

# News

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Department  
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## THE EMPLOYMENT SITUATION: FEBRUARY 1978

The overall employment situation continued to show improvement in February, as nonfarm payroll employment rose sharply and unemployment declined further, it was reported today by the Bureau of Labor Statistics of the U. S. Department of Labor. The Nation's overall unemployment rate was 6.1 percent, down from January's 6.3-percent rate and the higher rates which prevailed during 1977.

Nonfarm payroll employment--as measured by the monthly survey of establishments--rose by 350,000 over the month to 84.1 million. Payroll jobs have advanced by 3.1 million over the year. The survey, which relates to the week of February 12th through the 18th, reflected only a marginal impact of the coal strike.

Total employment--as measured by the monthly survey of households--edged up in February to 93.0 million. Employment was about 3.7 million above its year-earlier level (after allowing for the effect of changes in sampling and estimation procedures introduced into the household survey last month).

### Unemployment

Unemployment continued to trend downward, totaling 6.1 million in February, seasonally adjusted. The overall rate of unemployment was 6.1 percent, a small improvement over the month and down by 1.7 percentage points since late 1976.

The reduction in the overall jobless rate was the result of diverse developments among the major worker groups. The jobless rate for adult women fell 0.4 percentage point to 5.7 percent, that for adult men edged down 0.2 point to 4.5 percent, while there was an increase in the teenage unemployment rate from 16.0 to 17.4 percent over the month.

The unemployment rate for black workers declined nearly a full percentage point to 11.8 percent, with most of this improvement occurring among adult men. The rate for white workers also declined, albeit slightly, as joblessness dropped for adult women. Over the year most of the decline in unemployment has taken place among whites, whose level of unemployment has fallen by 20 percent, while joblessness for black workers has been reduced by only 5 percent.

(See table A-2.)

The average (mean) duration of unemployment fell by about one-half week in February to 12.5 weeks, reflecting a relatively large decline in the number of persons unemployed 6 months or more. Half of the unemployed have been looking for work for 7 weeks or less. (See table A-4.)

Total Employment and the Labor Force

Total employment, at 93.0 million in February, advanced slightly from the January level. Since February 1977, however, employment has increased by 3.7 million (this figure takes into account the effect of the improvements in the household survey sampling and estimation procedures introduced last month). The employment-to-population ratio--the proportion of the total noninstitutional population that is employed--was unchanged over the month at the all-time high of 58.1 percent. (See table A-1.)

**Table A. Major indicators of labor market activity, seasonally adjusted**

Selected categories	Quarterly averages					Monthly date		
	1976	1977				1977	1978	
	IV	I	II	III	IV	Dec.	Jan.	Feb.
<b>HOUSEHOLD DATA</b>								
<b>Thousands of persons</b>								
Civilian labor force .....	95,625	96,221	97,153	97,559	98,622	98,919	99,107	99,093
Total employment .....	88,182	89,059	90,264	90,823	92,069	92,609	92,881	93,003
Unemployment .....	7,443	7,161	6,889	6,736	6,554	6,310	6,226	6,090
Not in labor force .....	59,218	59,225	58,941	59,205	58,777	58,689	58,709	58,911
Discouraged workers .....	944	942	1,062	1,067	969	N.A.	N.A.	N.A.
<b>Percent of labor force</b>								
<b>Unemployment rates:</b>								
All workers .....	7.8	7.4	7.1	6.9	6.6	6.4	6.3	6.1
Adult men .....	6.0	5.7	5.2	5.0	4.8	4.6	4.7	4.5
Adult women .....	7.5	7.1	7.0	7.0	6.8	6.6	6.1	5.7
Teenagers .....	19.1	18.6	18.1	17.6	16.7	15.6	16.0	17.4
White .....	7.1	6.7	6.3	6.1	5.8	5.5	5.5	5.3
Black and other .....	13.4	12.9	12.8	13.6	13.3	12.7	12.7	11.8
Full-time workers .....	7.4	6.9	6.6	6.5	6.2	5.9	5.8	5.7
<b>ESTABLISHMENT DATA</b>								
<b>Thousands of jobs</b>								
Nonfarm payroll employment ...	80,111	80,925	81,871	82,548	83,192	83,429	83,725 <sub>p</sub>	84,074 <sub>p</sub>
Goods-producing industries ...	23,456	23,788	24,265	24,359	24,497	24,526	24,598 <sub>p</sub>	24,753 <sub>p</sub>
Service-producing industries ...	56,655	57,137	57,606	58,189	58,695	58,903	59,127 <sub>p</sub>	59,321 <sub>p</sub>
<b>Hours of work</b>								
<b>Average weekly hours:</b>								
Total private nonfarm .....	36.2	36.1	36.2	36.0	36.2	36.2	35.6 <sub>p</sub>	35.7 <sub>p</sub>
Manufacturing .....	40.0	40.1	40.4	40.3	40.5	40.5	39.6 <sub>p</sub>	39.9 <sub>p</sub>
Manufacturing overtime .....	3.1	3.3	3.4	3.3	3.5	3.5	3.5 <sub>p</sub>	3.8 <sub>p</sub>

p=preliminary.

N.A.=not available.

The civilian labor force was 99.1 million in February, unchanged from January but up more than 2.3 million over the year (also adjusted for the survey changes introduced last month). The civilian labor force participation rate--the proportion of the civilian noninstitutional population that is either working or seeking work--was 62.7 percent in February, close to the all-time high recorded over the prior 3 months.

#### Industry Payroll Employment

Nonfarm payroll employment advanced by 350,000 in February to 84.1 million, seasonally adjusted. Most of the major industry groups registered gains, as employment increased in 72 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural payroll employment.

A very large over-the-month employment pickup took place in manufacturing (120,000), bringing the industry total to its highest level since September 1974. Most of this gain was concentrated in the durable goods industries. In the service-producing sector, all major industry groups posted increases. Contract construction employment returned to the levels prevailing in November and December, following a weather-induced dip in January. Total nonfarm payroll employment in February was 3.1 million above the year-ago level.

As in December and January, employment totals were affected by the strike in coal mining, with approximately 160,000 miners leaving the industry's payrolls. In addition, it has been estimated from regular establishment survey reports that approximately 20,000 workers in transportation and public utilities have been laid off over this period as a direct result of the strike. In order to further assess the impact of coal shortages on employment, each week since mid-February, the Bureau of Labor Statistics has surveyed some 900 of the largest manufacturing and trade firms in 11 coal-dependent Midwestern and Mid-Atlantic States. The first BLS energy impact survey (for the week of February 12-18) identified only a small effect on employment in manufacturing (about 9,500 workers). The two subsequent surveys, covering the weeks of February 19-25 and February 26 - March 4, indicated slightly higher levels of energy-related layoffs (25,400 manufacturing workers), but still only a small fraction of total employment in the industry. (See BLS press release USDL 78-180, March 9, 1978.)

### Hours

The February average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 35.7 hours, seasonally adjusted, little different from the sharply reduced January level. Since December, the workweek has been depressed by both unusually bad weather and energy-related problems.

Several major industries made up for some of their sharp January decline in hours. For example, the factory workweek increased 0.3 hour, as overtime hours also rose by this magnitude. In addition, contract construction and transportation and public utilities showed gains of 0.8 and 0.4 hour, respectively. The other major industry groups showed no change or slight declines. (See table B-2.)

Because of the strong employment increase, the index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls increased 0.8 percent in February to 116.9 (1967=100). While below the levels of November and December, the index was 2.4 percent above the year-ago level. (See table B-5.)

### Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls remained about the same as in January, seasonally adjusted, but average weekly earnings increased by 0.5 percent. Compared to their year-ago levels, average hourly and weekly earnings were up 7.6 and 6.2 percent, respectively.

Before adjustment for seasonality, average hourly earnings were unchanged from their January level and 39 cents above a year earlier. Average weekly earnings rose \$1.09 over the month to \$193.99. Over the year, average weekly earnings rose by \$11.26. (See table B-3.)

### 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 207.8 (1967=100) in February, unchanged from January. The index was 7.6 percent above February a year ago. During the 12-month period ended in January, the Hourly Earnings Index in dollars of constant purchasing power rose 1.1 percent. (See table B-4.) Beginning with January 1978, the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (revised CPI-W) is being used to compute the constant (1967) dollars figures.

## Explanatory Note

This release presents and analyzes statistics from two major surveys. Data on labor force, total employment, and unemployment (A tables) are derived from the Current Population Survey—a sample survey of households which is conducted by the Bureau of the Census for the Bureau of Labor Statistics. 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 47,000 national household sample in January 1978; thus the sample now consists of about 56,000 households selected to represent the U.S. civilian noninstitutional population 16 years and over.

Statistics on nonagricultural payroll employment, hours, and earnings (B tables) are collected by the Bureau of Labor Statistics, in cooperation with State agencies, from payroll records of a sample of approximately 165,000 establishments. Unless otherwise indicated, data for both statistical series relate to the week containing the 12th day of the specified month.

### Comparability of household and payroll employment statistics

Employment data from the household and payroll surveys differ in several basic respects. The household survey provides information on the labor force activity of the entire civilian noninstitutional population, 16 years of age and over, without duplication. Each person is classified as either employed, unemployed, or not in the labor force. The household survey counts employed persons in both agriculture and nonagricultural industries and, in addition to wage and salary workers (including private household workers), counts the self-employed, unpaid family workers, and persons "with a job but not at work" and not paid for the period absent.

The payroll survey relates only to paid wage and salary employees (regardless of age) on the payrolls of nonagricultural establishments. Persons who worked at more than one job during the survey week or otherwise appear on more than one payroll are counted more than once in the establishment survey. Such persons are counted only once in the household survey and are classified in the job at which they worked the greatest number of hours.

### Unemployment

To be classified in the household survey as unemployed an individual must: (1) Have been without a

job during the survey week; (2) have made specific efforts to find employment sometime during the prior 4 weeks; and (3) be presently available for work. In addition, persons on layoff and those waiting to begin a new job (within 30 days), neither of whom must meet the jobseeking requirements, are also classified as unemployed. The unemployed total includes all persons who satisfactorily meet the above criteria, regardless of their eligibility for unemployment insurance benefits or any kind of public assistance. The unemployment rate represents the unemployed as a proportion of the civilian labor force (the employed and unemployed combined).

The Bureau regularly publishes a wide variety of labor market measures. See, for example, the demographic, occupational, and industry detail in tables A-2 and A-3 of this release and the comprehensive data package in Employment and Earnings each month. A special grouping of seven unemployment measures is set forth in table A-7. Identified by the symbols U-1 through U-7, these measures represent a range of possible definitions of unemployment and of the labor force—from the most restrictive (U-1) to the most comprehensive (U-7). The official rate of unemployment appears as U-5.

### Seasonal adjustment

Nearly all economic phenomena are affected to some degree by seasonal variations. These are recurring, predictable events which are repeated more or less regularly each year—changes in weather, opening and closing of schools, major holidays, industry production schedules, etc. The cumulative effects of these events are often large. For example, on average over the year, they explain about 95 percent of the month-to-month variance in the unemployment figures. Since seasonal variations tend to be large relative to the underlying cyclical trends, it is necessary to use seasonally-adjusted data to interpret short-term economic developments. At the beginning of each year, seasonal adjustment factors for unemployment and other labor force series are calculated for use during the entire year, taking into account the prior year's experience, and revised seasonally-adjusted data are introduced in the release containing January data.

All seasonally-adjusted civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unem-

ployment (the sum of four seasonally-adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally-adjusted age-sex components).

For establishment data, the seasonally-adjusted series for all employees, production workers, average weekly hours, and average hourly earnings are adjusted by aggregating the seasonally-adjusted data from the respective component series. These data are also revised annually, often in conjunction with benchmark (comprehensive counts of employment) adjustments. (The most recent revision of seasonally-adjusted data was based on data through August 1977.)

#### **Sampling variability**

Both the household and establishment survey statistics are subject to sampling error, which should be taken into account in evaluating the levels of a series as well as changes over time. Because the household survey is based upon a probability sample, the results may differ from the figures that would be obtained if it were possible to take a complete census using the same questionnaires and procedures. The standard error is the measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The chances are about 68 out of 100 that an estimate from the survey differs from a figure that would be obtained through a complete census by less than the standard error. Tables A through H in the "Explanatory Notes" of Employment and Earnings provide approximations of the standard errors for unemployment and other labor force categories. To obtain a 90-percent level of confidence, the confidence interval generally used by BLS, the errors should be multiplied by 1.6. The following examples provide an indication of the magnitude of sampling error: For a monthly change in total em-

ployment, the standard error is on the order of plus or minus 182,000. Similarly, the standard error on a change in total unemployment is approximately 115,000. The standard error on a change in the national unemployment rate is 0.12 percentage point.

Although the relatively large size of the monthly establishment survey assures a high degree of accuracy, the estimates derived from it also may differ from the figures obtained if a complete census using the same schedules and procedures were possible. However, since the estimating procedures utilize the previous month's level as the base in computing the current month's level of employment (link-relative technique), sampling and response errors may accumulate over several months. To remove this accumulated error, the employment estimates are adjusted to new benchmarks (comprehensive counts of employment), usually on an annual basis. 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. Employment estimates are currently projected from March 1974 levels, plus an interim benchmark adjustment based on December 1975 levels.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The RMSE is the standard deviation adjusted for the bias in estimates. If the bias is small, the chances are about 68 out of 100 that an estimate from the sample would differ from its benchmark by less than the RMSE. For total nonagricultural employment, the RMSE is on the order of plus or minus 81,000. Measures of reliability (approximations of the RMSE) for establishment-survey data and actual amounts of revision due to benchmark adjustments are provided in tables J through O in the "Explanatory Notes" of Employment and Earnings.

NOTE: Household survey data for periods prior to January 1978 shown in tables A-1 through A-7 are not strictly comparable with current data because of the introduction of an expansion in the sample and revisions in the estimation procedures. As a result, the overall civilian labor force and employment totals in January were raised by roughly a quarter of a million; 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," *Employment and Earnings*, February 1978 Vol. 25 No. 2.

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Feb. 1977	Jan. 1978	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>TOTAL</b>									
Total noninstitutional population <sup>1</sup>	157,584	159,937	160,128	157,584	159,334	159,522	159,736	159,937	160,128
Armed Forces <sup>1</sup>	2,137	2,121	2,124	2,137	2,134	2,132	2,129	2,121	2,124
Civilian noninstitutional population <sup>1</sup>	155,447	157,816	158,004	155,447	157,201	157,389	157,608	157,816	158,004
Civilian labor force	95,340	97,950	97,924	96,320	98,071	98,877	98,919	99,107	99,093
Participation rate	61.3	62.1	62.0	62.0	62.4	62.8	62.8	62.8	62.7
Employed	87,231	91,053	91,185	89,047	91,383	92,214	92,609	92,881	93,003
Employment-population ratio <sup>2</sup>	55.4	56.9	56.9	56.5	57.4	57.8	58.0	58.1	58.1
Agriculture	2,709	2,868	2,771	3,164	3,243	3,357	3,323	3,354	3,242
Nonagricultural industries	84,522	88,185	88,413	85,883	88,140	88,857	89,286	89,527	89,761
Unemployed	8,109	6,897	6,739	7,273	6,688	6,663	6,310	6,226	6,090
Unemployment rate	8.5	7.0	6.9	7.6	6.8	6.7	6.4	6.3	6.1
Not in labor force	60,106	59,866	60,080	59,127	59,130	58,512	58,689	58,709	58,911
<b>Men, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	67,025	68,148	68,240	67,025	67,852	67,948	68,052	68,148	68,240
Civilian noninstitutional population <sup>1</sup>	65,342	66,467	66,556	65,342	66,161	66,257	66,364	66,467	66,556
Civilian labor force	51,940	52,741	52,713	52,209	52,739	52,971	53,122	53,153	53,142
Participation rate	79.5	79.3	79.2	79.9	79.7	79.9	80.0	80.0	79.8
Employed	48,192	49,822	49,805	49,136	50,118	50,459	50,688	50,673	50,759
Employment-population ratio <sup>2</sup>	71.9	73.1	73.0	73.3	73.9	74.3	74.5	74.4	74.4
Agriculture	2,081	2,171	2,105	2,257	2,326	2,330	2,346	2,394	2,283
Nonagricultural industries	46,111	47,651	47,700	46,879	47,792	48,129	48,342	48,279	48,476
Unemployed	3,748	2,919	2,907	3,073	2,621	2,512	2,434	2,480	2,383
Unemployment rate	7.2	5.5	5.5	5.9	5.0	4.7	4.6	4.7	4.5
Not in labor force	13,402	13,726	13,843	13,133	13,422	13,286	13,242	13,314	13,414
<b>Women, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	73,746	74,991	75,095	73,746	74,660	74,768	74,883	74,991	75,095
Civilian noninstitutional population <sup>1</sup>	73,554	74,892	74,996	73,654	74,561	74,669	74,783	74,892	74,996
Civilian labor force	35,159	36,624	36,733	35,044	35,984	36,451	36,418	36,595	36,654
Participation rate	47.7	48.9	49.0	47.6	48.3	48.8	48.7	48.9	48.9
Employed	32,434	34,184	34,470	32,532	33,537	33,923	34,009	34,348	34,569
Employment-population ratio <sup>2</sup>	44.0	45.6	45.9	44.1	44.9	45.4	45.4	45.8	46.0
Agriculture	379	421	437	524	525	589	543	517	604
Nonagricultural industries	32,056	33,763	34,033	32,008	33,012	33,334	33,466	33,831	33,965
Unemployed	2,725	2,440	2,262	2,512	2,447	2,528	2,409	2,247	2,085
Unemployment rate	7.7	6.7	6.2	7.2	6.8	6.9	6.6	6.1	5.7
Not in labor force	38,495	38,268	38,263	38,610	38,577	38,218	38,365	38,297	38,342
<b>Both sexes, 16-19 years</b>									
Total noninstitutional population <sup>1</sup>	16,813	16,798	16,794	16,813	16,822	16,806	16,802	16,798	16,794
Civilian noninstitutional population <sup>1</sup>	16,451	16,457	16,453	16,451	16,480	16,463	16,460	16,457	16,453
Civilian labor force	8,241	8,585	8,479	9,067	9,348	9,455	9,379	9,359	9,297
Participation rate	50.1	52.2	51.5	55.1	56.7	57.4	57.0	56.9	56.5
Employed	6,605	7,046	6,909	7,379	7,728	7,832	7,912	7,860	7,675
Employment-population ratio <sup>2</sup>	39.3	41.9	41.1	43.9	45.9	46.6	47.1	46.8	45.7
Agriculture	249	275	229	383	392	438	434	443	355
Nonagricultural industries	6,356	6,771	6,680	6,996	7,336	7,394	7,478	7,417	7,320
Unemployed	1,636	1,539	1,570	1,688	1,620	1,623	1,467	1,499	1,622
Unemployment rate	19.9	17.9	18.5	18.6	17.3	17.2	15.6	16.0	17.4
Not in labor force	8,210	7,872	7,974	7,384	7,132	7,008	7,081	7,098	7,156
<b>WHITE</b>									
Total noninstitutional population <sup>1</sup>	138,575	140,421	140,571	138,575	139,962	140,095	140,264	140,421	140,571
Civilian noninstitutional population <sup>1</sup>	136,810	138,687	138,834	136,810	138,218	138,351	138,523	138,687	138,834
Civilian labor force	84,368	86,405	86,344	85,167	86,812	87,292	87,193	87,425	87,360
Participation rate	61.7	62.3	62.2	62.3	62.8	63.1	62.9	63.0	62.9
Employed	77,793	81,061	81,061	79,405	81,614	82,181	82,391	82,650	82,697
Employment-population ratio <sup>2</sup>	56.1	57.7	57.7	57.3	58.3	58.7	58.7	58.9	58.8
Unemployed	6,574	5,344	5,284	5,762	5,198	5,111	4,802	4,775	4,663
Unemployment rate	7.8	6.2	6.1	6.8	6.0	5.9	5.5	5.5	5.3
Not in labor force	52,442	52,283	52,490	51,643	51,406	51,059	51,330	51,262	51,474
<b>BLACK AND OTHER</b>									
Total noninstitutional population <sup>1</sup>	19,409	19,516	19,558	19,009	19,372	19,427	19,473	19,516	19,558
Civilian noninstitutional population <sup>1</sup>	18,637	19,129	19,170	18,637	18,983	19,038	19,084	19,129	19,170
Civilian labor force	10,973	11,546	11,580	11,155	11,398	11,551	11,761	11,725	11,785
Participation rate	58.9	60.4	60.4	59.9	60.0	60.7	61.6	61.3	61.5
Employed	9,438	9,992	10,124	9,695	9,842	9,966	10,271	10,238	10,391
Employment-population ratio <sup>2</sup>	49.7	51.2	51.8	51.0	50.8	51.3	52.7	52.5	53.1
Unemployed	1,535	1,554	1,455	1,460	1,556	1,585	1,490	1,487	1,394
Unemployment rate	14.0	13.5	12.6	13.1	13.7	13.7	12.7	12.7	11.8
Not in labor force	7,664	7,583	7,591	7,482	7,585	7,487	7,323	7,404	7,385

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns. <sup>2</sup> Civilian employment as a percent of the total noninstitutional population (including Armed Forces).

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	Feb. 1977	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	7,273	6,090	7.6	6.8	6.7	6.4	6.3	6.1
Men, 20 years and over .....	3,073	2,383	5.9	5.0	4.7	4.6	4.7	4.5
Women, 20 years and over .....	2,512	2,085	7.2	6.8	6.9	6.6	6.1	5.7
Both sexes, 16-19 years .....	1,688	1,622	18.6	17.3	17.2	15.6	16.0	17.4
White, total .....	5,762	4,663	6.8	6.0	5.9	5.5	5.5	5.3
Men, 20 years and over .....	2,456	1,842	5.3	4.4	4.1	4.0	4.0	3.9
Women, 20 years and over .....	1,954	1,594	6.4	6.1	6.1	5.9	5.5	5.0
Both sexes, 16-19 years .....	1,352	1,227	16.5	14.9	14.7	12.7	13.7	14.8
Black and other, total .....	1,460	1,394	13.1	13.7	13.7	12.7	12.7	11.8
Men, 20 years and over .....	544	485	9.9	11.3	10.0	9.1	9.8	8.6
Women, 20 years and over .....	580	512	12.2	11.4	12.6	11.5	10.8	10.1
Both sexes, 16-19 years .....	336	393	37.4	38.0	39.0	38.0	38.7	38.0
Married man, spouse present .....	1,626	1,157	4.1	3.6	3.3	3.2	2.9	2.9
Married women, spouse present .....	1,504	1,201	6.8	6.3	6.5	6.2	5.6	5.2
Women who head families .....	402	358	9.3	9.3	9.3	8.1	7.9	7.6
Full-time workers .....	5,697	4,791	6.9	6.4	6.2	5.9	5.8	5.7
Part-time workers .....	1,520	1,259	10.6	9.6	9.6	8.9	8.9	8.6
Unemployed 15 weeks and over <sup>1</sup> .....	2,168	1,568	2.3	1.9	1.8	1.8	1.7	1.6
Labor force time lost <sup>2</sup> .....	---	---	8.0	7.4	7.3	7.0	6.8	6.6
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers .....	2,137	1,691	4.6	4.1	4.2	4.0	3.6	3.5
Professional and technical .....	444	364	3.2	3.0	2.9	2.8	2.7	2.5
Managers and administrators, except farm .....	280	195	2.9	2.6	3.0	2.5	2.5	1.9
Sales workers .....	344	262	5.6	5.0	4.9	4.7	3.9	4.3
Clerical workers .....	1,069	870	6.4	5.7	5.7	5.5	5.0	5.0
Blue-collar workers .....	2,873	2,388	8.8	8.0	7.6	7.2	7.1	7.1
Craft and kindred workers .....	810	648	6.5	5.4	5.2	5.2	5.4	5.0
Operatives, except transport .....	1,123	952	9.8	9.8	9.3	8.5	7.9	8.1
Transport equipment operatives .....	283	192	7.6	6.1	5.3	5.6	5.4	5.0
Nonfarm laborers .....	657	596	12.9	11.8	11.9	10.6	11.0	11.5
Service workers .....	1,114	974	8.5	8.1	7.8	7.8	7.6	7.1
Farm workers .....	187	137	6.4	4.4	4.1	3.9	3.9	4.7
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup> .....	5,297	4,376	7.6	6.9	6.7	6.3	6.2	6.1
Construction .....	687	544	15.2	12.1	11.2	10.8	11.7	11.5
Manufacturing .....	1,534	1,243	7.2	6.8	6.5	5.7	5.6	5.7
Durable goods .....	875	647	6.9	6.1	6.0	5.6	5.2	5.0
Nondurable goods .....	659	596	7.5	7.8	7.2	5.9	6.1	6.5
Transportation and public utilities .....	240	169	4.7	4.8	4.7	4.9	4.3	3.2
Wholesale and retail trade .....	1,559	1,302	8.7	7.9	7.4	7.3	7.1	7.1
Finance and service industries .....	1,251	1,086	6.2	5.7	6.0	5.5	5.3	5.1
Government workers .....	694	549	4.4	4.1	4.3	4.3	4.2	3.5
Agricultural wage and salary workers .....	198	151	13.3	10.3	9.3	9.6	9.0	10.1
<b>VETERAN STATUS</b>								
Male Vietnam-era veterans: <sup>5</sup>								
20 to 34 years .....	468	328	7.2	7.1	6.8	5.6	5.7	5.2
20 to 24 years .....	158	92	16.2	15.3	14.1	11.8	12.9	12.5
25 to 29 years .....	205	130	7.0	6.6	6.4	6.1	6.1	5.4
30 to 34 years .....	105	106	4.1	5.0	4.8	3.7	3.5	3.4
Male nonveterans:								
20 to 34 years .....	1,326	1,115	8.5	7.3	6.9	6.9	7.1	6.7
20 to 24 years .....	788	692	11.4	9.3	9.3	9.4	10.1	9.7
25 to 29 years .....	360	278	7.3	6.4	5.5	5.2	5.4	5.0
30 to 34 years .....	178	145	4.7	4.9	4.5	4.5	4.0	3.8

<sup>1</sup> Unemployment rate calculated as a percent of civilian labor force.<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.<sup>3</sup> Unemployment by occupation includes all experienced unemployed persons, whereas that

by industry covers only unemployed wage and salary workers.

<sup>4</sup> Includes mining, not shown separately.<sup>5</sup> Vietnam-era veterans are those who served between August 5, 1964, and May 7, 1975.

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Table A-3. Selected employment indicators

[In thousands]

Selected categories <sup>1</sup>	Not seasonally adjusted		Seasonally adjusted					
	Feb. 1977	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>CHARACTERISTICS</b>								
Total employed, 16 years and over .....	87,231	91,185	89,047	91,383	92,214	92,609	92,881	93,003
Men .....	51,659	53,466	53,094	54,341	54,745	55,012	54,975	54,897
Women .....	35,573	37,719	35,953	37,042	37,469	37,597	37,906	38,106
Married men, spouse present .....	37,587	38,047	38,214	38,425	38,531	38,682	38,645	38,666
Married women, spouse present .....	20,673	21,651	20,750	21,119	21,278	21,416	21,638	21,738
<b>OCCUPATION</b>								
White-collar workers .....	44,443	46,475	44,528	46,083	46,251	46,316	46,547	46,555
Professional and technical .....	13,690	14,254	13,467	14,042	13,918	13,981	14,057	14,016
Managers and administrators, except farm .....	9,350	9,962	9,514	9,911	9,894	9,939	10,067	10,134
Sales workers .....	5,646	5,666	5,791	5,718	5,804	5,796	5,913	5,811
Clerical workers .....	15,757	16,594	15,756	16,412	16,635	16,600	16,510	16,594
Blue-collar workers .....	28,549	29,796	29,894	30,247	30,603	30,807	30,942	31,198
Craft and kindred workers .....	11,236	11,780	11,654	11,860	12,116	12,153	12,111	12,220
Operatives, except transport .....	10,030	10,405	10,348	10,320	10,423	10,424	10,755	10,738
Transport equipment operatives .....	3,355	3,548	3,446	3,457	3,525	3,555	3,432	3,643
Nonfarm laborers .....	3,929	4,064	4,446	4,610	4,539	4,675	4,644	4,597
Service workers .....	11,925	12,557	12,060	12,473	12,590	12,617	12,704	12,703
Farm workers .....	2,315	2,356	2,717	2,755	2,809	2,805	2,872	2,769
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
<b>Agriculture:</b>								
Wage and salary workers .....	1,073	1,114	1,296	1,387	1,405	1,405	1,387	1,345
Self-employed workers .....	1,417	1,460	1,540	1,577	1,590	1,605	1,604	1,587
Unpaid family workers .....	219	196	351	305	368	346	342	314
<b>Nonagricultural industries:</b>								
Wage and salary workers .....	78,345	81,851	79,506	81,727	82,281	82,692	82,915	83,078
Government .....	15,211	15,526	14,932	15,463	15,415	15,422	15,267	15,237
Private industries .....	63,134	66,325	64,574	66,264	66,866	67,270	67,648	67,841
Private households .....	1,288	1,328	1,341	1,358	1,403	1,436	1,421	1,383
Other industries .....	61,846	64,997	63,233	64,906	65,463	65,834	66,227	66,458
Self-employed workers .....	5,719	6,124	5,856	6,080	6,082	6,182	6,259	6,268
Unpaid family workers .....	459	440	509	460	467	442	439	488
<b>PERSONS AT WORK<sup>1</sup></b>								
Nonagricultural industries .....	80,980	84,176	80,846	82,788	83,347	83,662	83,304	84,054
Full-time schedules .....	65,549	68,592	66,147	67,827	68,240	68,574	68,812	69,215
Part time for economic reasons .....	3,377	3,111	3,441	3,263	3,285	3,220	2,986	3,193
Usually work full time .....	1,484	1,248	1,342	1,237	1,255	1,247	1,043	1,128
Usually work part time .....	1,893	1,863	2,099	2,026	2,030	1,973	1,943	2,065
Part time for noneconomic reasons .....	12,054	12,473	11,258	11,698	11,822	11,868	11,506	11,646

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

Table A-4. Duration of unemployment

[Numbers in thousands]

Weeks of unemployment	Not seasonally adjusted		Seasonally adjusted					
	Feb. 1977	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>DURATION</b>								
Less than 5 weeks .....	2,869	2,591	2,863	2,804	2,851	2,628	2,700	2,586
5 to 14 weeks .....	2,832	2,406	2,142	2,117	2,037	1,937	1,861	1,820
15 weeks and over .....	2,409	1,742	2,168	1,848	1,829	1,797	1,688	1,568
* 15 to 26 weeks .....	1,183	1,062	959	920	936	941	864	897
27 weeks and over .....	1,226	680	1,209	928	893	856	824	671
Average (mean) duration, in weeks .....	14.8	12.6	14.7	13.8	13.7	13.8	13.1	12.5
Median duration, in weeks .....	8.2	7.7	7.5	7.1	7.0	7.1	6.6	7.0
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	35.4	38.4	39.9	41.4	42.4	41.3	43.2	43.3
5 to 14 weeks .....	34.9	35.7	29.9	31.3	30.3	30.4	29.8	30.5
15 weeks and over .....	29.7	25.8	30.2	27.3	27.2	28.2	27.0	26.2
15 to 26 weeks .....	14.6	15.8	13.4	13.6	13.9	15.0	13.8	15.0
27 weeks and over .....	15.1	10.1	16.9	13.7	13.3	13.5	13.2	11.2

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Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Feb. 1977	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>NUMBER OF UNEMPLOYED</b>								
Lost last job .....	4,371	3,241	3,425	3,035	2,969	2,748	2,698	2,540
On layoff .....	1,474	1,047	999	840	780	687	768	709
Other job losers .....	2,898	2,194	2,426	2,195	2,189	2,061	1,930	1,831
Left last job .....	868	885	881	876	881	877	856	898
Reentered labor force .....	2,030	1,848	1,972	1,906	1,891	1,886	1,821	1,796
Seeking first job .....	839	765	942	857	901	820	914	868
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	53.9	48.0	47.4	45.5	44.7	43.4	42.9	41.6
On layoff .....	18.2	15.5	13.8	12.6	11.7	10.9	12.2	11.6
Other job losers .....	35.7	32.5	33.6	32.9	33.0	32.6	30.7	30.0
Job leavers .....	10.7	13.1	12.2	13.1	13.3	13.9	13.6	14.7
Reentrants .....	25.0	38.8	27.3	28.6	28.5	29.8	29.0	29.4
New entrants .....	10.3	11.4	13.0	12.8	13.6	13.0	14.5	14.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	4.5	3.3	3.6	3.1	3.0	2.8	2.7	2.6
Job leavers .....	.9	.9	.9	.9	.9	.9	.9	.9
Reentrants .....	2.1	1.9	2.0	1.9	1.9	1.9	1.8	1.8
New entrants .....	.9	.8	1.0	.9	.9	.8	.9	.9

Table A-6. Unemployment by sex and age, seasonally adjusted

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	Feb. 1977	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>Total, 16 years and over</b> .....	7,273	6,090	7.6	6.8	6.7	6.4	6.3	6.1
<b>16 to 19 years</b> .....	1,688	1,622	18.6	17.3	17.2	15.6	16.0	17.4
16 to 17 years .....	755	821	20.0	18.8	19.0	17.8	18.2	20.8
18 to 19 years .....	938	806	17.6	16.2	15.9	13.7	14.5	15.0
<b>20 to 24 years</b> .....	1,701	1,477	11.9	10.4	10.4	10.2	10.5	10.1
<b>25 years and over</b> .....	3,811	2,941	5.2	4.9	4.7	4.4	4.2	3.9
25 to 54 years .....	3,159	2,476	5.4	5.1	4.8	4.6	4.3	4.1
55 years and over .....	657	470	4.6	4.2	4.1	4.0	3.5	3.3
<b>Men, 16 years and over</b> .....	3,978	3,245	7.0	6.0	5.8	5.5	5.6	5.6
<b>16 to 19 years</b> .....	905	862	18.6	16.7	16.4	15.3	14.9	17.2
16 to 17 years .....	395	457	19.6	18.6	18.2	16.7	17.2	21.1
18 to 19 years .....	516	410	18.0	15.1	15.0	13.9	13.4	14.3
<b>20 to 24 years</b> .....	945	816	12.0	9.9	9.8	9.8	10.5	10.3
<b>25 years and over</b> .....	2,058	1,519	4.6	4.3	3.8	3.6	3.5	3.4
25 to 54 years .....	1,665	1,238	4.7	4.3	3.9	3.6	3.6	3.4
55 years and over .....	398	285	4.5	4.1	3.7	3.7	3.2	3.2
<b>Women, 16 years and over</b> .....	3,295	2,845	8.4	8.0	8.1	7.6	7.3	6.9
<b>16 to 19 years</b> .....	783	760	18.6	18.0	18.1	16.1	17.4	17.7
16 to 17 years .....	360	364	20.6	19.1	20.1	19.2	19.5	20.4
18 to 19 years .....	422	396	17.1	17.4	16.8	13.5	15.8	15.7
<b>20 to 24 years</b> .....	756	661	11.7	11.0	11.1	10.8	10.5	9.8
<b>25 years and over</b> .....	1,753	1,422	6.1	5.8	6.0	5.7	5.2	4.7
25 to 54 years .....	1,494	1,238	6.4	6.2	6.3	6.0	5.5	5.1
55 years and over .....	259	185	4.8	4.5	4.8	4.4	3.8	3.3

**Table A-7. Range of unemployment measures based on varying definitions of unemployment and the labor force, seasonally adjusted**

[Percent]

Measures	Quarterly averages					Monthly data		
	1976	1977				1977	1978	
	IV	I	II	III	IV	Dec.	Jan.	Feb.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	2.5	2.2	1.9	1.9	1.9	1.8	1.7	1.6
U-2—Job losers as a percent of the civilian labor force .....	3.8	3.4	3.1	3.2	3.0	2.8	2.7	2.6
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over .....	5.5	5.2	5.0	4.9	4.7	4.4	4.2	3.9
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force .....	7.4	6.9	6.6	6.5	6.2	5.9	5.8	5.7
U-5—Total unemployed as a percent of the civilian labor force (official measure) .....	7.8	7.4	7.1	6.9	6.6	6.4	6.3	6.1
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons as a percent of the civilian labor force less ¼ of the part-time labor force .....	9.6	9.0	8.7	8.6	8.2	7.9	7.7	7.6
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ¼ of the part-time labor force .....	10.6	10.0	9.7	9.7	9.2	N.A.	N.A.	N.A.

N.A.= not available.

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Table A-8. Employment status of the noninstitutional population for ten large States

[Numbers in thousands]

State and employment status	Not seasonally adjusted*			Seasonally adjusted					
	Feb. 1977	Jan. 1978	Feb. 1978	Feb. 1977	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978
<b>California</b>									
Civilian noninstitutional population <sup>1</sup>	15,772	16,099	16,124	15,772	16,034	16,062	16,090	16,099	16,124
Civilian labor force	9,957	10,280	10,386	9,992	10,227	10,355	10,317	10,288	10,422
Employed	9,052	9,467	9,533	9,147	9,420	9,529	9,602	9,584	9,628
Unemployed	905	813	854	845	807	826	715	704	794
Unemployment rate	9.1	7.9	8.2	8.5	7.9	8.0	6.9	6.8	7.6
<b>Florida</b>									
Civilian noninstitutional population <sup>1</sup>	6,305	6,465	6,481	6,305	6,416	6,435	6,453	6,465	6,481
Civilian labor force	3,438	3,630	3,639	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,095	3,358	3,416	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	343	272	223	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	10.0	7.5	6.1	(2)	(2)	(2)	(2)	(2)	(2)
<b>Illinois</b>									
Civilian noninstitutional population <sup>1</sup>	8,115	8,189	8,195	8,115	8,180	8,187	8,194	8,189	8,195
Civilian labor force	5,093	5,254	5,235	5,124	5,269	5,305	5,276	5,299	5,262
Employed	4,757	4,858	4,861	4,819	4,942	4,936	4,945	4,943	4,923
Unemployed	336	396	374	305	327	369	331	356	339
Unemployment rate	6.6	7.5	7.1	6.0	6.2	7.0	6.3	6.7	6.4
<b>Massachusetts</b>									
Civilian noninstitutional population <sup>1</sup>	4,278	4,315	4,319	4,278	4,308	4,313	4,317	4,315	4,319
Civilian labor force	2,731	2,819	2,794	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,466	2,607	2,594	2,513	2,587	2,591	2,613	2,649	2,641
Unemployed	265	212	200	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	9.7	7.5	7.1	(2)	(2)	(2)	(2)	(2)	(2)
<b>Michigan</b>									
Civilian noninstitutional population <sup>1</sup>	6,518	6,590	6,596	6,518	6,575	6,582	6,590	6,590	6,596
Civilian labor force	4,093	4,164	4,161	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,693	3,825	3,862	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	400	339	299	344	341	356	319	330	242
Unemployment rate	9.8	8.2	7.2	(2)	(2)	(2)	(2)	(2)	(2)
<b>New Jersey</b>									
Civilian noninstitutional population <sup>1</sup>	5,392	5,439	5,444	5,392	5,429	5,435	5,440	5,439	5,444
Civilian labor force	3,317	3,360	3,326	3,348	3,411	3,441	3,487	3,406	3,356
Employed	2,935	3,097	3,049	2,995	3,083	3,141	3,226	3,175	3,109
Unemployed	382	263	277	353	328	300	261	231	247
Unemployment rate	11.5	7.8	8.3	10.5	9.6	8.7	7.5	6.8	7.4
<b>New York</b>									
Civilian noninstitutional population <sup>1</sup>	13,292	13,317	13,318	13,292	13,315	13,321	13,326	13,317	13,318
Civilian labor force	7,681	7,789	7,743	7,755	7,794	7,863	7,906	7,906	7,826
Employed	6,870	7,107	7,055	7,007	7,108	7,160	7,246	7,278	7,192
Unemployed	811	682	688	748	686	703	660	628	634
Unemployment rate	10.6	8.8	8.9	9.6	8.8	8.9	8.3	7.9	8.1
<b>Ohio</b>									
Civilian noninstitutional population <sup>1</sup>	7,747	7,812	7,816	7,747	7,801	7,807	7,814	7,812	7,816
Civilian labor force	4,683	4,746	4,733	4,745	4,880	4,921	4,842	4,787	4,795
Employed	4,242	4,455	4,437	4,347	4,582	4,598	4,580	4,526	4,541
Unemployed	441	291	296	398	298	323	262	261	254
Unemployment rate	9.4	6.1	6.3	8.4	6.1	6.6	5.4	5.5	5.3
<b>Pennsylvania</b>									
Civilian noninstitutional population <sup>1</sup>	8,788	8,842	8,846	8,788	8,834	8,840	8,847	8,842	8,846
Civilian labor force	5,034	5,120	5,138	5,078	5,180	5,182	5,207	5,166	5,188
Employed	4,548	4,714	4,746	4,659	4,785	4,790	4,800	4,802	4,862
Unemployed	486	406	393	419	395	392	407	364	326
Unemployment rate	9.7	7.9	7.6	8.3	7.6	7.6	7.8	7.0	6.3
<b>Texas</b>									
Civilian noninstitutional population <sup>1</sup>	8,908	9,108	9,125	8,908	9,064	9,083	9,101	9,108	9,125
Civilian labor force	5,693	5,905	5,843	5,769	5,846	5,872	5,932	5,984	5,919
Employed	5,329	5,580	5,525	5,417	5,525	5,570	5,625	5,692	5,612
Unemployed	364	325	318	352	321	302	307	292	307
Unemployment rate	6.4	5.5	5.4	6.1	5.5	5.1	5.2	4.9	5.2

<sup>1</sup> The population figures are not adjusted for seasonal variations; therefore, identical numbers appear in the unadjusted and the seasonally adjusted columns.

\* These are the official Bureau of Labor Statistics' estimates used in the administration of Federal fund allocation programs.

<sup>2</sup> Seasonally-adjusted data are not presented for this series, because the variations that are due to seasonal influences cannot be separated with sufficient precision from those which stem from the trend-cycle and irregular components of the original time series.

NOTE: A comprehensive reappraisal of the seasonal adjustment of the employment and unemployment series for all 10 States is now underway. Revisions in certain series will be introduced in the near future.

**ESTABLISHMENT DATA**

**ESTABLISHMENT DATA**

**Table B-1. Employees on nonagricultural payrolls, by industry**

[In thousands]

Industry	Not seasonal <sup>a</sup> adjusted				Seasonally adjusted					
	FEB. 1977	DEC. 1977	JAN. 1978 <sup>p</sup>	FEB. 1978 <sup>p</sup>	FEB. 1977	CCT. 1977	NOV. 1977	DEC. 1977	JAN. 1978 <sup>p</sup>	FEB. 1978 <sup>p</sup>
<b>TOTAL</b> .....	79,734	84,181	82,557	82,874	80,670	82,502	83,245	83,429	83,725	84,074
<b>GOODS-PRODUCING</b> .....	23,063	24,472	23,975	24,010	23,763	24,436	24,528	24,526	24,598	24,753
<b>MINING</b> .....	807	707	700	699	824	859	863	711	710	713
<b>CONTRACT CONSTRUCTION</b> .....	3,251	3,884	3,526	3,505	3,661	3,911	3,950	3,947	3,913	3,947
<b>MANUFACTURING</b> .....	19,005	19,881	19,749	19,806	19,278	19,666	19,715	19,868	19,975	20,093
<i>Production workers</i> .....	13,600	14,321	14,200	14,235	13,852	14,132	14,184	14,306	14,407	14,496
<b>DURABLE GOODS</b> .....	11,108	11,772	11,730	11,761	11,261	11,604	11,625	11,748	11,831	11,925
<i>Production workers</i> .....	7,899	8,462	8,418	8,435	8,039	8,313	8,337	8,438	8,509	8,584
Ordnance and accessories .....	155.8	155.8	157.0	156.2	156	150	152	155	156	156
Lumber and wood products .....	606.0	654.2	645.5	647.3	627	653	662	666	670	670
Furniture and fixtures .....	493.7	531.2	528.8	532.3	498	517	521	520	531	537
Stone, clay, and glass products .....	597.6	664.3	649.7	651.5	622	657	667	671	675	678
Primary metal industries .....	1,170.6	1,201.6	1,204.7	1,205.5	1,180	1,208	1,206	1,204	1,210	1,216
Fabricated metal products .....	1,397.7	1,496.3	1,486.9	1,491.3	1,420	1,473	1,479	1,492	1,499	1,516
Machinery, except electrical .....	2,140.6	2,272.9	2,272.7	2,294.3	2,134	2,243	2,237	2,257	2,264	2,287
Electrical equipment .....	1,878.9	2,001.0	1,999.7	2,005.7	1,890	1,961	1,974	1,987	2,002	2,018
Transportation equipment .....	1,735.8	1,844.4	1,841.9	1,826.9	1,786	1,801	1,782	1,830	1,861	1,880
Instruments and related products .....	521.1	537.7	536.3	535.9	523	530	532	536	538	538
Miscellaneous manufacturing .....	409.7	412.7	406.6	413.9	425	411	413	420	425	425
<b>NONDURABLE GOODS</b> .....	7,897	8,109	8,019	8,045	8,017	8,062	8,090	8,120	8,144	8,168
<i>Production workers</i> .....	5,701	5,859	5,782	5,800	5,813	5,819	5,847	5,866	5,898	5,912
Food and kindred products .....	1,652.5	1,696.5	1,663.0	1,654.6	1,727	1,696	1,703	1,714	1,727	1,729
Tobacco manufacturers .....	71.4	73.2	69.2	66.6	73	67	66	69	69	68
Textile mill products .....	962.8	991.6	986.6	989.7	967	987	993	990	991	994
Apparel and other textile products .....	1,277.8	1,284.3	1,263.7	1,278.2	1,282	1,285	1,251	1,291	1,291	1,282
Paper and allied products .....	680.3	707.1	700.1	702.5	687	702	700	705	705	710
Printing and publishing .....	1,094.2	1,132.1	1,125.6	1,129.0	1,096	1,117	1,120	1,123	1,128	1,131
Chemicals and allied products .....	1,041.0	1,060.4	1,058.7	1,066.0	1,049	1,058	1,055	1,064	1,067	1,075
Petroleum and coal products .....	198.9	211.0	208.9	209.0	205	211	212	212	214	216
Rubber and plastics products, nec .....	655.8	690.7	686.6	690.2	666	673	681	689	691	701
Leather and leather products .....	262.4	262.5	256.5	258.8	265	266	265	263	261	262
<b>SERVICE-PRODUCING</b> .....	56,671	59,709	58,582	58,864	57,107	58,466	58,717	58,903	59,127	59,321
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,494	4,657	4,596	4,604	4,553	4,610	4,634	4,652	4,642	4,665
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,653	19,269	18,565	18,428	18,039	18,414	18,512	18,610	18,776	18,831
<b>WHOLESALE TRADE</b> .....	4,291	4,482	4,454	4,460	4,334	4,415	4,438	4,460	4,481	4,505
<b>RETAIL TRADE</b> .....	13,362	14,787	14,111	13,968	13,705	13,999	14,074	14,150	14,297	14,326
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..	4,391	4,597	4,582	4,602	4,431	4,572	4,557	4,611	4,624	4,644
<b>SERVICES</b> .....	14,887	15,585	15,388	15,549	15,068	15,533	15,608	15,663	15,670	15,738
<b>GOVERNMENT</b> .....	15,246	15,601	15,451	15,681	15,016	15,337	15,366	15,367	15,413	15,443
<b>FEDERAL</b> .....	2,705	2,724	2,711	2,719	2,721	2,730	2,727	2,718	2,736	2,735
<b>STATE AND LOCAL</b> .....	12,541	12,877	12,740	12,962	12,295	12,607	12,635	12,645	12,677	12,708

<sup>p</sup>=preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-2. Average weekly hours of production or nonsupervisory workers, on private nonagricultural payrolls, by industry

Industry	Not seasonally adjusted				Seasonally adjusted					
	FEB. 1977	DEC. 1977	JAN. 1978 <sup>P</sup>	FEB. 1978 <sup>P</sup>	FEB. 1977	OCT. 1977	NOV. 1977	DEC. 1977	JAN. 1978 <sup>P</sup>	FEB. 1978 <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	35.9	36.3	35.2	35.4	36.2	36.2	36.2	36.2	35.6	35.7
<b>MINING</b> .....	43.3	43.8	42.3	42.7	43.5	44.6	44.6	43.7	43.0	42.9
<b>CONTRACT CONSTRUCTION</b> .....	36.6	36.4	33.0	34.3	37.5	36.8	36.5	36.8	34.4	35.2
<b>MANUFACTURING</b> .....	39.9	41.1	39.1	39.6	40.3	40.4	40.5	40.5	39.6	39.9
<i>Overtime hours</i> .....	3.0	3.7	3.2	3.5	3.3	3.5	3.5	3.5	3.5	3.6
<b>DURABLE GOODS</b> .....	40.4	41.9	39.7	40.2	40.8	41.2	41.1	41.2	40.1	40.5
<i>Overtime hours</i> .....	3.1	4.0	3.4	3.7	3.4	3.8	3.7	3.7	3.7	4.0
Ordnance and accessories .....	40.6	41.8	40.0	38.8	40.8	40.8	40.2	41.1	40.2	39.0
Lumber and wood products .....	40.2	40.3	38.1	39.1	40.4	40.1	40.3	40.2	35.4	35.3
Furniture and fixtures .....	37.5	40.3	37.2	38.8	38.2	39.5	39.4	39.5	37.7	35.6
Stone, clay, and glass products .....	40.7	41.7	39.4	35.9	41.4	41.1	41.8	41.6	40.4	40.5
Primary metal industries .....	40.4	41.7	40.6	40.9	40.7	41.3	41.3	41.4	40.7	41.2
Fabricated metal products .....	40.4	42.2	39.7	40.2	40.8	41.1	41.1	41.5	40.1	40.6
Machinery, except electrical .....	41.3	43.0	41.0	41.6	41.4	42.0	41.5	41.9	41.0	41.7
Electrical equipment .....	40.3	41.0	39.2	39.3	40.5	40.3	40.2	40.3	35.5	35.5
Transportation equipment .....	41.0	43.6	40.2	40.1	41.6	42.7	42.5	42.2	41.1	40.7
Instruments and related products .....	40.6	41.2	39.5	40.4	40.9	40.6	40.4	40.4	35.7	40.7
Miscellaneous manufacturing .....	39.3	39.3	37.6	38.0	39.5	39.1	39.0	38.9	38.1	38.2
<b>NONDURABLE GOODS</b> .....	39.1	39.9	38.3	38.7	39.5	39.4	39.5	39.5	38.7	39.1
<i>Overtime hours</i> .....	2.9	3.2	2.9	3.1	3.2	3.1	3.2	3.1	3.1	3.4
Food and kindred products .....	39.7	40.1	39.0	39.0	40.3	39.5	39.8	39.7	35.2	35.6
Tobacco manufacturers .....	38.5	39.1	37.1	35.9	39.1	38.2	38.8	38.3	37.5	36.5
Textile mill products .....	40.2	40.9	39.2	39.5	40.5	40.5	40.7	40.6	40.0	40.2
Apparel and other textile products .....	35.3	35.9	33.2	35.1	35.6	35.6	35.7	35.8	33.9	35.4
Paper and allied products .....	42.1	43.5	42.1	41.8	42.7	42.8	42.7	42.9	42.2	42.4
Printing and publishing .....	37.5	38.5	37.0	37.2	37.8	37.9	37.5	37.9	37.5	37.5
Chemicals and allied products .....	41.5	42.1	41.3	41.5	41.7	41.6	41.7	41.7	41.5	41.7
Petroleum and coal products .....	41.8	43.9	43.0	42.9	42.4	43.2	43.3	43.9	43.7	43.6
Rubber and plastics products, nec .....	41.3	41.2	39.6	39.5	41.3	40.9	40.9	40.7	35.8	35.5
Leather and leather products .....	36.5	37.6	36.0	36.3	36.8	37.7	37.8	37.2	36.6	36.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.2	40.3	39.5	39.9	40.5	39.7	40.3	40.2	39.8	40.2
<b>WHOLESALE AND RETAIL TRADE</b> .....	33.0	33.5	32.3	32.4	33.4	33.5	33.2	33.3	32.8	32.8
<b>WHOLESALE TRADE</b> .....	38.8	39.2	38.4	38.4	39.1	39.1	36.5	36.8	36.6	38.7
<b>RETAIL TRADE</b> .....	31.3	32.0	30.5	30.6	31.8	31.9	31.6	31.7	31.1	31.1
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.7	36.6	36.7	36.5	36.6	36.7	36.7	36.6	36.6	36.4
<b>SERVICES</b> .....	33.4	33.3	33.2	33.1	33.5	33.5	33.3	33.4	33.4	33.2

<sup>1</sup> Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. These groups account for approximately four-fifths of the total employment on private nonagricultural payrolls.  
<sup>P</sup> preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-3. Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry

Industry	Average hourly earnings				Average weekly earnings			
	FEB. 1977	DEC. 1977	JAN. 1978 <sup>P</sup>	FEB. 1978 <sup>P</sup>	FEB. 1977	DEC. 1977	JAN. 1978 <sup>P</sup>	FEB. 1978 <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	\$5.09	\$5.42	\$5.48	\$5.48	\$182.73	\$196.75	\$192.90	\$193.99
<i>Seasonally adjusted</i> .....	5.10	5.42	5.48	5.49	184.62	196.20	195.05	195.99
<b>MINING</b> .....	6.76	6.68	6.84	6.85	292.71	292.58	289.33	292.90
<b>CONTRACT CONSTRUCTION</b> .....	7.88	8.27	8.33	8.27	288.41	301.03	274.89	283.66
<b>MANUFACTURING</b> .....	5.43	5.88	5.92	5.92	216.66	241.67	231.47	234.43
<b>DURABLE GOODS</b> .....	5.79	6.29	6.30	6.30	233.92	263.55	250.11	253.26
Ordnance and accessories .....	6.06	6.61	6.63	6.69	246.04	276.30	265.20	259.57
Lumber and wood products .....	4.91	5.23	5.35	5.32	197.36	210.77	203.84	208.01
Furniture and fixtures .....	4.16	4.47	4.50	4.50	156.00	180.14	167.40	174.60
Stone, clay, and glass products .....	5.54	5.96	5.99	5.97	225.48	248.53	236.01	238.20
Primary metal industries .....	7.06	7.81	7.90	7.94	285.22	325.68	320.74	324.75
Fabricated metal products .....	5.62	6.07	6.04	6.02	227.05	256.15	239.79	242.00
Machinery, except electrical .....	6.02	6.48	6.46	6.52	248.63	278.64	264.86	271.23
Electrical equipment .....	5.17	5.61	5.62	5.63	208.35	230.01	220.30	221.26
Transportation equipment .....	6.87	7.56	7.48	7.48	281.67	329.62	300.70	299.95
Instruments and related products .....	5.10	5.41	5.45	5.46	207.06	222.89	215.28	220.56
Miscellaneous manufacturing .....	4.25	4.51	4.56	4.55	167.03	177.24	171.46	172.90
<b>NONDURABLE GOODS</b> .....	4.93	5.27	5.34	5.33	192.76	210.27	204.52	206.27
Food and kindred products .....	5.22	5.58	5.60	5.63	207.23	223.76	218.40	219.57
Tobacco manufacturers .....	5.37	5.70	5.98	6.05	206.75	222.87	221.86	217.20
Textile mill products .....	3.84	4.12	4.16	4.14	154.37	166.51	163.07	165.19
Apparel and other textile products .....	3.55	3.75	3.84	3.82	125.32	134.63	127.49	134.08
Paper and allied products .....	5.69	6.20	6.22	6.24	239.55	265.70	261.86	260.83
Printing and publishing .....	5.93	6.28	6.33	6.32	222.38	241.78	234.21	235.10
Chemicals and allied products .....	6.18	6.67	6.71	6.73	256.47	280.81	277.12	279.30
Petroleum and coal products .....	7.63	7.86	8.26	8.48	318.93	345.05	355.18	363.75
Rubber and plastics products, nec .....	5.03	5.26	5.30	5.29	207.74	216.71	209.88	208.96
Leather and leather products .....	3.60	3.71	3.80	3.83	131.40	139.50	136.80	139.03
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	6.74	7.24	7.29	7.29	270.95	291.77	287.96	290.87
<b>WHOLESALE AND RETAIL TRADE</b> .....	4.20	4.39	4.53	4.54	138.60	147.07	146.32	147.10
<b>WHOLESALE TRADE</b> .....	5.40	5.77	5.84	5.80	209.52	226.18	224.26	222.72
<b>RETAIL TRADE</b> .....	3.76	3.92	4.06	4.07	117.69	125.44	123.83	124.54
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4.52	4.75	4.83	4.81	165.88	173.65	177.26	175.57
<b>SERVICES</b> .....	4.61	4.91	4.99	4.99	153.97	163.50	165.67	165.17

<sup>1</sup> See footnote 1, table B-2.  
p=preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

Table B-4. Hourly earnings index for production or nonsupervisory workers on private nonagricultural payrolls, by industry division, seasonally adjusted

[1967=100]

Industry	FEB. 1977	SEPT. 1977	OCT. 1977	NOV. 1977	DEC. 1977	JAN. P 1978	FEB. P 1978	Percent change from	
								FEB. 1977- FEB. 1978	JAN. 1978- FEB. 1978
<b>TOTAL PRIVATE NONFARM:</b>									
Current dollars .....	193.2	201.2	203.3	204.1	205.2	207.8	207.8	7.6	(4)
Current (1967) dollars .....	109.0	109.5	110.2	110.2	110.3	110.9	N.A.	(2)	(3)
MINING .....	209.9	218.8	221.7	221.7	219.1	221.7	222.3	5.9	.3
CONTRACT CONSTRUCTION .....	191.4	196.2	197.8	198.5	198.9	200.5	201.1	5.1	.3
MANUFACTURING .....	193.4	202.7	204.2	205.4	206.3	208.0	208.9	8.0	.4
TRANSPORTATION AND PUBLIC UTILITIES .....	206.2	215.0	217.8	219.1	221.5	222.8	222.4	7.9	-2
WHOLESALE AND RETAIL TRADE .....	187.4	194.4	196.2	197.1	198.8	202.4	202.4	8.0	(4)
FINANCE, INSURANCE, AND REAL ESTATE .....	175.5	181.8	185.2	185.3	185.8	188.7	186.3	6.2	-1.2
SERVICES .....	197.3	205.8	208.6	208.8	209.8	213.8	213.0	8.0	-4

<sup>1</sup> See footnote 1, table B-2.

<sup>2</sup> PERCENT CHANGE WAS 1.1 FROM JANUARY 1977 TO JANUARY 1978, THE LATEST MONTH AVAILABLE.

<sup>3</sup> PERCENT CHANGE WAS .5 FROM DECEMBER 1977 TO JANUARY 1978, THE LATEST MONTH AVAILABLE.

<sup>4</sup> LESS THAN 0.05 PERCENT.

N.A. = not available.

p=preliminary.

NOTE: All series are in current dollars except where indicated. 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.

Table B-5. Indexes of aggregate weekly hours of production or nonsupervisory workers, on private nonagricultural payrolls, by industry, seasonally adjusted

[1967=100]

Industry division and group	1977											1978	
	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN. P	FEB. P
<b>TOTAL PRIVATE</b> .....	114.2	115.0	115.4	115.9	115.8	115.8	115.6	115.9	116.8	117.2	117.5	116.0	116.5
<b>GOODS-PRODUCING</b> .....	98.6	100.1	100.8	101.4	101.8	101.4	100.6	100.5	101.7	102.3	102.1	99.4	101.1
MINING .....	134.3	140.6	141.6	140.6	142.3	139.9	134.7	142.5	143.9	144.8	113.3	110.8	111.6
CONTRACT CONSTRUCTION .....	105.8	108.7	111.7	112.4	111.8	112.8	110.8	110.4	112.3	114.0	113.5	104.0	107.2
MANUFACTURING .....	96.1	97.2	97.5	98.1	98.7	98.0	97.6	97.8	98.4	98.8	95.7	98.1	95.6
DURABLE GOODS .....	95.2	96.8	96.9	97.8	98.7	98.3	98.1	98.4	99.3	99.5	100.8	99.2	100.8
Ordnance and accessories .....	39.3	39.2	40.1	40.7	41.0	40.5	39.3	39.1	38.2	38.2	40.2	40.4	35.2
Lumber and wood products .....	103.0	103.6	103.5	104.1	104.0	105.3	104.0	106.0	106.8	109.5	109.8	108.2	107.7
Furniture and fixtures .....	103.2	105.3	106.1	107.1	107.9	108.4	107.2	108.3	110.6	111.7	113.8	109.1	115.9
Stone, clay, and glass products .....	97.4	101.7	103.9	104.2	105.4	104.9	104.1	103.3	103.2	106.7	107.0	104.5	105.0
Primary metal industries .....	85.9	88.6	89.7	90.7	90.9	89.0	88.2	89.0	89.7	89.5	89.7	88.6	90.2
Fabricated metal products .....	100.3	101.7	101.3	102.8	104.2	103.7	103.3	103.1	105.0	105.7	107.7	104.7	107.5
Machinery, except electrical .....	97.9	98.7	98.8	100.2	101.6	103.2	103.5	103.6	105.5	104.9	106.0	104.1	107.1
Electrical equipment and supplies .....	95.6	96.1	96.3	97.2	97.9	98.3	98.3	97.8	98.8	99.4	100.4	99.2	108.4
Transportation equipment .....	92.9	96.4	94.7	95.3	96.5	94.8	95.4	96.5	96.2	94.5	96.7	96.3	96.4
Instruments and related products .....	112.7	111.6	111.7	112.3	113.2	111.7	111.3	112.4	113.2	113.4	114.4	112.8	115.6
Miscellaneous manufacturing industry .....	96.5	95.5	95.0	94.7	94.6	91.4	91.3	90.3	91.1	91.5	93.9	93.1	93.9
NONDURABLE GOODS .....	97.3	97.7	98.5	98.5	98.7	97.7	96.9	96.5	97.1	97.8	98.1	96.6	97.9
Food and kindred products .....	97.5	97.8	98.5	97.3	97.3	95.9	94.5	94.1	92.8	94.2	94.6	94.6	95.7
Tobacco manufacturers .....	82.4	75.1	80.5	78.2	80.2	77.2	71.7	73.2	72.4	72.2	74.0	72.4	65.2
Textile mill products .....	98.1	99.4	99.6	100.2	99.7	99.9	98.9	99.4	100.2	101.4	100.8	99.6	100.3
Apparel and other textile products .....	87.9	88.1	87.7	88.6	85.8	87.6	87.8	87.2	87.8	88.6	89.0	84.3	87.3
Paper and allied products .....	98.2	98.6	100.8	100.4	101.1	100.3	99.4	99.7	100.2	99.6	100.8	99.3	100.6
Printing and publishing .....	94.6	94.5	95.2	95.1	95.3	95.6	95.1	95.7	95.7	95.9	95.9	95.3	95.7
Chemicals and allied products .....	101.6	102.2	102.9	103.3	103.8	103.7	103.4	103.0	102.6	103.0	103.5	103.7	104.9
Petroleum and coal products .....	114.4	118.4	119.6	119.3	121.6	119.9	120.4	120.8	122.8	124.8	125.7	127.8	128.4
Rubber and plastics products, nec .....	131.8	132.9	134.8	135.3	133.9	132.5	129.7	129.3	130.5	132.5	133.8	131.1	132.3
Leather and leather products .....	72.1	71.8	73.4	73.3	72.9	69.9	71.8	72.7	73.8	73.7	71.9	70.7	70.4
<b>SERVICE-PRODUCING</b> .....	125.0	125.3	125.5	125.9	125.6	125.8	126.1	126.4	127.2	127.5	128.2	127.5	127.8
TRANSPORTATION AND PUBLIC UTILITIES .....	104.4	104.1	103.8	104.6	104.1	103.1	103.5	103.9	102.9	105.1	105.6	103.8	105.3
WHOLESALE AND RETAIL TRADE .....	120.3	120.7	121.0	121.4	121.2	121.6	121.6	121.8	122.7	122.4	123.2	122.5	122.9
WHOLESALE TRADE .....	117.1	116.9	117.3	117.3	117.3	117.5	117.5	117.6	118.7	118.8	118.9	118.9	120.0
RETAIL TRADE .....	121.6	122.1	122.4	123.0	122.7	123.1	123.1	123.3	124.2	123.7	124.8	123.8	124.0
FINANCE, INSURANCE, AND REAL ESTATE .....	130.2	131.0	131.0	131.6	131.7	132.3	132.7	133.2	134.2	134.9	134.9	135.4	135.3
SERVICES .....	139.3	139.8	140.1	140.3	139.6	140.1	140.6	140.9	142.7	142.6	143.4	143.0	142.6

<sup>1</sup> See footnote 1, table B-2.

p=preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-6. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
<b>1975</b>				
January .....	15.1	12.8	12.8	16.6
February .....	15.7	12.8	11.9	17.4
March .....	25.6	18.6	17.7	17.7
April .....	39.0	32.3	28.2	20.6
May .....	51.2	43.9	41.6	27.0
June .....	40.7	52.3	56.7	40.7
July .....	58.1	57.0	67.2	50.6
August .....	73.0	76.2	70.1	63.1
September .....	80.8	81.7	75.3	72.4
October .....	66.9	74.1	82.3	77.3
November .....	62.2	72.4	83.4	80.2
December .....	74.1	74.7	81.7	82.6
<b>1976</b>				
January .....	78.5	82.0	83.1	86.0
February .....	77.9	84.3	81.7	84.6
March .....	74.1	85.2	79.9	81.1
April .....	79.4	77.9	79.4	74.4
May .....	66.6	71.5	70.9	79.7
June .....	54.1	61.0	68.6	79.1
July .....	57.3	52.9	57.0	74.1
August .....	47.1	62.5	57.3	74.7
September .....	69.8	56.7	63.7	78.5
October .....	42.4	62.8	69.8	76.5
November .....	69.5	58.7	73.5	75.0
December .....	73.0	79.9	78.5	74.7
<b>1977</b>				
January .....	75.0	79.7	89.0	75.9
February .....	73.5	86.0	86.6	75.6
March .....	82.3	85.8	83.1	78.2
April .....	77.6	84.0	80.5	78.2
May .....	68.6	73.3	71.5	79.1
June .....	63.7	70.1	68.0	77.6
July .....	65.7	56.1	68.3	77.5p
August .....	50.0	62.5	68.3	78.4p
September .....	61.3	57.0	72.1	
October .....	59.9	73.3	74.9p	
November .....	75.9	76.2	80.4p	
December .....	73.8	79.2p		
<b>1978</b>				
January .....	67.5p	78.9p		
February .....	72.2p			
March .....				
April .....				
May .....				
June .....				
July .....				
August .....				
September .....				
October .....				
November .....				
December .....				

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