	6.5	6.5	6.7	6.4	6.7
1976.....	6.5	6.2	6.2	7.0	6.4	6.2	6.6	7.0	6.2	6.2	6.2	6.1
1977.....	6.1	6.4	6.3	6.0	5.7	5.8	5.4	5.7	6.0	5.7	5.7	5.4
1978.....	5.1	5.0	4.4	5.1	5.3	5.1	5.5	4.8	4.7	4.2	4.6	4.7
1979.....	4.7	4.7	4.8	4.5	4.5	4.6	4.5	4.9	4.5	4.7	4.4	4.6
UNEMPLOYMENT RATE - BLUE-COLLAR WORKERS												
1975.....	10.8	10.7	12.1	12.7	13.0	12.7	12.3	11.7	11.7	11.3	10.9	10.4
1976.....	9.7	9.4	9.3	9.2	9.1	9.5	9.5	9.5	9.6	9.3	9.3	9.3
1977.....	8.7	8.8	8.5	8.1	8.1	8.1	8.0	8.1	7.7	7.8	7.5	7.0
1978.....	7.4	7.2	7.2	6.7	6.7	6.7	6.8	6.7	6.9	6.7	6.4	6.7
1979.....	6.5	6.5	6.6	6.9	6.8	6.6	6.8	7.3	7.1	7.2	7.5	7.2
UNEMPLOYMENT RATE - CRAFT AND KINDRED WORKERS												
1975.....	7.3	6.4	8.5	8.8	9.5	9.1	9.1	8.5	8.8	8.5	7.9	7.0
1976.....	6.9	6.7	6.7	7.2	6.6	7.2	7.2	7.0	7.0	6.5	6.8	6.7
1977.....	6.2	6.3	5.9	5.2	5.9	5.7	5.6	5.5	5.3	5.2	5.1	5.0
1978.....	5.2	4.9	4.9	4.6	4.6	4.4	4.1	4.4	4.9	4.7	4.0	4.6
1979.....	4.4	4.5	4.5	4.4	4.2	4.3	4.4	4.7	4.3	4.6	4.9	4.4
UNEMPLOYMENT RATE - OPERATIVES, EXCEPT TRANSPORT												
1975.....	14.1	14.7	15.7	16.5	16.3	16.0	15.1	14.4	13.9	13.1	12.9	12.6
1976.....	11.0	10.8	10.7	10.3	10.7	10.9	10.8	10.7	10.8	11.0	10.7	10.7
1977.....	9.9	10.0	9.8	9.8	9.0	9.5	9.8	9.3	9.4	9.6	9.2	8.2
1978.....	8.6	8.4	9.3	8.0	8.3	8.1	8.2	8.5	8.0	7.5	7.6	7.8
1979.....	7.8	7.8	7.8	8.5	8.2	7.7	8.3	8.9	9.0	9.1	9.0	9.0
UNEMPLOYMENT RATE - TRANSPORT EQUIPMENT OPERATIVES												
1975.....	7.3	7.9	7.7	8.7	8.6	8.6	8.4	8.8	9.5	9.2	8.9	8.7
1976.....	8.6	7.7	7.9	6.7	6.4	7.8	7.7	7.4	7.8	7.9	8.3	7.7
1977.....	7.3	7.8	7.2	6.6	6.6	6.3	6.9	6.9	5.6	6.1	5.6	5.6
1978.....	5.5	5.1	5.3	5.4	5.6	5.0	5.6	5.2	5.1	4.8	4.5	5.3
1979.....	5.0	5.0	5.2	5.9	5.4	5.7	5.1	6.2	6.1	5.6	5.2	5.0
UNEMPLOYMENT RATE - NONFARM LABORERS												
1975.....	14.3	14.1	16.0	16.4	16.9	16.5	16.3	15.8	15.7	16.1	15.2	14.6
1976.....	14.4	14.0	13.0	13.2	13.5	13.6	13.6	14.4	14.6	13.5	12.8	13.5
1977.....	13.2	12.9	13.0	12.9	12.4	11.9	10.9	12.4	11.1	11.7	11.4	10.2
1978.....	11.3	11.6	11.6	10.3	8.8	10.3	10.7	9.4	10.6	11.1	11.3	10.4
1979.....	9.7	9.7	10.2	10.6	11.1	10.6	11.0	11.3	11.0	10.7	12.2	12.2
UNEMPLOYMENT RATE - SERVICE WORKERS												
1975.....	7.9	7.7	8.3	8.4	8.7	8.6	8.5	9.3	8.9	8.9	8.6	9.0
1976.....	9.0	9.0	8.7	8.4	8.1	8.7	8.6	8.6	8.7	9.1	9.2	8.7
1977.....	8.6	8.6	8.1	8.3	8.9	8.3	7.7	8.4	7.9	7.9	7.7	7.6
1978.....	7.5	7.3	7.8	7.6	7.6	7.2	7.4	7.2	7.4	6.9	7.4	7.7
1979.....	7.7	7.3	7.3	7.3	7.2	7.2	7.1	7.1	6.7	6.8	6.6	6.6
UNEMPLOYMENT RATE - PRIVATE HOUSEHOLD WORKERS												
1975.....	4.6	4.7	4.9	4.8	5.8	3.3	5.2	6.1	7.2	6.0	5.8	7.0
1976.....	5.8	7.0	6.1	5.9	5.4	5.6	5.5	5.9	3.6	6.1	6.1	5.2
1977.....	5.2	5.2	5.3	5.1	5.9	5.6	5.0	4.2	4.7	4.4	4.7	4.2
1978.....	5.1	5.0	5.2	4.4	4.8	4.8	5.6	5.9	3.9	5.4	5.6	5.8
1979.....	5.4	4.6	4.8	5.3	4.8	3.8	4.8	4.8	4.7	5.1	3.9	5.4
UNEMPLOYMENT RATE - OTHER SERVICE WORKERS												
1975.....	8.2	8.0	8.7	8.8	9.0	9.2	8.9	9.7	9.0	9.2	8.9	9.2
1976.....	9.3	9.2	9.0	8.7	8.4	9.0	8.9	8.8	9.2	9.4	9.5	9.1
1977.....	8.9	9.0	8.3	8.6	9.1	8.6	8.0	8.9	8.2	8.3	8.0	8.0
1978.....	7.7	7.6	8.0	8.0	7.9	7.5	7.6	7.3	7.7	7.1	7.5	7.8
1979.....	8.0	7.5	7.5	7.5	7.4	7.5	7.3	7.3	6.9	7.0	6.8	6.7
UNEMPLOYMENT RATE - FARM WORKERS												
1975.....	3.8	3.0	3.5	3.5	3.2	3.3	3.0	4.0	3.7	3.9	3.8	4.2
1976.....	4.3	3.5	4.2	4.5	4.7	4.3	4.6	4.0	3.9	4.2	5.1	6.2
1977.....	4.9	5.6	5.0	4.9	4.5	5.1	4.0	4.2	4.5	4.3	4.1	4.1
1978.....	4.2	3.9	4.6	3.2	3.7	3.3	3.6	3.7	3.9	4.5	3.4	3.3
1979.....	2.9	3.4	3.3	3.4	3.6	3.2	4.2	3.9	4.1	4.3	4.5	4.3
UNEMPLOYMENT RATE - FARM LABORERS AND SUPERVISORS												
1975.....	7.6	6.3	7.2	7.6	6.5	6.9	6.1	8.1	7.5	7.8	7.9	8.6
1976.....	8.8	7.0	8.4	8.6	9.7	8.7	9.1	8.0	7.8	8.6	10.2	11.6
1977.....	9.8	11.0	10.1	9.5	8.8	9.9	7.7	8.2	8.8	8.5	8.0	8.0
1978.....	8.2	7.7	8.9	6.5	7.2	6.7	7.3	7.3	7.5	9.0	6.5	6.8
1979.....	5.8	6.9	6.6	7.0	7.1	6.4	8.5	7.7	8.3	8.6	9.0	8.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - TOTAL WAGE AND SALARY WORKERS												
1975.....	7.7	7.8	8.3	8.7	9.0	8.7	8.4	8.3	8.3	8.2	8.0	7.9
1976.....	7.6	7.4	7.2	7.3	7.2	7.3	7.5	7.4	7.3	7.3	7.4	7.3
1977.....	7.0	7.2	7.0	6.7	6.8	6.6	6.4	6.5	6.3	6.3	6.3	5.9
1978.....	5.9	5.7	5.8	5.6	5.7	5.5	5.7	5.4	5.6	5.4	5.3	5.5
1979.....	5.4	5.3	5.4	5.4	5.4	5.3	5.4	5.7	5.5	5.6	5.5	5.5
UNEMPLOYMENT RATE - WAGE AND SALARY WORKERS IN AGRICULTURAL INDUSTRIES												
1975.....	10.6	8.9	10.5	11.2	9.3	10.3	8.9	11.3	11.0	10.9	10.3	11.5
1976.....	11.4	10.4	10.9	11.4	12.8	11.3	11.6	11.0	11.2	11.4	13.4	13.4
1977.....	13.0	12.7	12.6	12.5	11.7	11.4	9.4	10.0	10.4	10.3	9.3	9.7
1978.....	9.3	9.5	10.0	8.0	7.8	8.5	9.1	8.6	8.5	9.7	7.8	8.0
1979.....	7.5	8.6	8.0	8.7	9.3	7.8	9.7	9.9	10.0	9.9	10.1	9.4
UNEMPLOYMENT RATE - WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	7.7	7.7	8.2	8.6	9.0	8.6	8.4	8.2	8.3	8.1	7.9	7.8
1976.....	7.5	7.3	7.1	7.2	7.1	7.2	7.4	7.4	7.2	7.2	7.3	7.2
1977.....	6.9	7.1	6.9	6.6	6.7	6.5	6.3	6.4	6.3	6.3	6.2	5.8
1978.....	5.9	5.7	5.7	5.6	5.6	5.4	5.7	5.4	5.5	5.3	5.3	5.5
1979.....	5.4	5.3	5.3	5.3	5.3	5.3	5.4	5.6	5.4	5.6	5.5	5.4
JNEMPLOYMENT RATE - GOVERNMENT WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	3.5	3.6	3.8	3.8	4.6	4.0	4.1	4.0	4.3	4.3	3.8	4.3
1976.....	4.2	4.5	4.5	5.0	4.6	4.3	4.5	4.3	4.1	4.4	4.2	4.2
1977.....	4.2	4.6	4.1	4.2	4.1	4.2	3.9	4.2	4.2	4.0	4.3	4.2
1978.....	4.1	3.6	3.7	3.9	4.1	4.1	4.1	3.6	4.0	3.9	3.8	3.9
1979.....	3.9	3.8	4.1	3.7	3.6	3.6	3.6	3.7	3.3	4.0	3.6	3.6
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1975.....	8.6	8.7	9.2	9.7	10.0	9.7	9.4	9.2	9.2	9.0	8.9	8.6
1976.....	8.2	8.0	7.8	7.7	7.6	7.9	8.0	8.1	8.0	7.9	8.0	7.8
1977.....	7.5	7.6	7.5	7.1	7.3	7.0	6.9	6.9	6.7	6.8	6.7	6.2
1978.....	6.3	6.1	6.1	5.9	6.0	5.7	6.0	5.8	5.9	5.6	5.6	5.8
1979.....	5.7	5.6	5.6	5.7	5.7	5.6	5.7	6.0	5.8	5.9	5.8	5.8
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN CONSTRUCTION												
1975.....	15.6	16.3	17.8	19.2	21.8	20.0	19.6	19.6	18.8	18.0	17.4	16.7
1976.....	15.4	15.4	15.7	15.6	14.9	16.5	17.0	17.2	16.2	14.7	15.3	14.0
1977.....	14.6	14.5	13.8	12.6	13.6	12.8	12.2	12.1	10.9	11.8	11.2	10.2
1978.....	11.2	10.7	11.0	9.9	9.9	9.8	10.0	9.8	11.4	11.1	10.5	11.4
1979.....	10.3	10.9	10.1	10.5	10.0	10.0	10.0	10.1	9.6	9.9	10.2	10.3
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN MANUFACTURING												
1975.....	10.3	10.7	11.3	12.0	12.3	12.1	11.5	10.8	10.6	10.2	9.9	9.2
1976.....	8.5	8.1	7.6	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.7	8.0
1977.....	7.2	7.3	7.0	6.8	6.5	6.5	6.6	6.6	6.7	6.5	6.3	5.7
1978.....	5.8	5.8	5.6	5.3	5.7	5.7	5.5	5.4	5.2	5.0	5.1	5.1
1979.....	5.1	4.9	5.2	5.3	5.4	5.4	5.7	5.9	6.0	6.0	5.9	5.9
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN DURABLE GOODS												
1975.....	10.3	10.7	11.2	12.4	12.6	12.9	12.1	11.6	11.3	10.5	10.2	9.4
1976.....	8.6	8.1	7.9	7.7	7.7	7.7	7.4	7.3	7.2	7.5	7.1	7.8
1977.....	6.8	7.2	6.6	6.2	6.0	5.8	6.0	6.0	6.2	5.8	5.7	5.6
1978.....	5.4	5.2	5.1	4.6	5.1	5.0	5.0	5.2	4.8	4.5	4.6	4.4
1979.....	4.4	4.2	4.4	4.7	4.4	4.9	5.4	5.4	5.3	5.5	5.6	5.5
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN NONDURABLE GOODS												
1975.....	10.3	10.8	11.4	11.4	11.8	11.1	10.5	9.6	9.6	9.6	9.4	8.9
1976.....	8.4	8.2	7.2	7.7	7.7	7.9	8.3	8.6	8.4	8.1	8.5	8.4
1977.....	7.9	7.6	7.5	7.7	7.3	7.4	7.5	7.6	7.6	7.6	7.2	5.8
1978.....	6.4	6.7	6.4	6.4	6.4	6.7	6.4	5.7	5.9	5.8	5.9	6.1
1979.....	6.1	5.9	6.4	6.3	6.9	6.3	6.2	6.8	7.1	6.8	6.3	6.4
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN TRANSPORTATION AND PUBLIC UTILITIES												
1975.....	5.9	5.2	5.7	6.6	6.2	5.8	5.5	5.6	5.6	5.4	4.7	5.0
1976.....	5.0	4.9	4.6	4.4	5.2	5.3	5.1	4.7	5.1	5.3	5.4	4.9
1977.....	4.7	4.9	5.2	4.7	4.4	4.4	4.5	4.8	4.7	4.7	4.5	4.7
1978.....	4.3	3.5	3.8	4.0	3.9	3.9	3.9	3.7	3.5	3.5	3.2	3.3
1979.....	3.5	3.2	3.9	3.0	3.6	3.1	3.8	3.7	4.0	3.8	4.2	4.1
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN WHOLESALE AND RETAIL TRADE												
1975.....	8.2	8.0	8.6	9.0	8.9	8.8	8.6	8.7	8.9	8.8	9.2	9.2
1976.....	8.7	8.5	8.6	8.3	8.2	8.5	8.7	8.8	8.9	8.6	8.9	8.2
1977.....	8.5	8.7	8.4	7.8	8.4	8.0	7.9	8.1	7.6	7.8	7.4	7.2
1978.....	7.2	7.1	7.4	7.0	6.9	6.3	6.9	6.5	6.8	6.7	6.5	6.9
1979.....	6.6	6.5	6.3	6.6	6.4	6.7	6.3	6.5	6.4	6.4	6.5	6.4
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN FINANCE AND SERVICE INDUSTRIES												
1975.....	6.1	6.2	6.6	6.6	6.9	6.6	6.6	6.3	6.6	7.0	6.8	6.8
1976.....	6.9	6.7	6.2	6.3	6.2	6.4	6.5	6.6	6.4	6.5	6.7	6.7
1977.....	6.2	6.3	6.5	6.2	6.4	6.1	5.7	5.6	5.7	5.7	6.0	5.4
1978.....	5.4	5.2	5.2	5.2	5.2	4.8	5.4	5.1	5.1	4.6	5.0	5.1
1979.....	5.1	4.8	4.8	4.8	4.9	4.7	4.9	5.2	4.7	4.9	4.6	4.7

Explanatory Notes

These explanatory notes provide information on the concepts, methodology, and scope of Household Data (A tables), Establishment Data (B, C, and D tables), and State and Area Unemployment Data (E table) published in *Employment and Earnings*.

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 56,000 households, representing 614 areas in 1,113 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 and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of non-agricultural 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 records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

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

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

Hours of work

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household data

(A tables)

COLLECTION AND COVERAGE

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

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

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

Each month, 56,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 56,000 occupied units, there are 9,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000

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

CONCEPTS

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

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

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

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

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

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

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

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

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria

described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

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

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

Employment-population ratios represent the proportion of the total noninstitutional population that is employed. This measure can also be computed as a ratio of employment and the civilian noninstitutional population.

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

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

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

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

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

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

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

Persons who worked 35 hours or more in the survey week are designated as working "full time," 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 time 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 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 1-34 hours for noneconomic reasons and usually work full time.

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

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

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Alaskan Natives, Asian and Pacific Islanders, and all other "non-white" groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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

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

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975.

Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

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

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

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific jobseeking activity within the past 4 weeks, an exception to the latter condition is made for persons waiting to start a new job in 30 days or waiting to be recalled from layoff; in the past, the current availability test was not applied and the time period for jobseeking was ambiguous; (2) counting as employed persons who were absent from their jobs in the survey week because of strikes, bad weather, etc. and were also looking for other jobs; previously, these persons had been classified as unemployed; (3) sharpening the questions on hours of work, duration of unemployment, and self-employment in order to increase their reliability.

These changes did not affect the unemployment rate by more than one-fifth of a percentage point in either direction, although the distribution of unemployment by sex was affected. The number of employed was reduced about 1 million because of the exclusion of 14- and 15-year-olds. For persons 16 years and over, the only employment series appreciably affected were those relating to hours of work and class of worker. A detailed discussion of the changes and their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged.

In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an 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 determined by the interviewer as before. The purpose of this change is to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households has race determined by the household respondent and seven-eighths of the sample households has race determined by interviewer observation. The corresponding numbers are 2/8 and 6/8 in November 1978, 3/8 and 5/8 in December 1978, 4/8 and 4/8 from January 1979 through September 1979, 5/8 and 3/8 in October 1979, and so on, until the entire sample has race determined by the household respondent in January 1980. Although the impact of this change is presently unknown, it is possible that it will cause a break in the time series given for some racial statistics.

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

Changes in occupational classification system

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

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

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

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

Changes in sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for eight months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. A recent change was introduced in January 1978, when a supplemental sample of housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual

Time period	Number of sample areas ¹	Households eligible		Households visited not eligible ²
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	333 ³	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to present	614	53,500	2,500	9,500

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

² These are households which were visited, but were found to

be vacant or otherwise not eligible for interview.

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

average estimates for States, was incorporated with the existing design. A coverage improvement sample was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 and construction was not completed by the time of the 1970 Census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

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

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

the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 614 sample areas are chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South and West), and secondly, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by

metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportion in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40-age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

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

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

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

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals

and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

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

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

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

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

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

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

Additional information on nonsampling error in the CPS appear 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 paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, No. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, U.S. Department of Commerce, Bureau of the Census. This last document includes a comprehensive and up-to-date discussion of various sources of errors, and describes attempts to measure them in the CPS.

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

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

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

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

Tables C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard

error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables C, E, G and H to compute approximate standard errors, as described below, for levels, labor force participation rates and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note, that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should be multiplied by 1.22.

Table A. Standard errors of major employment status categories

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

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

Illustration. Assume that the tables showed that the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate of 12,000,000 is about 150,000. The 88 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 58 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

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

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

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

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

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

Illustration. For an example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that the tables show that for a certain month the unemployment rate is 6.9 percent based on a total of 95,876,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table E (0.11 percent). The appropriate factor then from table I is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percent.

Table B. Standard errors of unemployment rates for major characteristics

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

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

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

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

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

(In thousands)

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

¹ See footnote 1, table C.

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 E. Standard errors of unemployment rates

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

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

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

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

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

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

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

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

Table 1. Factors to be used with Tables C, E, G, H to compute the approximate standard errors of level, rates and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages

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

Establishment data

(B, C, and D tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS (Washington Office) for use in preparing the national series.

Shuttle schedules

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

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget.

Industry employment

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

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

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid 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 the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as pre-cutting 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 and vacations, and for sick leave when pay is received directly from the firm.

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

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

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series does 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 are derived by multiplying average weekly hours by average hourly earnings. 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 holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

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

industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

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

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

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

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. "Real" earnings for months prior to January 1978 are deflated by the unrevised CPI-W, whereas those for January 1978 forward are deflated by the revised CPI-W. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). 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 monthly average for the 1967 period. 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 aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on non-agricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

Labor turnover

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

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

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

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

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

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

Quits are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), and unauthorized absences, if on the last day of the month

the person has been absent more than 7 consecutive calendar days.

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

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, 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"

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees ..	All-employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. 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.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
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.

See footnotes at end of table.

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups, and, where stratified, ¹ individual cells)
Annual average data—Continued		
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

¹ The estimates result from multiplying the product shown by business birth adjustment factors to compensate for the under representation of newly formed enterprises in the sample.

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 com-

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

for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1978 levels. Normally, benchmark adjustments are made annually.

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

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

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

THE SAMPLE

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

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

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

which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing

divisions generally show less fluctuations from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

Reliability of the employment estimates

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

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

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

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

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

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

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 re-

Table L. Approximate size and coverage of BLS employment and payrolls sample, March 1978¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	161,800	33,453,000	40
Mining	2,100	268,000	38
Construction	15,800	636,000	17
Manufacturing	45,800	11,268,000	56
Transportation and public utilities:			
Railroad transportation (ICC)	39	471,000	91
Other transportation and public utilities ..	7,200	2,093,000	49
Wholesale and retail trade	39,500	3,232,000	17
Finance, insurance, and real estate	10,600	1,701,000	37
Services	23,900	3,104,000	20
Government:			
Federal (Civil Service Commission) ²	4,600	2,725,000	100
State and local	12,300	7,955,000	61

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

² National estimates of Federal employment are provided to BLS by the Office of Personnel Management. State and area estimates are based on a sample of 3,700 reports covering about 55 percent of employment in Federal establishment.

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

Industry	Employees	
	Number reported	Percent of total
Total	10,222,680	47
Manufacturing	9,345,940	46
Mining ¹	186,560	21
Telephone communication. . . .	698,980	72

¹ June 1978 data used due to strike in March.

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

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

[In percent]

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2		
Total private	.3	0.1	0.2
Mining	1.3	.5	.5
Contract construction	1.3	.2	.3
Manufacturing	.3	.1	.1
Durable	.3	.1	.1
Nondurable goods	.5	.1	.1
Transportation and public utilities	.4	.7	.4
Trade	.2	.1	.2
Wholesale	.9	.2	.3
Retail	.2	.2	.2
Finance, insurance, and real estate	.5	.2	.4
Services	.7	.4	.8
Government ³	.1	—	—

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

² Relative errors relate to March 1971 data.

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

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

Size of employment estimate	Root-mean-square error of employment estimates 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.

Table P. Errors of preliminary employment estimates

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

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

STATISTICS FOR STATES AND AREAS

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

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

PRODUCTIVITY DATA

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

Definition

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

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

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payment for the self-employed, except for non-financial 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 households and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate business.

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

State and area unemployment data

(E table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York City, are sufficiently

reliable to be used directly from the CPS. For a description of the CPS concepts see "Explanatory note A, Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 205 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 residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

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

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

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

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

$U=A(X+E) + BX$, Where

U=total entrant unemployment

E=total employment

X=total experienced unemployment

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

3. Correction factors for employment and unemployment are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the six 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 labor force included in the LMA's exhaust the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

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

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

Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, 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 in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are an adaptation of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the methods is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally

adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. In January 1978, modifications were introduced in the procedure for seasonally adjusting teenage nonagricultural employment, a number of other teenage employment series, and adult male unemployment.

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

Revised seasonally adjusted series for major components of the labor force based on data through December 1978, new seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1979 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, women employees, production workers, hours, and earnings, are computed using the *BLS Seasonal Factor Method*. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly

earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted revised Consumer Price Index for Urban Wage Earners and Clerical Workers (revised CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

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

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

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

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON

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

REGION II - NEW YORK

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

REGION III - PHILADELPHIA

3535 Market Street
P.O. Box 13309 (Zip 19101)
Philadelphia, Pa.

REGION IV - ATLANTA

1371 Peachtree Street, N.E.
Atlanta, Ga. 30309

REGION V - CHICAGO

230 S. Dearborn Street
Chicago, Ill. 60604

REGION VI - DALLAS

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

REGIONS VII & VIII - KANSAS CITY

911 Walnut Street
Kansas City, Mo. 64106

REGIONS IX & X - SAN FRANCISCO

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

COOPERATING STATE AGENCIES

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

BLS Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Room 427 Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (CES).
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713
III DIST. OF COL.	-Office of Administration and Management Services, D.C. Department of Manpower, Suite 1000, 605 G Street, N. W., Washington 20001
IV FLORIDA	-Department of Labor and Employment Security, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Street, 15th floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601
VI LOUISIANA	-Department of Labor, P.O. Box 44094--Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, Room 517 St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, John Fitch Plaza, Room 202, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Department of Human Services, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, N.Y. State Department of Labor, State Campus--Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street, N.E., Salem 97311
III PENNSYLVANIA	-Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, 1007 South Washington Street, Olympia 98501
III WEST VIRGINIA	-Department of Employment Security, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601