

Employment and Earnings

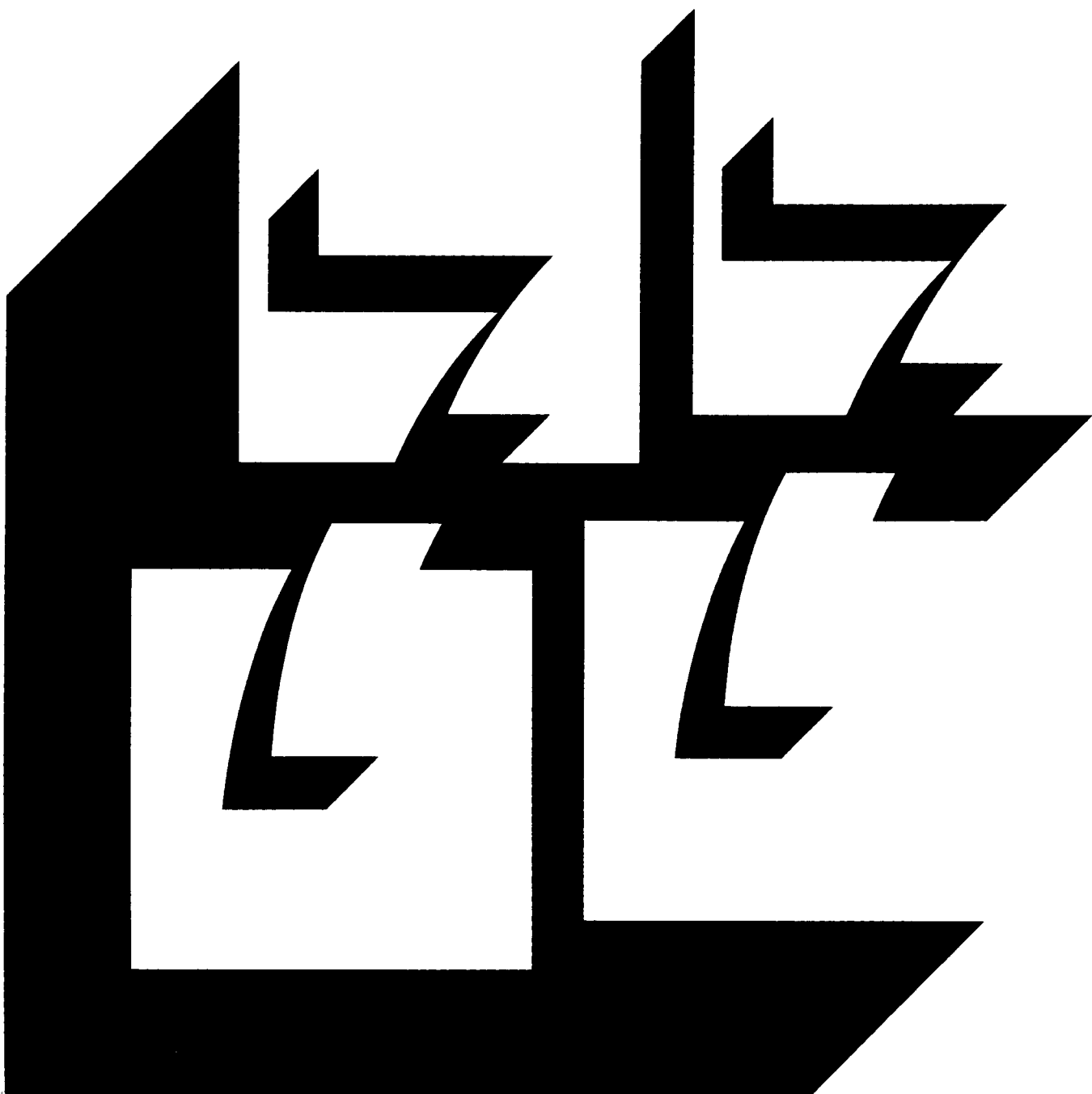
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In this issue:
1976 annual averages for
all national industry series





U.S. DEPARTMENT OF LABOR

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BUREAU OF LABOR STATISTICS

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Employment and Earnings

Vol. 24 No. 3 March 1977

Editors: Chester L. Green, Gloria P. Green, James A. McCall

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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:											
	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Oct.	Nov.	Dec.	
Household data											
Annual averages	x										
Revised seasonally adjusted series		x									
Quarterly averages:											
Seasonally adjusted data											
Persons not in labor force											
Persons of Spanish origin											
Vietnam-Era veterans and nonveterans											
Poverty-nonpoverty area data	x			x		x		x			
Establishment data											
National annual averages:											
Industry divisions (preliminary)	x										
Industry detail (final)			x								
Women employment (National)		x			x		x		x		
National data adjusted to new benchmarks		(1)						(1)			
Revised seasonally adjusted series		(2)									(2)
State and area annual averages					x						
Area definitions					x						

¹ The issue that introduces new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks. Interim revisions of selected series appear in the February 1977 issue.

² Revised data introduced December 1976 and February 1977.

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Employment and Unemployment Developments, February 1977

Both employment and unemployment rose in February. The unemployment rate moved up to 7.5 percent, after declining from 8.0 percent last November to 7.3 percent in January. Nearly all of the 225,000 rise in unemployment from January to February reflected increased layoffs, probably the result of energy shortages.

Total employment—as measured by the monthly survey of households—continued to advance in February, posting an over-the-month gain of 400,000 to 89.0 million. The employed total was 2.5 million above a year ago.

Nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 260,000 in February to 80.8 million. In addition, hours of work recovered from January levels adversely affected by unusually bad weather. As a result of these two developments, aggregate worker hours registered an unusually large gain over the month.

Unemployment

The number of persons unemployed increased by 225,000 in February to 7.2 million, seasonally adjusted, following a decrease of more than half a million in January. The over-the-month rise resulted from job losses due to layoffs. The overall unemployment rate rose from 7.3 percent in January to 7.5 percent. This followed a decline of 0.5 percentage point in the previous month and leaves the unemployment rate half a point below the 1976 high recorded in November.

The February increase took place among both adult men and women, whose rates moved to 5.8 and 7.2 percent, respectively. Jobless rates for most other major demographic groups—including teenagers (18.5 percent), whites (6.7 percent), and blacks (13.1 percent)—showed little or no change from January.

There was a decline in the number of long-term unemployed, workers who had been seeking jobs for 15 weeks or longer. The average (mean) duration of unemployment fell from 15.5 weeks, a level around which it had fluctuated since last July, to 14.7 weeks, the lowest in 21 months.

The number of persons who usually work full time but whose working hours had been reduced because of economic factors rose by 220,000 in February to 1.3 million. Nearly all of this increase was attributed to material shortages stemming from energy and weather-related problems.

Total employment and the labor force

Total employment rose for the fourth consecutive month, advancing by 400,000 in February to a record high of 89.0 million, seasonally adjusted. This pickup was about evenly distributed among adult men, adult women, and teenagers and took place entirely among workers in non-agricultural industries. Agricultural employment remained at an alltime low of 3.1 million. Over the past year, total employment has risen by 2.5 million, with the increase since October totaling 1.2 million.

The over-the-month increase in employment and unemployment resulted in a gain of 630,000 in the civilian labor force to 96.1 million. This sharp advance followed a reduction of 440,000 in the previous month and was most pronounced among adult workers. Since last February, the labor force has grown by more than 2.5 million, with adult men and women each adding more than a million workers.

The civilian labor force participation rate—the proportion of the civilian noninstitutional population either working or seeking work—was 61.9 percent, up from 61.5 percent in January and well above the level of a year earlier.

Industry payroll employment

Total nonagricultural payroll employment also increased for the fourth straight month, advancing by 260,000 from the January level to 80.8 million, seasonally adjusted. There is evidence that the February job gain would have been greater in the absence of energy-related problems, though the specific impact cannot be precisely determined at this time. Over-the-month gains occurred in 62 percent of the industries that comprise the BLS diffusion index of nonagricultural payroll employment. Over the past year, payroll employment has grown by 2.2 million with almost half occurring since October.

Employment gains were posted in all major industry divisions except manufacturing and government. In the service-producing sector, strong gains took place in wholesale and retail trade (115,000) and services (50,000). Contract construction employment increased by 70,000, recovering from the depressed January level which had been caused by bad weather conditions. Manufacturing

employment remained unchanged at 19.2 million, as small increases in nondurable goods industries offset small declines in durables. Durable goods industries were affected the most by the February energy-related cutbacks in plant operations.

Hours

With a return to more normal weather conditions, the average workweek rose by 0.5 hour in February to 36.4 hours, seasonally adjusted. The manufacturing workweek increased even more markedly, rising 0.8 hour to 40.4 hours, while factory overtime edged up 0.1 hour to 3.3 hours. Average hours in contract construction more than recovered from the depressed January level, increasing 2.6 hours to 37.8 hours.

Reflecting increases in both employment and average hours, the index of aggregate hours for private nonagricultural production or nonsupervisory workers rose substantially, from 112.6 to 114.7, an alltime high. The index was 3.2 percent above its year-ago level and 8.1 percent above the spring 1975 low. The factory index was 96.3,

up sharply from the January level; the index was 11.2 percent above its March 1975 recession low.

Hourly and weekly earnings

Average hourly earnings of private nonagricultural production or nonsupervisory workers increased 0.4 percent in February, seasonally adjusted. Due to the strong gain in average hours, average weekly earnings rose 1.8 percent over the month.

Before adjustment for seasonality, average hourly earnings were \$5.06, up 1 cent from January. Average weekly earnings rose \$2.88 over the month to \$182.16.

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 192.2 (1967=100) in February, 0.1 percent higher than in January. The index was 6.6 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 1.9 percent.

Detailed Industry Employment Estimates from the Current Population Survey

*Bob Whitmore

Regular publication of annual average data on detailed industry employment derived from the Current Population Survey (CPS) begins with this issue of *Employment and Earnings* and will continue early each subsequent year. The accompanying table presents employment data for nine major industry divisions and over 200 individual industries or combinations of industries on an annual basis for 1976. Also shown is the proportion of employment in each of these industries that is accounted for by women and blacks.¹ These data are being published in response to increased demand for industry data with demographic detail not available from the establishment (payroll) survey, which is the prime source for detailed industry employment statistics.

Household survey (CPS) figures can be expected to show different levels of employment than the payroll employment data which appear in the "B" tables of this publication. These differences are in part inherent in the concepts and scope of the two series. The household survey provides information on the labor force activity of the entire population 16 years of age and over, without duplication, since each person is classified as employed, unemployed, or not in the labor force.

The payroll survey relates to paid wage and salary employees (regardless of age) on the payrolls of nonagricultural establishments. The household survey counts employed persons in both agricultural and nonagricultural industries and, in addition to wage and salary workers (including private household workers), includes the self-employed, unpaid family workers, and persons "with a job but not at work" and not paid for the period absent. Persons who work at more than one job during the reference period or otherwise appear on more than one payroll will therefore be 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. Other discrepancies in levels stem from differences in sampling techniques and collection and estimation methodology, as explained in the Explanatory Notes of this publication.²

Moreover, industrial classifications used in the two surveys are not strictly comparable. Those used in the CPS are defined as in the 1970 Census of Population,³ while those used in the payroll survey are defined as in the Standard Industrial Classification (SIC) Manual, Bureau of the Budget,

1967. These classification differences are most apparent with respect to the construction and government industries. The payroll survey covers workers in contract construction—those employed by bona fide contractors as defined in the SIC. It thus omits so-called "force account" construction workers—those employed by an establishment, the main product or service of which is something other than construction—"speculative" construction workers, and¹ government employees engaged in construction activities. The household series includes all persons whose major job is reported to be construction work and thus does not differentiate between these types of construction workers. These differences are probably concentrated in manufacturing and trade (force-account construction) and finance, insurance, and real estate (speculative construction).

In the case of government workers, the payroll survey treats government as a separate industry division, while the CPS has a more limited category, public administration, which includes only those workers whose jobs entail the administration of government activities. Other governmental employment appears throughout the major industry groups and is particularly prominent in construction and services. However, total government is available from the CPS as a "class-of-worker" category.

Statistical reliability of detailed industry employment data also differs considerably between the two surveys. Household survey estimates are subject to a greater degree of error than are the estimates derived from the payroll survey, because of the relatively small sample sizes in many instances and because of response bias to the extent that household respondents may not accurately report the industry of employment.

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¹ Statistics on blacks and members of other minority races are used to depict the situation of black workers. According to the 1970 census, black workers comprised about 89 percent of the "black and other" population group.

² For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green "Comparing employment estimates from household and payroll surveys," *Monthly Labor Review*, December 1969. For a long-term analysis of industry trends in the two series, see Christopher G. Gellner, "A 25-Year Look at Employment as Measured by Two Surveys," *Monthly Labor Review*, July 1973.

³ See, "1970 Census of Population Classified Index of Industries and Occupations," Bureau of the Census, September 1971.

In view of the reliability problem of small data cells, publication has been limited to all industries or combinations of industries having 1976 annual employment estimates of 50,000 or more. However, proportions of female and black employment are published regardless of the size of the numerators. Standard errors on annual employment estimates may be approximated by multiplying by 0.68. the standard errors of the monthly data shown in table B (with interpolations, where necessary) of the Explanatory Notes of this publication. For example, a monthly employment estimate of 500,000 has a standard error of 30,000; on an annual basis, the chances are 90 out of 100 (1.6 sigma) that the true estimate lies between 467,000 and 533,000. Similarly, an annual employment estimate of 5 million would be reliable within the range of 4,908,000 to 5,092,000.

Data users should also be aware of the fact that the reliability of detailed industry employment levels by sex and race is affected to a greater degree than are the totals. For this reason, only the proportions of female and black employment in each industry or combination of industries are published in the table. Since these percentages are shown

for all categories regardless of the size of their respective numerators, the degree of statistical error can be quite high, as indicated in table 1. To cite a hypothetical example, for a given industry of 50,000 employment in which there are 10,000 blacks, the relative error on this 20-percent ratio, at 1.6 sigma, would be approximately plus or minus 7 percentage points, or about 35 percent. Clearly, in cases where the numerator is less than 10,000, assuming the same base, the relative error would be higher.

Although the two surveys differ in coverage, sources of data, methods of collection and estimation procedures, each possesses unique qualities. Because it is derived from payroll records of a large number of firms and thus has a high degree of statistical reliability, the establishment series is the primary source of national, State, and area employment data by industry. The household survey, on the other hand, provides a demographic composition of industrial employment that is not available from the establishment reports. Which series should be used depends upon the purpose to which data are required. A recognition of the advantages and limitations of each can provide the user with a broader perspective on industrial employment.

Table 1. Standard error of annual average percentages¹

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
50	1.1	1.5	2.3	3.2	3.8	4.2	4.6	5.1	5.3
100 .....	.7	1.1	1.6	2.3	2.7	3.0	3.3	3.6	3.8
150 .....	.6	.9	1.3	1.8	2.2	2.4	2.7	2.9	3.1
250 .....	.5	.7	1.0	1.4	1.7	1.9	2.1	2.3	2.4
500 .....	.3	.5	.7	1.0	1.2	1.3	1.5	1.6	1.7
1,000 .....	.2	.3	.5	.7	.9	1.0	1.0	1.1	1.2
2,000 .....	.2	.2	.4	.5	.6	.7	.7	.8	.8
3,000 .....	.1	.2	.3	.4	.5	.6	.6	.7	.7
5,000 .....	.1	.1	.2	.3	.4	.4	.5	.5	.5
10,000 .....	.1	.1	.2	.2	.3	.3	.3	.4	.4
25,000 .....	.05	.1	.1	.1	.2	.2	.2	.2	.2
50,000 .....	.03	.05	.1	.1	.1	.1	.1	.2	.2
75,000 .....	.03	.04	.1	.1	.1	.1	.1	.1	.1

¹ When using the above table for agricultural industries, multiply the table entry by a factor of 4/3.

Table 2. Employed persons in selected industries, 1976 annual averages

(Numbers in thousands)

Industries	Total employed	Percent distribution		Industries	Total employed	Percent distribution	
		Females	Black and other			Females	Black and other
Total	87,485	40.1	10.8	Nondurable goods industries—Continued			
				Food and kindred products—Continued			
Agriculture, forestry, and fisheries	3,417	17.5	8.1	Tobacco manufacturers	63	39.7	38.1
Agricultural production	2,842	16.8	7.7	Textile mill products	844	47.4	16.6
Agricultural services, except horticultural	254	35.4	6.7	Knitting mills	208	63.9	10.1
Horticultural services	201	7.0	16.4	Yarn, thread, and fabric mills	480	45.0	20.8
Forestry	67	19.4	9.0	Miscellaneous textile mill products	60	33.3	11.7
Fisheries	53	7.5	7.5	Apparel and other finished textile products	1,251	78.9	17.6
Mining	770	9.5	3.4	Apparel and accessories	1,082	80.8	17.5
Metal mining	117	6.0	.9	Miscellaneous fabricated textile products	169	66.9	18.3
Coal mining	210	3.3	1.4	Paper and allied products	649	21.4	10.6
Crude petroleum and natural gas extraction	347	15.9	4.0	Pulp, paper, and paperboard mills	238	9.2	9.7
Nonmetallic mining and quarrying, except fuel	96	5.2	9.4	Miscellaneous paper and pulp products	207	31.9	11.1
Construction	5,162	6.6	7.5	Paperboard containers and boxes	204	25.0	11.3
General building contractors	1,472	6.1	7.9	Printing, publishing and allied industries	1,303	37.1	6.0
General contractors, except building	1,064	5.9	8.4	Newspaper publishing and printing	459	36.6	4.6
Special trade contractors	2,409	6.7	6.6	Printing, publishing, and allied industries, except newspapers	844	37.4	6.8
Manufacturing	20,044	29.3	11.1	Chemicals and allied products	1,136	25.2	11.4
Durable goods	11,965	22.6	10.4	Industrial chemicals	395	15.9	10.4
Lumber and wood products, except furniture	698	11.3	17.5	Plastics, synthetics and resins, except fibers	95	13.7	14.7
Logging	183	2.7	27.9	Synthetic fibers	78	29.5	12.8
Saw mills, planing mills, and mill work	393	10.9	14.5	Drugs and medicines	188	39.9	9.6
Miscellaneous wood products	122	25.4	10.7	Soaps and cosmetics	139	47.5	15.1
Furniture and fixtures	504	28.6	9.5	Paints, varnishes, and related products	73	19.2	8.2
Stone, clay, and glass products	675	20.0	11.1	Agricultural chemicals	67	20.9	16.4
Glass and glass products	228	31.6	9.6	Miscellaneous chemicals	101	18.8	7.9
Cement, concrete, gypsum, and plaster products	223	6.3	13.9	Petroleum and coal products	237	16.9	9.7
Miscellaneous nonmetallic mineral and stone products	149	20.8	10.1	Petroleum refining	209	17.2	9.6
Primary metal industries	1,251	9.8	14.3	Rubber and miscellaneous plastic products	614	32.4	9.3
Blast furnaces, steel rolling, and finishing mills	510	5.5	14.1	Rubber products	304	25.3	10.9
Other primary iron and steel industries	328	9.5	20.1	Miscellaneous plastic products	310	39.7	7.7
Primary aluminum industries	173	9.2	9.2	Leather and leather products	272	58.1	8.5
Other primary nonferrous industries	239	19.2	10.5	Footwear, except rubber	194	61.3	6.7
Fabricated metal products	1,409	20.5	8.9	Leather products, except footwear	59	62.7	11.9
Cutlery, hand tools, and other hardware	164	34.8	8.5	Transportation, communication, and other public utilities	5,652	22.3	11.5
Fabricated structural metal products	513	12.5	9.2	Transportation	3,234	17.1	11.5
Screw machine products	91	23.1	6.6	Railroads and railway express	590	6.6	7.6
Metal stamping	158	25.3	9.5	Street railways and bus lines	480	32.5	18.5
Miscellaneous fabricated metal products	483	22.2	8.9	Taxicab service	114	9.6	23.7
Machinery, except electrical	2,237	17.3	6.3	Trucking service	1,135	8.5	9.0
Engines and turbines	105	17.1	11.4	Warehousing and storage	138	21.0	13.8
Farm machinery and equipment	202	11.4	7.9	Water transportation	175	9.1	19.4
Construction and material handling machines	350	12.0	8.9	Air transportation	432	28.7	8.8
Metalworking machinery	322	14.0	2.2	Services incidental to transportation	154	51.3	10.4
Office and accounting machines	116	30.2	6.9	Communication	1,166	45.4	10.5
Electronic computing equipment	225	26.7	7.6	Radio broadcasting and television	162	29.6	10.5
Machinery, except electrical, n.e.c.	916	18.1	5.2	Telephone (wire and radio)	954	48.5	10.6
Electrical machinery, equipment, and supplies	2,031	39.9	9.8	Telegraph and miscellaneous communication services	50	36.0	10.0
Household appliances	175	34.3	9.7	Utilities and sanitary services	1,253	14.4	12.5
Radio, T.V., and communication equipment	566	38.9	9.7	Electric light and power	464	15.9	8.6
Electrical machinery, equipment, and supplies, n.e.c.	1,285	41.2	9.9	Electric-gas utilities	197	15.7	11.7
Transportation equipment	1,967	13.8	13.5	Gas and steam supply systems	166	18.7	4.8
Motor vehicles and motor vehicle equipment	1,028	13.6	14.6	Water supply	155	16.1	12.3
Aircraft and parts	501	17.8	8.6	Sanitary services	224	4.0	28.1
Ship and boat building and repairing	291	7.6	21.3	Wholesale and retail trade	18,025	43.7	7.7
Mobile dwellings and campers	78	11.5	6.4	Wholesale trade	3,462	23.3	7.3
Professional and photographic equipment and watches	515	38.3	6.4	Motor vehicles and equipment	248	22.6	5.2
Scientific and controlling instruments	155	32.3	5.2	Drugs, chemicals, and allied products	174	25.3	6.9
Optical and health services supplies	204	46.1	5.9	Dry goods and apparel	95	37.9	9.5
Photographic equipment and supplies	119	26.9	9.2	Food and related products	522	21.3	9.4
Ordnance	187	19.8	8.6	Farm products—raw materials	129	19.4	5.4
Miscellaneous manufacturing industries	491	46.4	9.4	Electrical goods	216	25.9	4.2
Nondurable goods industries	8,079	39.3	12.1	Hardware, plumbing, and heating supplies	152	21.7	4.6
Food and kindred products	1,692	26.7	12.6	Machinery equipment and supplies	721	21.5	4.4
Meat products	370	29.5	14.6	Metals and minerals, n.e.c.	110	17.3	10.0
Dairy products	180	18.3	5.6	Petroleum products	186	24.7	5.4
Canning and preserving fruits, vegetables and seafood	258	41.5	13.2	Scrap and waste materials	128	9.4	20.3
Grain-mill products	126	18.3	7.9	Alcoholic beverages	115	13.2	9.6
Bakery products	285	21.8	13.0	Paper and its products	93	29.0	7.5
Confectionary and related products	76	50.0	19.7	Lumber and construction materials	128	15.6	9.4
Beverage industries	226	17.7	14.2	Wholesalers, n.e.c.	433	33.9	7.6
Miscellaneous food preparation and kindred products	169	23.1	13.0	Retail trade	14,563	48.6	7.8
				Lumber and building material, retailing	378	20.9	5.6
				Hardware and farm equipment stores	279	25.4	2.2
				Department and mail order establishments	1,950	68.1	8.9

Table 2. Employed persons in selected industries, 1976 annual averages—Continued

(Numbers in thousands)

Industries	Total employed	Percent distribution		Industries	Total employed	Percent distribution	
		Females	Black and other			Females	Black and other
Wholesale and retail trade—Continued				Service industries—Continued			
Wholesale trade—Continued				Business and repair services—Continued			
Limited price variety stores	197	77.2	6.6	Automobile services, except repair	172	24.4	11.0
Vending machine operators	69	29.0	10.1	Automobile repair and related services	574	7.8	8.2
Direct selling establishments	316	72.8	3.8	Electrical repair shops	132	12.9	5.3
Miscellaneous general merchandise store	199	76.4	7.0	Miscellaneous repair services	316	15.8	6.0
Grocery stores	1,975	40.6	8.7	Personal services	3,789	72.5	22.0
Dairy products stores	50	58.0	2.0	Private households	1,382	85.9	34.3
Retail bakeries	131	62.6	6.1	Hotels and motels	640	58.1	23.1
Food stores, n.e.c.	159	48.4	8.8	Lodging places, except hotels and motels	375	78.9	9.1
Motor vehicle dealers	879	13.8	5.7	Laundrying, cleaning, and other garment services	400	59.0	22.3
Tire, battery, and accessory dealers	297	20.2	5.4	Beauty shops	548	88.0	7.5
Gasoline service stations	715	10.6	6.4	Barber shops	127	9.4	15.7
Miscellaneous vehicle dealers	132	21.2	3.0	Dressmaking shops	51	96.1	11.8
Apparel and accessory stores, except shoe stores	630	73.7	7.6	Miscellaneous personal services	240	43.8	8.8
Shoe stores	134	38.8	5.2	Entertainment and recreation services	922	35.5	8.9
Furniture and home furnishing stores	434	33.9	6.5	Theaters and motion pictures	302	32.1	7.9
Handheld appliances, T.V., and radio stores	254	27.2	5.5	Bowling alleys, billiard and pool parlors	63	31.7	9.5
Eating and drinking places	3,480	60.4	10.7	Miscellaneous entertainment and recreation services	557	37.7	9.5
Drug stores	431	59.9	4.2	Professional and related services	17,158	64.4	13.0
Liquor stores	128	25.8	12.5	Offices of physicians	641	66.9	5.1
Farm and garden supply stores	169	24.9	5.3	Offices of dentists	325	67.7	3.7
Jewelry stores	129	55.0	7.8	Hospitals	3,568	76.2	19.5
Fuel and ice dealers	109	22.9	4.6	Convalescent institutions	945	86.5	17.2
Retail florists	139	64.0	3.6	Offices of health practitioners, n.e.c.	68	48.5	4.4
Miscellaneous retail stores	786	52.3	5.6	Health services, n.e.c.	548	64.8	14.2
Finance, insurance, and real estate	4,793	52.5	8.0	Legal services	560	46.8	3.8
Banking	1,293	65.7	8.8	Elementary and secondary schools	5,180	70.3	12.4
Credit agencies	415	60.5	5.8	Colleges and universities	1,935	47.4	11.8
Security, commodity, brokerage, and investment companies	246	37.8	4.9	Libraries	127	78.0	10.2
Insurance	1,599	51.3	7.7	Educational services, n.e.c.	297	63.0	8.8
Real estate, including real estate-insurance laws offices	1,241	40.7	9.0	Museums, art galleries, and zoos	58	41.4	6.9
Service industries	29,622	55.9	13.9	Religious organizations	596	38.4	8.2
Business and repair services	2,959	29.9	9.3	Welfare services	628	69.9	23.2
Advertising	154	40.3	4.5	Residential welfare facilities	97	68.0	13.4
Services to dwellings and other buildings	282	33.0	21.3	Nonprofit membership organizations	476	53.6	11.3
Commercial research, development, and testing labs	135	25.9	7.4	Engineering and architectural services	418	15.6	7.4
Employment and temporary help agencies	134	68.7	9.7	Accounting, auditing, and bookkeeping	352	42.6	3.4
Business management and consulting services	211	52.1	4.7	Miscellaneous professional and related services	310	43.9	5.8
Computer programming services	125	32.0	6.4	Public administration	4,793	31.9	14.4
Detective and protective services	186	14.5	15.6	Postal service	688	20.6	20.1
Business services, n.e.c.	536	50.9	8.4	Federal public administration	1,560	36.7	16.6
				State public administration	797	39.0	10.5
				Local public administration	1,749	28.8	12.0

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically identified.

Spendable Earnings Formulas 1939-77

The spendable earnings formulas for 1977, to be used with the monthly estimates of gross average weekly earnings, are shown on the following pages along with the historical formulas. The formulas for 1977 reflect the increase in maximum taxable income (from \$15,300 to \$16,500) on which Social Security taxes are paid. The 5.85 percent tax rate remains the same. This change affects spendable earnings computations for average weekly earnings of \$294.24 or more.

Spensible Average Weekly Earnings Formulas, 1939-77

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
January 1939–December 1939	\$0 – \$22.73 22.74– 57.69	0.99X .95616X+\$0.77	\$0 – \$57.69	0.99X
January 1940–December 1940	0 – 18.18 18.19– 57.69	.99X .95278X+ .68	0 – 57.69	.99X
January 1941–December 1941	0 – 15.34 15.35– 17.04 17.05– 56.25	.99X .9336X+ .87 .89976X+ 1.44	0 – 47.05 47.06– 52.28 52.29– 57.69	.99X .9336X+\$2.65 .89976X+ 4.42
January 1942–December 1942	0 – 10.23 10.24– 11.36 11.37– 51.15 51.16– 57.69	.99X .8678X+ 1.25 .81704X+ 1.83 .78884X+ 3.27	0 – 38.87 38.88– 43.19 43.20– 57.69	.99X .8678X+ 4.75 .81704X+ 6.94
January 1943–December 1943	0 – 10.23 10.24– 11.36 11.37– 12.76 12.77– 51.15 51.16– 57.69	.99X .8678X+ 1.25 .81704X+ 1.83 .78179X+ 2.28 .75359X+ 3.72	0 – 12.76 12.77– 38.87 38.88– 43.19 43.20– 57.69	.99X .96368X+ .34 .84148X+ 5.09 .79072X+ 7.28
January 1944–December 1945	0 – 10.68 10.69– 53.41 53.42– 57.69 57.70– 96.15	.99X .783X+ 2.21 .765X+ 3.17 .775X+ 2.59	0 – 10.68 10.69– 42.74 42.75– 57.69 57.70– 85.47	.99X .963X+ .29 .783X+ 7.98 .793X+ 7.40
January 1946–December 1947	0 – 10.68 10.69– 53.41 53.42– 57.69 57.70– 96.15	.99X .819X+ 1.83 .8019X+ 2.74 .8119X+ 2.16	0 – 42.74 42.75– 57.69 57.70– 85.47	.99X .819X+ 7.31 .829X+ 6.73
January 1948–December 1949	0 – 12.82 12.83– 55.56 55.57– 57.69 57.70– 98.29	.99X .8406X+ 1.92 .81576X+ 3.30 .82576X+ 2.72	0 – 51.28 51.29– 57.69 57.70–136.75	.99X .8406X+ 7.66 .8506X+ 7.08
January 1950–September 1950	0 – 12.82 12.83– 55.56 55.57– 57.69 57.70– 98.29	.985X .8356X+ 1.92 .81076X+ 3.30 .82576X+ 2.43	0 – 51.28 51.29– 57.69 57.70–136.75	.985X .8356X+ 7.66 .8506X+ 6.80
October 1950–December 1950	0 – 12.82 12.83– 55.56 55.57– 57.69 57.70– 98.29	.985X .805X+ 2.31 .787X+ 3.31 .802X+ 2.44	0 – 51.28 51.29– 57.69 57.70–136.75	.985X .805X+ 9.23 .82X+ 8.37
1950 annual average ¹	0 – 12.82 12.83– 55.56 55.57– 57.69 57.70– 98.29	.985X .8284X+ 2.01 .80482X+ 3.32 .81982X+ 2.45	0 – 51.28 51.29– 57.69 57.70–136.75	.985X .8284X+ 8.03 .8434X+ 7.17
January 1951–October 1951	0 – 12.82 12.83– 55.56 55.57– 69.23 69.24– 98.29	.985X .805X+ 2.31 .787X+ 3.31 .802X+ 2.27	0 – 51.28 51.29– 69.23 69.24–136.75	.985X .805X+ 9.23 .82X+ 8.19
November 1951–December 1951	0 – 12.82 12.83– 55.56 55.57– 69.23 69.24– 98.29	.985X .7852X+ 2.56 .7636X+ 3.76 .7786X+ 2.72	0 – 51.28 51.29– 69.23 69.24–136.75	.985X .7852X+10.25 .8002X+ 9.21
1951 annual average ¹	0 – 12.82 12.83– 55.56 55.57– 69.23 69.24– 98.29	.985X .8014X+ 2.35 .7834X+ 3.35 .7984X+ 2.32	0 – 51.28 51.29– 69.23 69.24–136.75	.985X .8014X+ 9.42 .8164X+ 8.38
January 1952–December 1953	0 – 12.82 12.83– 55.56 55.57– 69.23 69.24– 98.29	.985X .7852X+ 2.56 .7636X+ 3.76 .7786X+ 2.72	0 – 51.28 51.29– 69.23 69.24–136.75	.985X .7852X+10.25 .8002X+ 9.21
January 1954–December 1954	0 – 12.82 12.83– 55.56 55.57– 69.23 69.24– 98.29	.98X .80X+ 2.31 .782X+ 3.31 .802X+ 1.92	0 – 51.28 51.29– 69.23 69.24–136.75	.98X .80X+ 9.23 .82X+ 7.85
January 1955–December 1956	0 – 12.82 12.83– 55.56 55.57– 80.77 80.78– 98.29 98.30–141.03	.98X .80X+ 2.31 .782X+ 3.31 .802X+ 1.69 .766X+ 5.23	0 – 51.28 51.29– 80.77 80.78–136.75	.98X .80X+ 9.23 .82X+ 7.62

See footnotes at end of table.

Spensible Average Weekly Earnings Formulas, 1939-77—Continued

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
January 1957—December 1958	0 — 12.82 12.83— 55.56 55.57— 80.77 80.78— 98.29 98.30—141.03	.9775X .7975X+ 2.31 .7795X+ 3.31 .802X+ 1.49 .766X+ 5.03	0 — 51.28 51.29— 80.77 80.78—136.75	.9775X .7975X+ 9.23 .82X+ 7.41
January 1959—December 1959	0 — 12.82 12.83— 55.56 55.57— 92.31 92.32— 98.29 98.30—141.03	.975X .795X+ 2.31 .777X+ 3.31 .802X+ 1.00 .766X+ 4.54	0 — 51.28 51.29— 92.31 92.32—136.75	.975X .795X+ 9.23 .82X+ 6.92
January 1960—December 1961	0 — 12.82 12.83— 55.56 55.57— 92.31 92.32— 98.29 98.30—141.03	.97X .79X+ 2.31 .772X+ 3.31 .802X+ .54 .766X+ 4.08	0 — 51.28 51.29— 92.31 92.32—136.75	.97X .79X+ 9.23 .82X+ 6.46
January 1962—December 1962	0 — 12.81 12.82— 55.56 55.47— 92.31 92.32— 98.29 98.30—141.03	.96875X .78875X+ 2.31 .77075X+ 3.31 .802X+ .42 .766X+ 3.96	0 — 51.28 51.29— 92.31 92.32—136.75	0.96875X .78875X+ 9.23 .82X+ 6.35
January 1963—December 1963	0 — 12.81 12.82— 55.56 55.57— 92.31 92.32— 98.29 98.30—141.03	.96375X .78375X+ 2.31 .76575X+ 3.31 .802X— .766X+ 3.50	0 — 51.28 51.29— 92.31 92.32—136.75	.96375X .78375X+ 9.23 .82X+ 5.88
January 1964—December 1964	0 — 17.31 17.32— 26.92 26.93— 36.54 36.55— 46.15 46.16— 55.77 55.78— 57.69 57.70— 92.31 92.32— 98.28 98.29—141.02 141.03—183.77	.96375X .80375X+ 2.77 .79875X+ 2.90 .78875X+ 3.27 .78375X+ 3.50 .76375X+ 4.62 .78375X+ 3.46 .82X+ .12 .7885X+ 3.21 .757X+ 7.65	0 — 57.69 57.70— 76.92 76.93— 92.31 92.32— 96.15 96.16—115.38 115.39—136.75 136.76—192.31	.96375X .80375X+ 9.23 .79875X+ 9.62 .835X+ 6.27 .825X+ 7.23 .838X+ 5.73 .82X+ 8.19
January 1965—December 1965	0 — 17.31 17.32— 26.92 26.93— 36.54 36.55— 46.15 46.16— 55.77 55.78— 57.69 57.70— 92.31 92.32— 98.28 98.29—141.02 141.03—183.77	.96375X .82375X+ 2.42 .81375X+ 2.69 .80375X+ 3.06 .79375X+ 3.52 .77375X+ 4.64 .79275X+ 3.54 .829X+ 0.19 .802X+ 2.84 .775X+ 6.65	0 — 57.69 57.70— 76.92 76.93— 92.31 92.32— 96.15 96.16—115.38 115.39—136.75 136.76—192.31	.96375X .82375X+ 8.08 .81375X+ 8.85 .85X+ 5.50 .84X+ 6.45 .847X+ 5.65 .829X+ 8.11
January—December 1966	0 — 17.31 17.32— 26.92 26.93— 36.54 36.55— 46.15 46.16— 55.77 55.78— 57.69 57.70— 98.28 98.29—126.92 126.93—141.02 141.03—183.77	.958X .818X+ 2.42 .808X+ 2.69 .798X+ 3.06 .788X+ 3.52 .768X+ 4.64 .787X+ 3.54 .76X+ 6.19 .802X+ .86 .775X+ 4.67	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—126.92 126.93—136.75 136.76—192.31	.958X .818X+ 8.08 .808X+ 8.85 .798X+ 9.80 .805X+ 9.00 .847X+ 3.67 .829X+ 6.13
January 1967—December 1967	0 — 17.31 17.32— 26.92 26.93— 36.54 36.55— 46.15 46.16— 55.77 55.78— 57.69 57.70— 98.28 98.29—126.92 126.93—141.02 141.03—183.77 183.78—192.31 192.32—223.07	.956X .816X+ 2.42 .806X+ 2.69 .796X+ 3.06 .786X+ 3.52 .766X+ 4.64 .785X+ 3.54 .758X+ 6.19 .802X+ .61 .775X+ 4.42 .748X+ 9.38 .720X+ 14.76	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—126.92 126.93—136.75 136.76—192.31 192.32—219.23	.956X .816X+ 8.08 .806X+ 8.85 .796X+ 9.80 .803X+ 9.00 .847X+ 3.42 .829X+ 5.88 .810X+ 9.54

See footnotes at end of table.

Spensible Average Weekly Earnings Formulas, 1939-77—Continued

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
January 1968—March 1968	0 — 17.31 17.32—26.92 26.93—36.54 36.55—46.15 46.16—55.77 55.78—57.69 57.70—98.28 98.29—141.02 141.03—150.00 150.01—183.77 183.78—192.31 192.32—223.07 223.08—261.54	.956X .816X+ 2.42 .806X+ 2.69 .796X+ 3.06 .786X+ 3.52 .766X+ 4.64 .785X+ 3.54 .758X+ 6.19 .731X+10.00 .775X+ 3.40 .748X+ 8.36 .720X+13.74 .680X+22.67	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—136.75 136.76—150.00 150.01—192.31 192.32—219.23 219.24—296.15	.956X .816X+ 8.08 .806X+ 8.85 .796X+ 9.80 .803X+ 9.00 .785X+11.46 .829X+ 4.86 .810X+ 8.52 .780X+15.09
April 1968—December 1968	0 — 17.31 17.32—26.92 26.93—36.54 36.55—46.15 46.16—53.56 53.57—55.77 55.78—57.69 57.70—98.28 98.29—141.02 141.03—150.00 150.01—183.77 183.78—192.31 192.32—223.07 223.08—261.54	.956X .816X+ 2.42 .806X+ 2.69 .764X+ 4.23 .752X+ 4.78 .769X+ 3.87 .747X+ 5.10 .7679X+ 3.89 .7382X+ 6.81 .7085X+11.00 .7525X+ 4.40 .7228X+ 9.85 .692X+15.77 .648X+25.59	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—131.71 131.72—136.75 136.76—150.00 150.01—192.31 192.32—219.23 219.24—296.15	.956X .816X+ 8.08 .806X+ 8.85 .764X+12.89 .7724X+11.92 .7877X+ 9.90 .7679X+12.60 .8119X+ 6.00 .791X+10.02 .758X+17.26
1968 annual average ¹	0 — 17.31 17.32—26.92 26.93—36.54 36.55—46.15 46.16—53.56 53.57—55.77 55.78—57.69 57.70—98.28 98.29—141.02 141.03—150.00 150.01—183.77 183.78—192.31 192.32—223.07 223.08—261.54	.956X .816X+ 2.42 .806X+ 2.69 .772X+ 3.94 .7605X+ 4.47 .7733X+ 3.78 .7518X+ 4.99 .7722X+ 3.81 .7432X+ 6.65 .7141X+10.75 .7581X+ 4.15 .7291X+ 9.49 .699X+15.27 .656X+24.87	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—131.71 131.72—136.75 136.76—150.00 150.01—192.31 192.32—219.23 219.24—296.15	.956X .816X+ 8.08 .806X+ 8.85 .772X+12.11 .780X+11.19 .7915X+ 9.68 .7722X+12.32 .8162X+ 5.72 .7958X+ 9.66 .7635X+16.72
January 1969—December 1969	0 — 17.31 17.32—26.92 26.93—36.54 36.55—46.15 46.16—53.56 53.57—55.77 55.78—57.69 57.70—98.28 98.29—141.02 141.03—150.00 150.01—183.77 183.78—192.31 192.32—223.07 223.08—261.54	.952X .812X+ 2.42 .802X+ 2.69 .760X+ 4.23 .748X+ 4.78 .765X+ 3.87 .743X+ 5.10 .7639X+ 3.89 .7342X+ 6.81 .7045X+11.00 .7525X+ 3.80 .7228X+ 9.26 .692X+15.17 .648X+25.00	0 — 57.69 57.70— 76.92 76.93— 96.15 96.16—115.38 115.39—131.71 131.72—136.75 136.76—150.00 150.01—192.31 192.32—219.23 219.24—296.15	.952X .812X+ 8.08 .802X+ 8.85 .760X+12.89 .7684X+11.92 .7837X+ 9.90 .7639X+12.61 .8119X+ 5.41 .791X+ 9.43 .758X+16.66
January 1970—December 1970	0 — 33.17 33.18—39.59 39.60—46.00 46.01—52.40 52.41—57.31 57.32—58.82 58.83—62.88 62.89—98.82 98.83—141.56 141.57—150.00 150.01—184.28 184.29—192.31 192.32—223.56 223.57—262.02	.952X .742X+ 6.97 .727X+ 7.56 .700X+ 8.80 .6842X+ 9.62 .6906X+ 9.26 .6599X+11.07 .7767X+ 3.72 .749X+ 6.46 .7214X+10.38 .7694X+ 3.18 .7417X+ 8.27 .713X+13.79 .672X+22.96	0 — 69.23 69.24— 82.06 82.07— 88.46 88.47— 98.08 98.09—115.38 115.39—117.50 117.51—133.85 133.86—138.87 138.88—150.00 150.01—192.31 192.32—221.15 221.16—298.08	.952X .742X+14.54 .727X+15.77 .802X+ 9.14 .784X+10.90 .801X+ 8.96 .7913X+10.08 .7952X+ 9.56 .7767X+12.12 .8247X+ 4.92 .8052X+ 8.67 .7745X+15.47

See footnotes at end of table.

Spensible Average Weekly Earnings Formulas, 1939-77—Continued

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
January 1971—December 1971	0 — 33.17 33.18— 42.79 42.80— 52.40 52.41— 62.02 62.03— 71.63 71.64—110.10 110.11—148.56 148.57—150.00 150.01—155.33 155.34—191.75 191.76—221.88 221.89—234.13 234.14—272.60	.948X .808X+ 4.64 .798X+ 5.07 .788X+ 5.59 .778X+ 6.21 .758X+ 7.65 .738X+ 9.85 .708X+14.30 .76X+ 6.50 .7912X+ 1.66 .7825X+ 3.33 .75X+10.54 .73X+15.23	0 — 72.12 72.13— 91.35 91.36—110.58 110.59—129.81 129.82—149.04 149.05—150.00 150.01—155.33 155.34—221.89 221.90—234.62 234.63—311.54	.948X .808X+10.10 .798X+11.01 .788X+12.11 .778X+13.42 .758X+16.40 .81X+ 8.60 8347X+ 4.76 .81X+10.24 .78X+17.28
January 1972—December 1972	0 — 39.42 39.43— 49.04 49.05— 58.65 58.66— 68.27 68.28— 77.88 77.89—116.35 116.36—154.81 154.82—166.67 166.68—173.08 173.09—197.96 197.97—243.21 243.22—256.40 256.41—283.65	.948X .808X+ 5.52 .798X+ 6.01 .788X+ 6.59 .778X+ 7.28 .758X+ 8.84 .738X+11.16 .708X+15.80 .744X+ 9.80 .796X+ .80 .7875X+ 2.49 .7705X+ 6.63 .73X+17.01	0 — 82.69 82.70—101.92 101.93—121.15 121.16—140.38 140.39—159.62 159.63—166.67 166.68—173.01 173.02—248.87 248.88—256.40 256.41—326.92	.948X .808X+11.58 .798X+12.60 .788X+13.80 .778X+15.21 .758X+18.41 .7865X+13.66 8385X+ 4.66 .813X+11.00 .78X+19.46
January 1973—December 1973	0 — 39.42 39.43— 49.04 49.05— 58.65 58.66— 68.27 68.28— 77.88 77.89—116.35 116.36—154.81 154.82—166.67 166.68—197.96 197.97—207.69 207.70—243.21 243.22—256.40 256.41—283.65	.9415X .8015X+ 5.52 .7915X+ 6.01 .7815X+ 6.59 .7715X+ 7.28 .7515X+ 8.84 .7315X+11.16 .7015X+15.80 .7375X+ 9.80 .729X+11.49 .7875X— .66 .7705X+ 3.48 .73X+13.86	0 — 82.69 82.70—101.92 101.93—121.15 121.16—140.38 140.39—159.62 159.63—166.67 166.68—207.69 207.70—248.87 248.88—256.40 256.41—326.92	.9415X .8015X+11.58 .7915X+12.60 .7815X+13.80 .7715X+15.21 .7515X+18.41 .78X+13.66 8385X+ 1.51 .813X+ 7.85 .78X+16.31
January 1974—December 1974	0 — 39.42 39.43— 49.04 49.05— 58.65 58.66— 68.27 68.28— 77.88 77.89—116.35 116.36—154.81 154.82—166.67 166.68—197.96 197.97—243.21 243.22—253.85 253.86—256.40 256.41—283.65 283.66—322.12 322.13—360.58	.9415X .8015X+ 5.52 .7915X+ 6.01 .7815X+ 6.59 .7715X+ 7.28 .7515X+ 8.84 .7315X+11.16 .7015X+15.80 .7375X+ 9.80 .729X+11.49 .712X+15.63 .7705X+ .78 .73X+11.16 .71X+16.83 .69X+23.27	0 — 82.69 82.70—101.92 101.93—121.15 121.16—140.38 140.39—159.62 159.63—166.67 166.68—248.87 248.88—253.85 253.86—256.40 256.41—326.92 326.93—403.85	.9415X .8015X+11.58 .7915X+12.60 .7815X+13.80 .7715X+15.21 .7515X+18.41 .78X+13.66 .7545X+20.00 .813X+ 5.15 .78X+13.61 .75X+23.42
January 1975—April 1975	0 — 39.42 39.43— 49.04 49.05— 58.65 58.66— 68.27 68.28— 77.88 77.89—116.35 116.36—154.81 154.82—166.67 166.68—197.96 197.97—243.21 243.22—256.40 256.41—271.15 271.16—283.65 283.66—322.12 322.13—360.58 360.59—399.04	.9415X .8015X+ 5.52 .7915X+ 6.01 .7815X+ 6.59 .7715X+ 7.28 .7515X+ 8.84 .7315X+11.16 .7015X+15.80 .7375X+ 9.80 .729X+11.49 .712X+15.63 6715X+26.01 .73X+10.15 .71X+15.82 .69X+22.26 .66X+33.08	0 — 82.69 82.70—101.92 101.93—121.15 121.16—140.38 140.39—159.62 159.63—166.67 166.68—248.87 248.88—256.40 256.41—271.15 271.16—326.92 326.93—403.85	.9415X .8015X+11.58 .7915X+12.60 .7815X+13.80 .7715X+15.21 .7515X+18.41 .78X+13.66 .7545X+20.00 .7215X+28.46 .78X+12.60 .75X+22.41

See footnotes at end of table.

Spensible Average Weekly Earnings Formulas, 1939-77—Continued

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
May 1975—December 1975	0 - 54.52	.9415X	0 -139.06	.9415X
	54.53- 54.81	.8065X+ 7.36	139.07-140.38	.6315X+43.11
	54.82- 58.65	.7915X+ 8.17	140.39-151.92	.6365X+42.41
	58.66- 64.42	.7965X+ 7.88	151.93-153.85	.6215X+44.70
	64.43- 68.27	.7815X+ 8.86	153.86-159.62	.7715X+21.63
	68.28- 74.04	.7865X+ 8.51	159.63-166.67	.7815X+20.03
	74.05- 77.88	.7715X+ 9.62	166.68-171.15	.7673X+22.41
	77.89- 83.65	.7815X+ 8.84	171.16-228.37	.7373X+27.54
	83.66-116.35	.7515X+11.35	228.38-248.87	.7829X+17.13
	116.36-122.12	.7615X+10.19	248.88-251.83	.7956X+13.96
	122.13-154.81	.7315X+13.85	251.84-256.40	.7578X+23.47
	154.82-160.58	.7465X+11.53	256.41-271.15	.7743X+19.24
	160.59-166.67	.7015X+18.76	271.16-312.50	.8328X+ 3.38
	166.68-192.31	.6835X+21.76	312.51-326.92	.78X+19.88
	192.32-197.96	.7411X+10.67	326.93-338.46	.795X+14.97
	197.97-200.32	.7454X+ 9.83	338.47-403.85	.75X+30.21
	200.33-243.21	.7328X+12.36	403.86-415.38	.765X+24.15
	243.22-246.11	.7413X+10.29		
	246.12-256.40	.7161X+16.50		
	256.41-271.15	.7363X+11.31		
	271.16-276.44	.7948X- 4.55		
	276.45-283.65	.73X+13.36		
	283.66-289.42	.74X+10.53		
	289.43-322.12	.71X+19.20		
	322.13-327.88	.72X+15.98		
	327.89-360.58	.69X+25.82		
	360.59-366.35	.705X+20.41		
	366.36-399.04	.66X+36.91		
	399.05-404.81	.67X+32.92		
1975 annual average ¹	0 - 49.31	.9415X	0 -128.08	.9415X
	49.32- 54.81	.8015X+ 6.91	128.09-132.69	.6915X+32.02
	54.82- 64.42	.7915X+ 7.45	132.70-151.92	.6815X+33.34
	64.43- 74.04	.7815X+ 8.10	151.93-153.85	.6715X+34.87
	74.05- 83.65	.7715X+ 8.84	153.86-171.15	.7715X+19.49
	83.66-122.12	.7515X+10.51	171.16-228.37	.7515X+22.91
	122.13-160.58	.7315X+12.95	228.38-251.83	.7819X+15.97
	160.59-192.31	.7015X+17.77	251.84-271.15	.7567X+22.31
	192.32-200.32	.7399X+10.38	271.16-312.50	.8152X+ 6.45
	200.33-246.11	.7315X+12.07	312.51-338.46	.78X+17.45
	246.12-271.15	.7147X+16.21	338.47-415.38	.75X+27.61
	271.16-276.44	.7732X+ .35		
	276.45-289.42	.73X+12.29		
	289.43-327.88	.71X+18.07		
	327.89-366.35	.69X+24.63		
	366.36-404.81	.66X+35.63		
January 1976- December 1976	0 - 51.92	.9415X	0 -131.92	.9415X
	51.93- 56.73	.8015X+ 7.27	131.93-136.54	.6915X+32.98
	56.74- 66.35	.7915X+ 7.83	136.55-153.85	.6815X+34.34
	66.36- 75.96	.7815X+ 8.50	153.86-155.77	.7815X+18.96
	75.97- 80.77	.7715X+ 9.25	155.78-175.00	.7715X+20.52
	80.78- 85.58	.7915X+ 7.64	175.01-232.69	.7515X+24.02
	85.59-124.04	.7715X+ 9.36	232.70-251.92	.7715X+19.37
	124.05-162.50	.7515X+11.84	251.93-252.40	.7415X+26.92
	162.51-200.96	.7215X+16.71	252.41-274.73	.7735X+18.85
	200.97-204.33	.7115X+18.72	274.74-294.23	.7567X+23.46
	204.34-223.21	.7483X+11.20	294.24-336.54	.8152X+ 6.25
	223.22-246.11	.7315X+14.95	336.55-342.31	.78X+18.10
	246.12-288.46	.7147X+19.09	342.32-419.23	.75X+28.37
	288.47-291.35	.6715X+31.55	419.24-496.15	.72X+40.94
	291.36-294.23	.6515X+37.37	496.16-573.08	.68X+60.79
	294.24-329.81	.71X+20.16	573.09-650.00	.64X+83.71
	329.82-368.27	.69X+26.76	650.01-726.92	.61X+103.21
	368.28-406.73	.66X+37.81		
	406.74-445.19	.64X+45.94		

See footnotes at end of table.

Spendable Average Weekly Earnings Formulas, 1939-77—Continued

Period	Worker with no dependents		Married worker with 3 dependents	
	Gross average weekly earnings	Formula (X = gross average weekly earnings)	Gross average weekly earnings	Formula (X = gross average weekly earnings)
January 1977-December 1977	0 - 51.92	.9415X	0 -131.92	.9415X
	51.93- 56.73	.8015X+ 7.27	131.93-136.54	.6915X+ 32.98
	56.74- 66.35	.7915X+ 7.83	136.55-153.85	.6815X+ 34.34
	66.36- 75.96	.7815X+ 8.50	153.86-155.77	.7815X+ 18.96
	75.97- 80.77	.7715X+ 9.25	155.78-175.00	.7715X+ 20.52
	80.78- 85.58	.7915X+ 7.64	175.01-232.69	.7515X+ 24.02
	85.59-124.04	.7715X+ 9.36	232.70-251.92	.7715X+ 19.37
	124.05-162.50	.7515X+11.84	251.93-252.40	.7415X+ 26.92
	162.51-200.96	.7215X+16.71	252.41-274.73	.7735X+ 18.85
	200.97-204.33	.7115X+18.72	274.74-317.31	.7567X+ 23.46
	204.34-223.21	.7483X+11.20	317.32-336.54	.8152X+ 4.90
	223.22-246.11	.7315X+14.95	336.55-342.31	.78X+ 16.75
	246.12-288.46	.7147X+19.09	342.32-419.23	.75X+ 27.02
	288.47-291.35	.6715X+31.55	419.24-496.15	.72X+ 39.59
	291.36-317.31	.6515X+37.37	496.16-573.08	.68X+ 59.44
	317.32-329.81	.71X+18.81	573.09-650.00	.64X+ 82.36
	329.82-368.27	.69X+25.41	650.01-726.92	.61X+101.86
	368.28-406.73	.66X+36.46		
	406.74-445.19	.64X+44.59		

¹Formulas for computing annual averages take into account the changes during the year in income tax rates.

CHARTS

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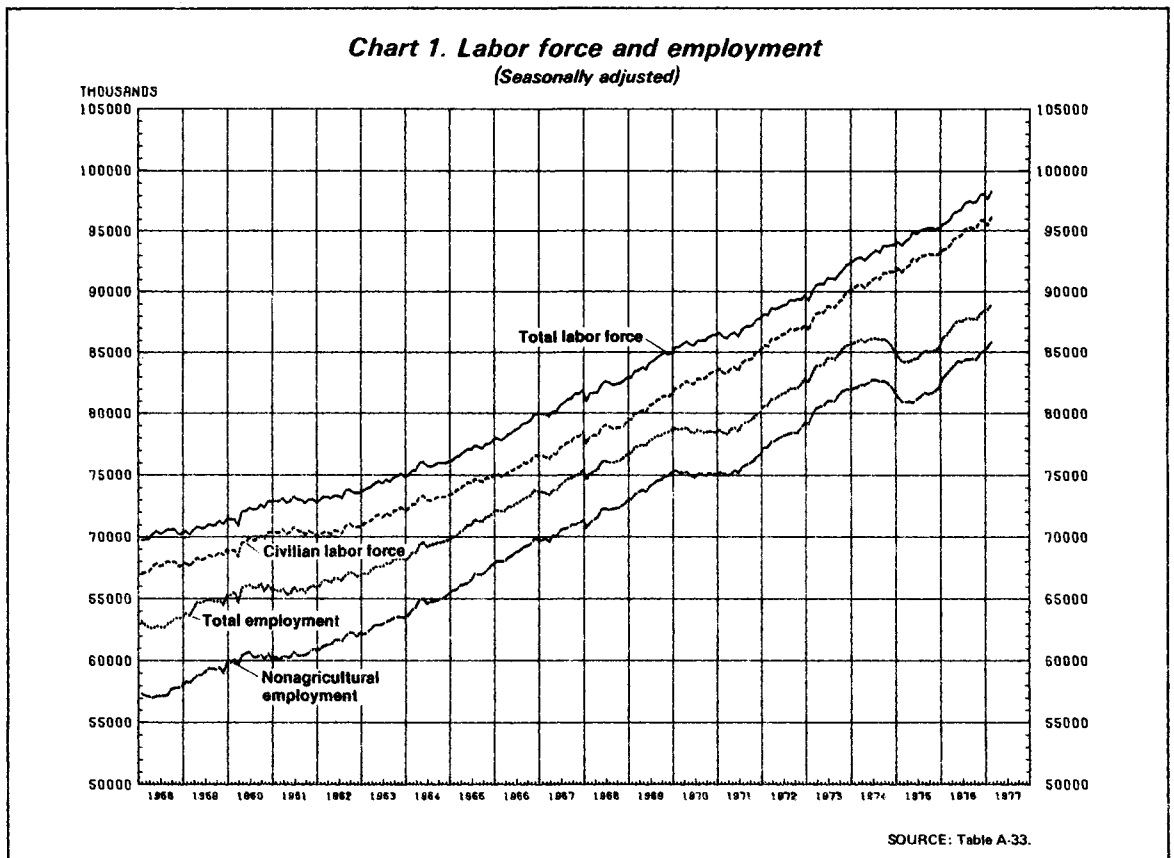
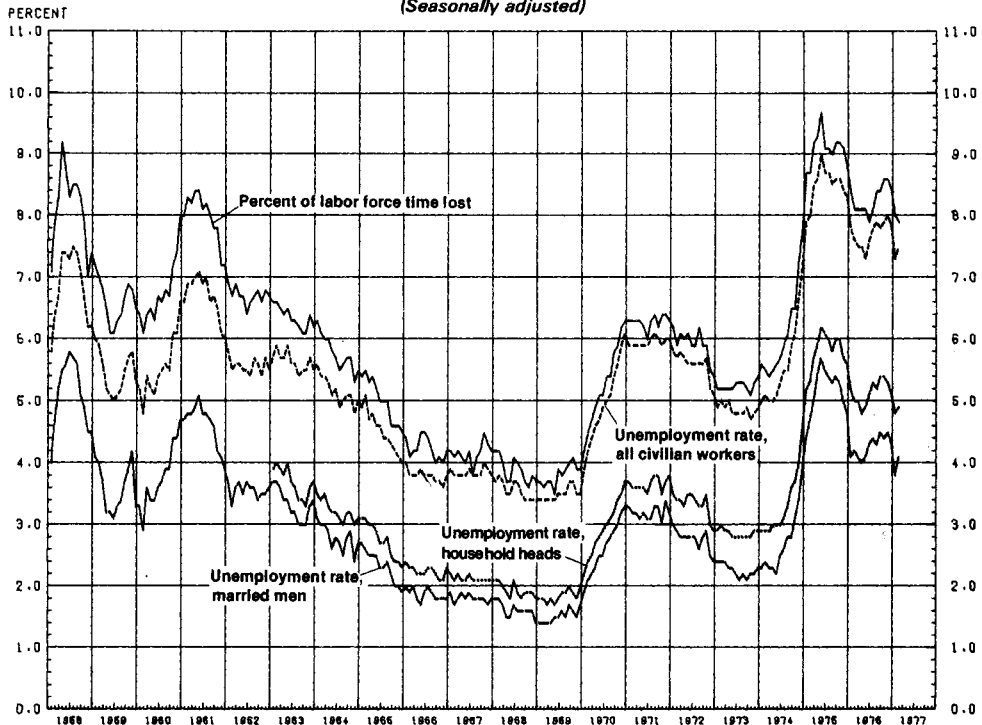
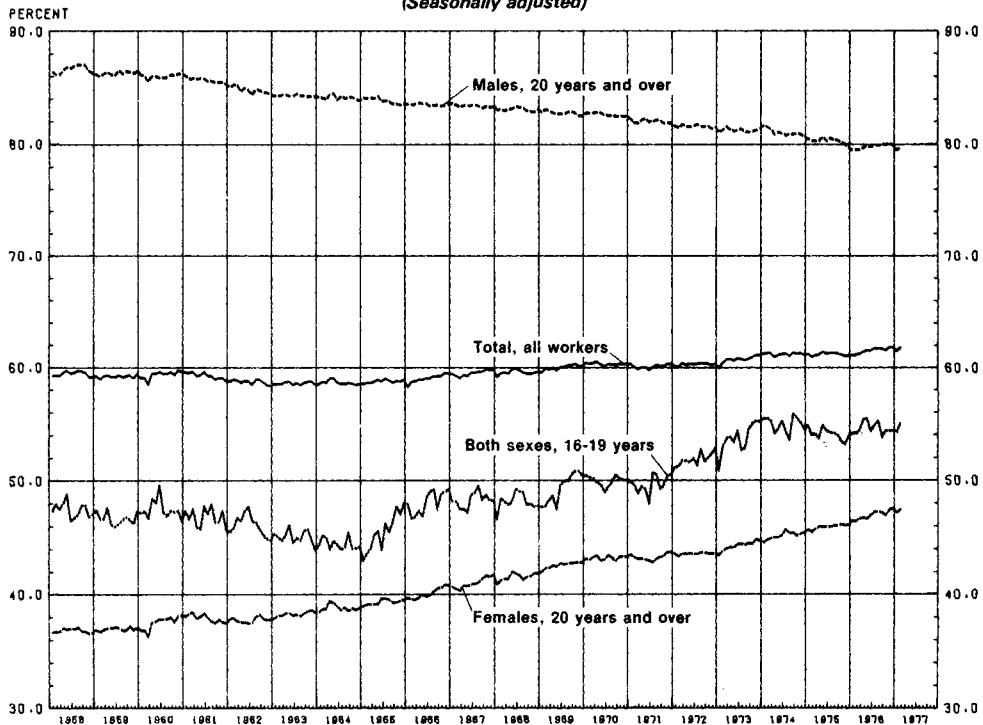


Chart 2. Major unemployment indicators
(Seasonally adjusted)



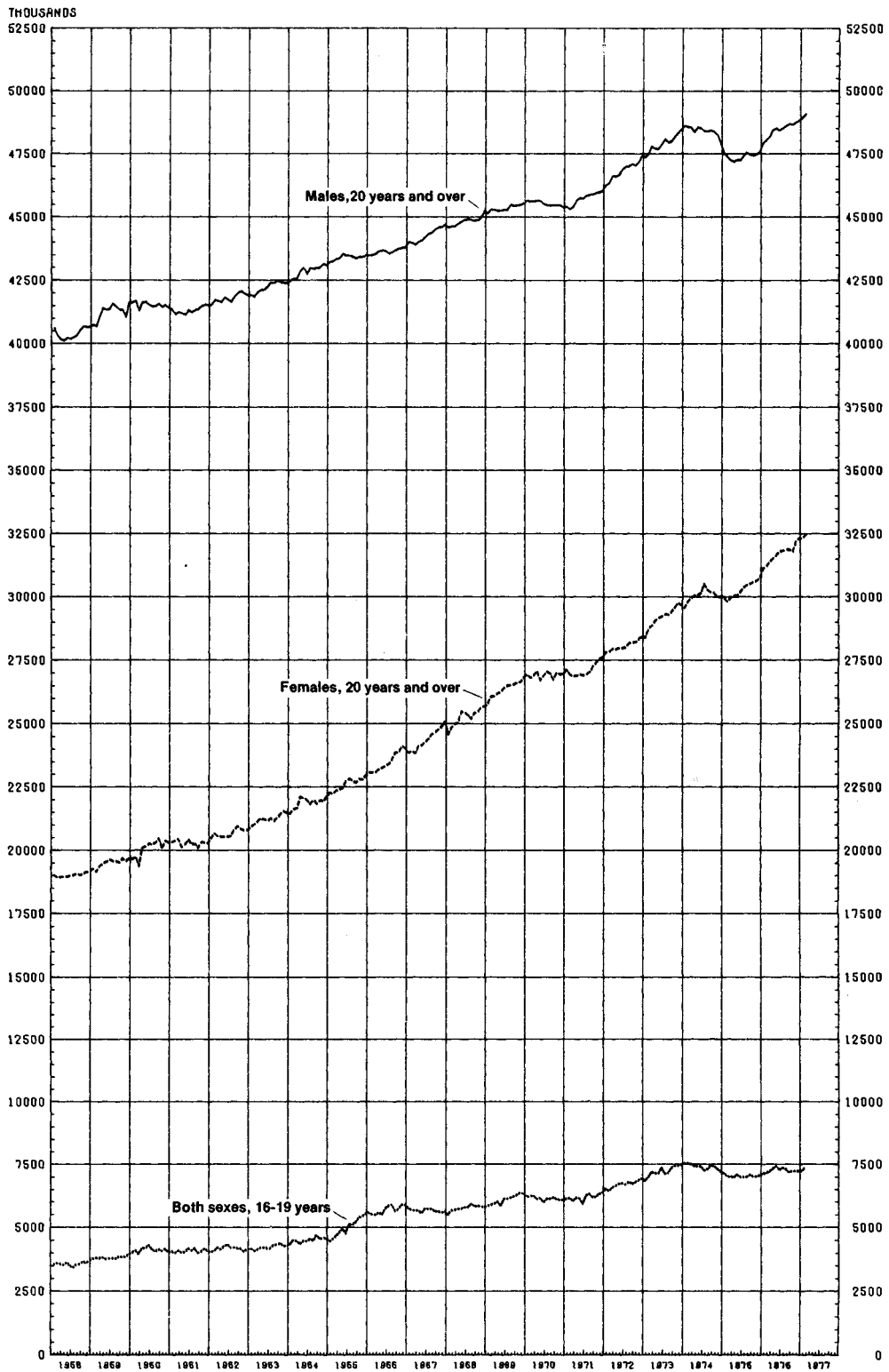
SOURCE: Table A-36.

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



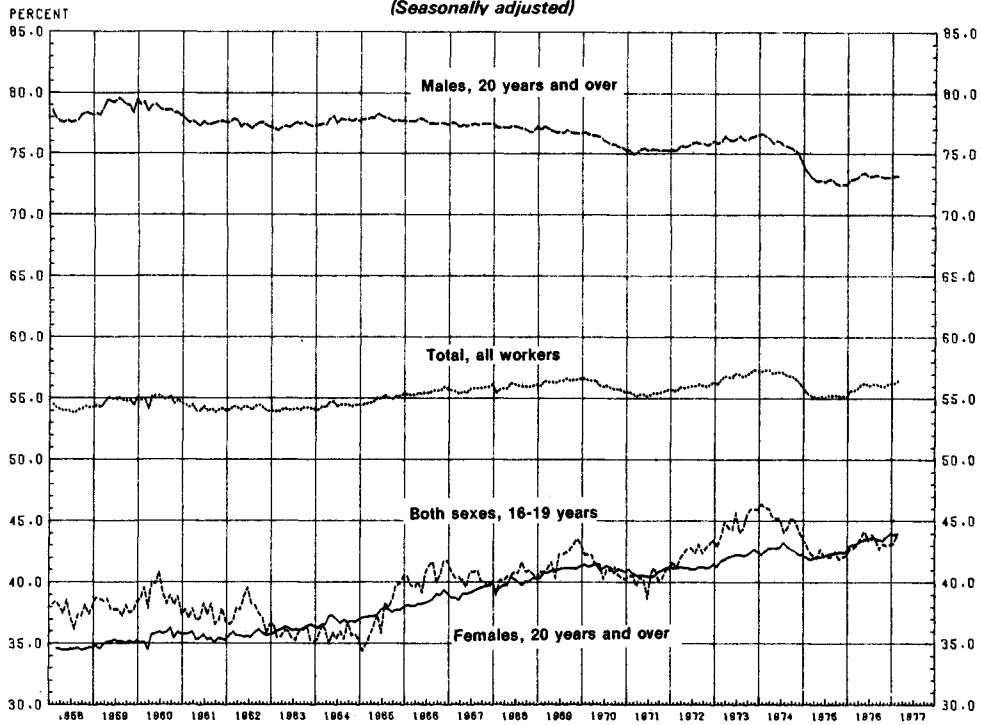
SOURCE: Table A-33.

Chart 4. Total employment by sex and age
(Seasonally adjusted)



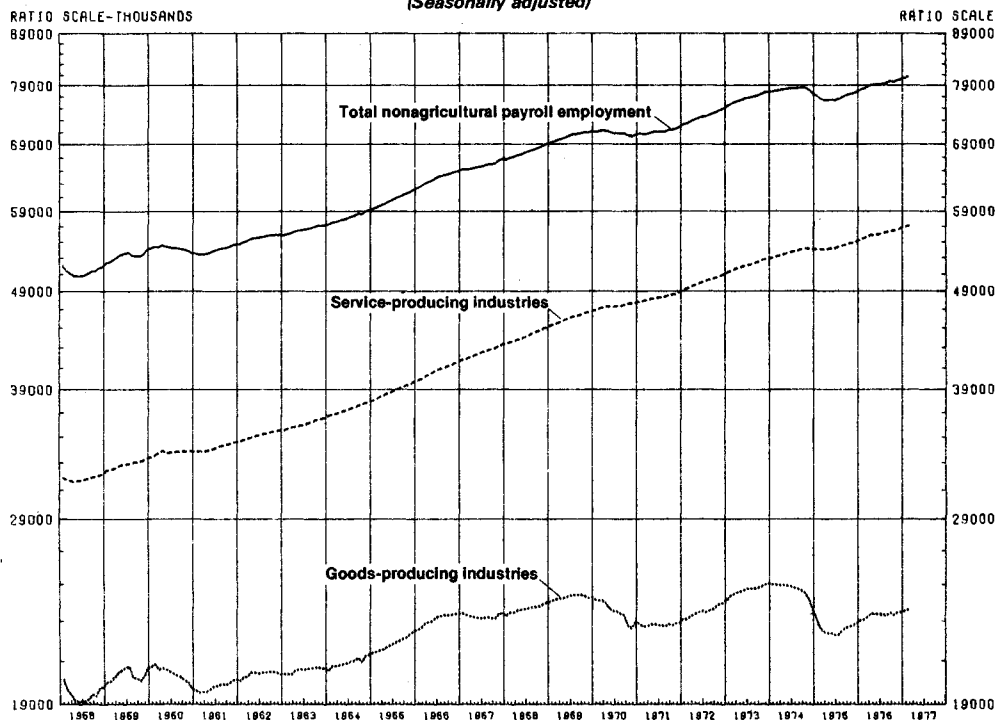
SOURCE: Table A-33.

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)

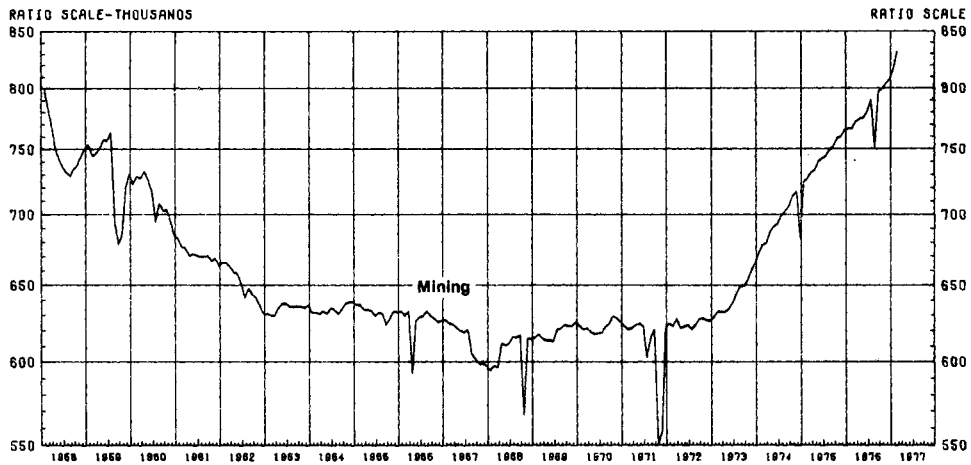
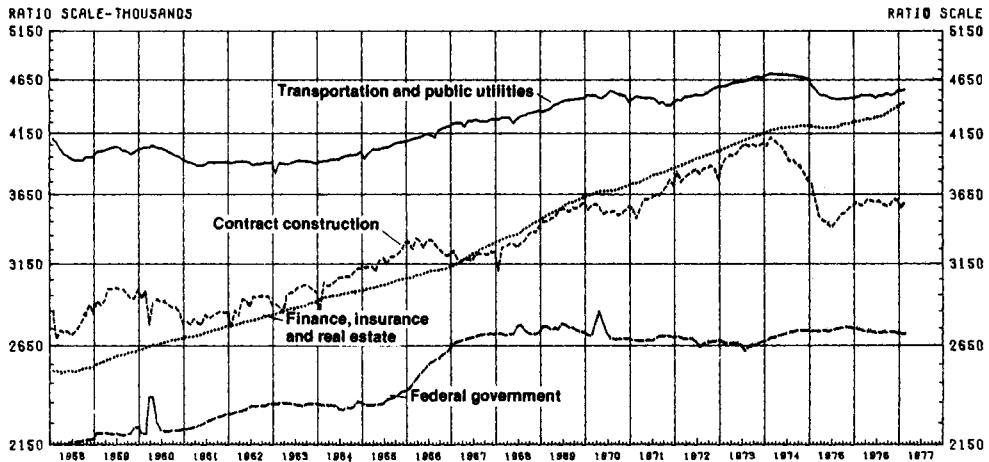
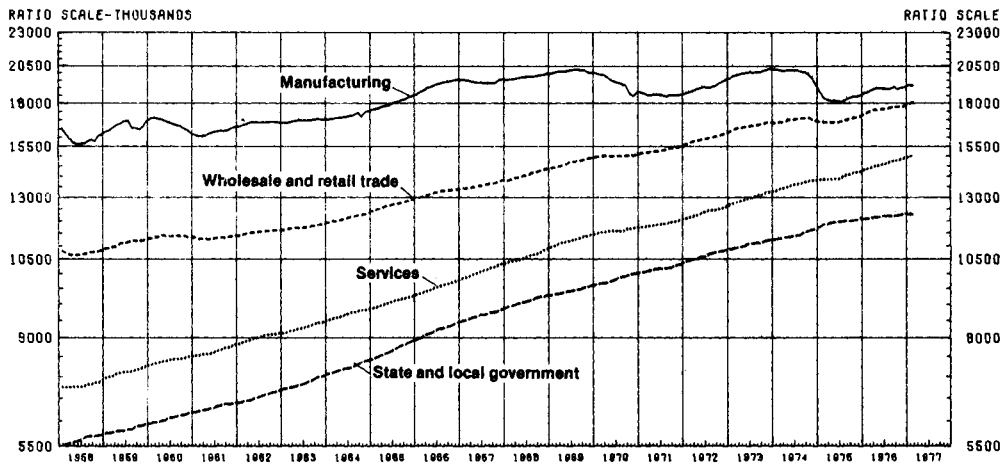


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

Chart 7. Nonagricultural payroll employment by industry

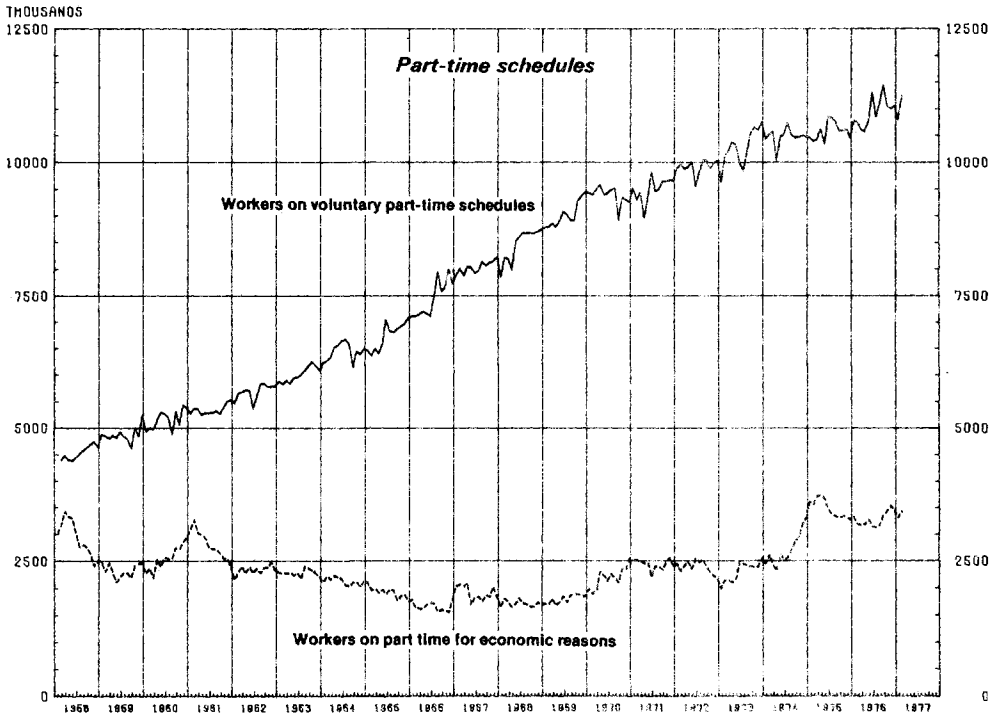
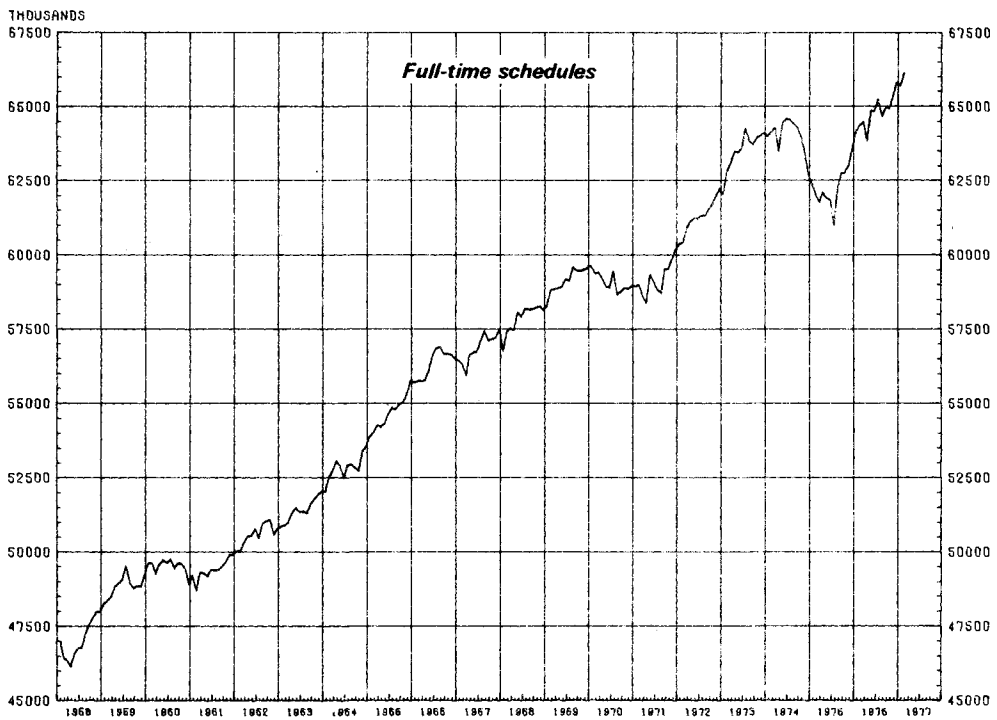
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

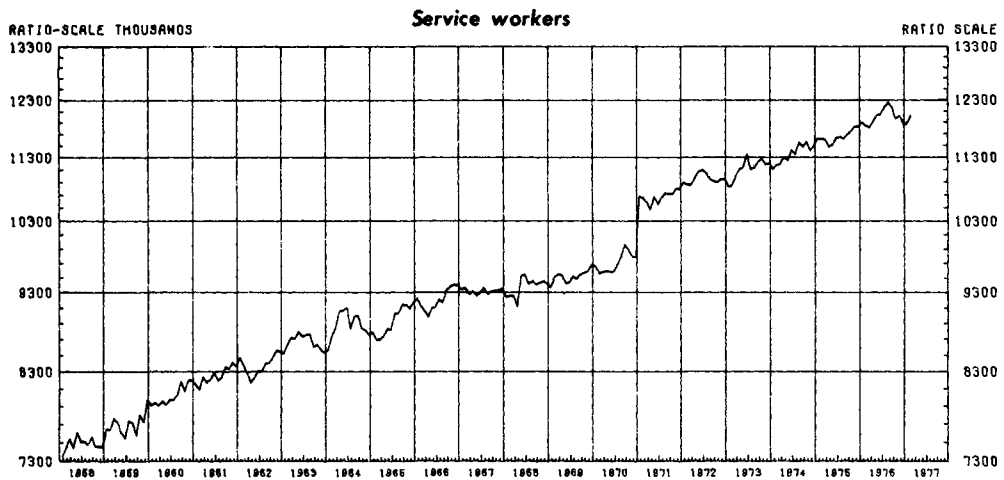
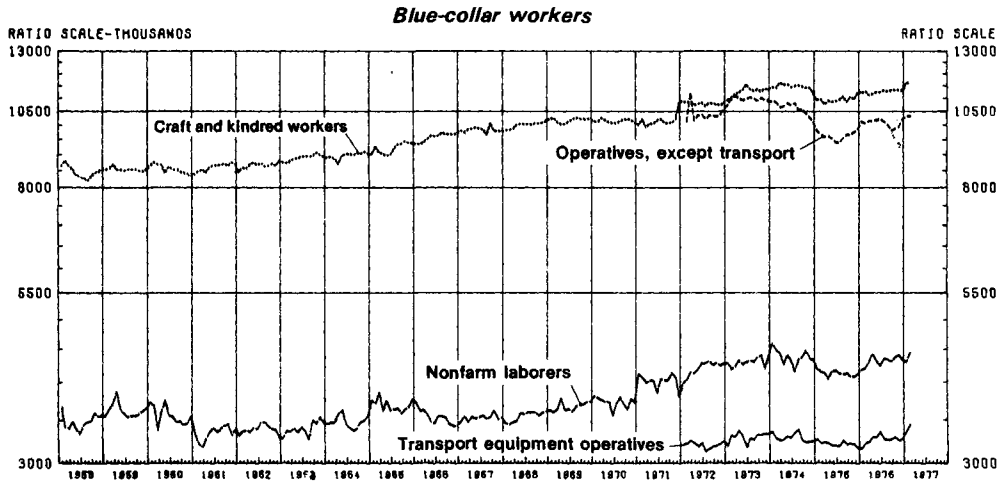
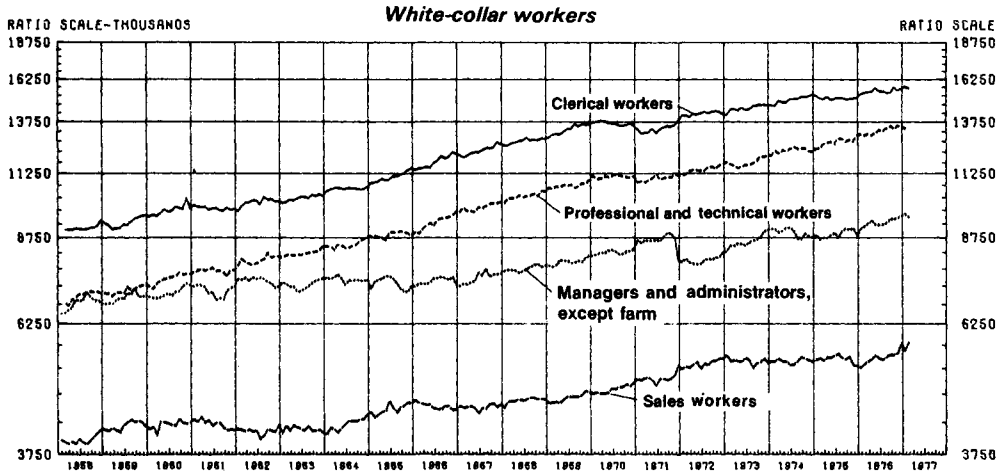
SOURCE: Table B-5.

**Chart 8. Persons at work full and part time
in nonagricultural industries**
(Seasonally adjusted)



SOURCE: Table A-42.

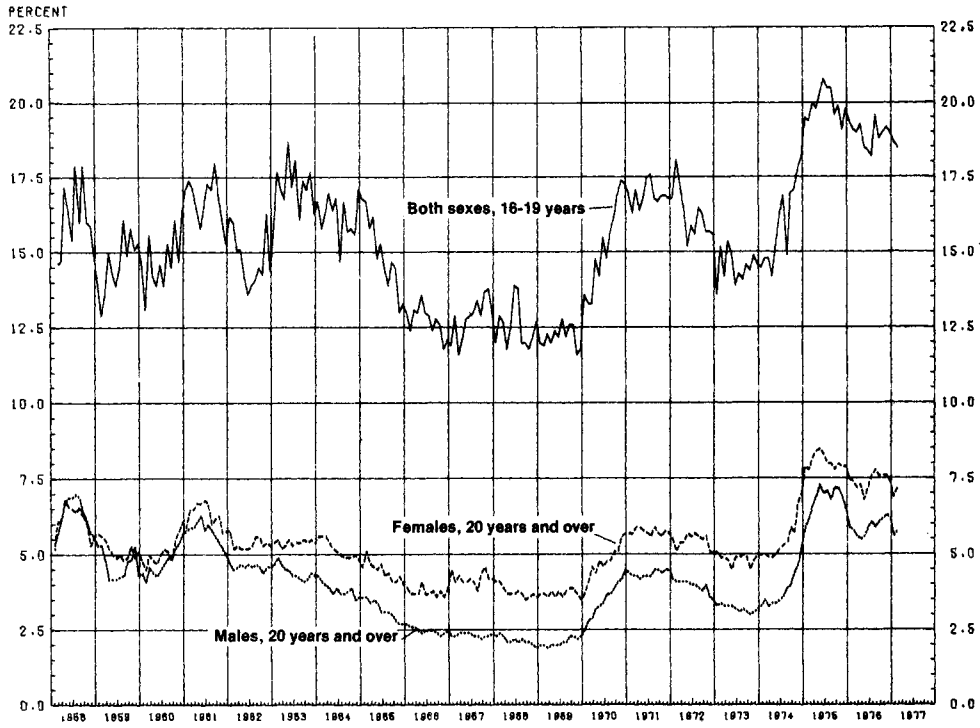
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



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.

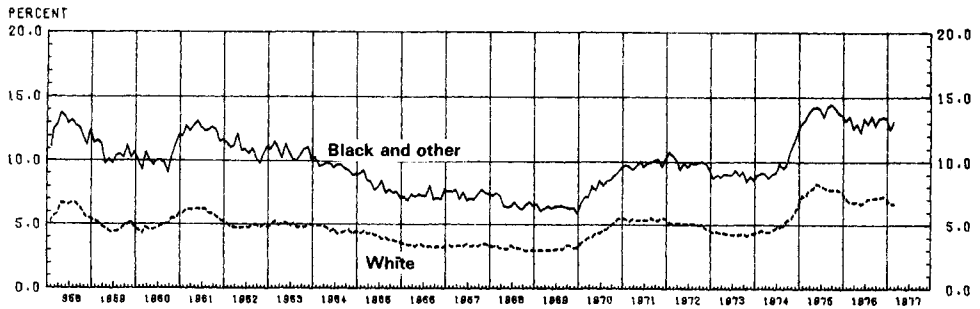
SOURCE: Table A-42.

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

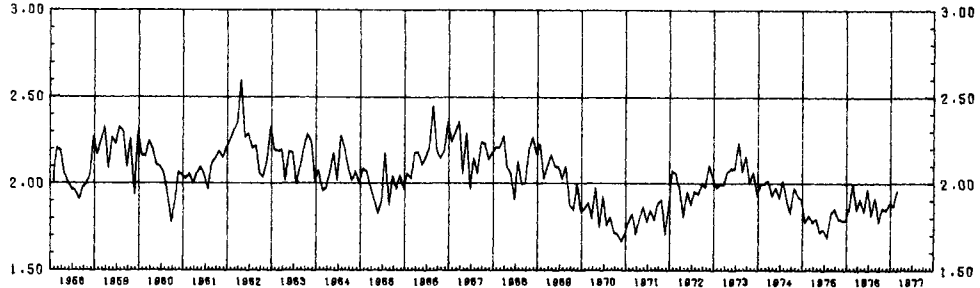


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

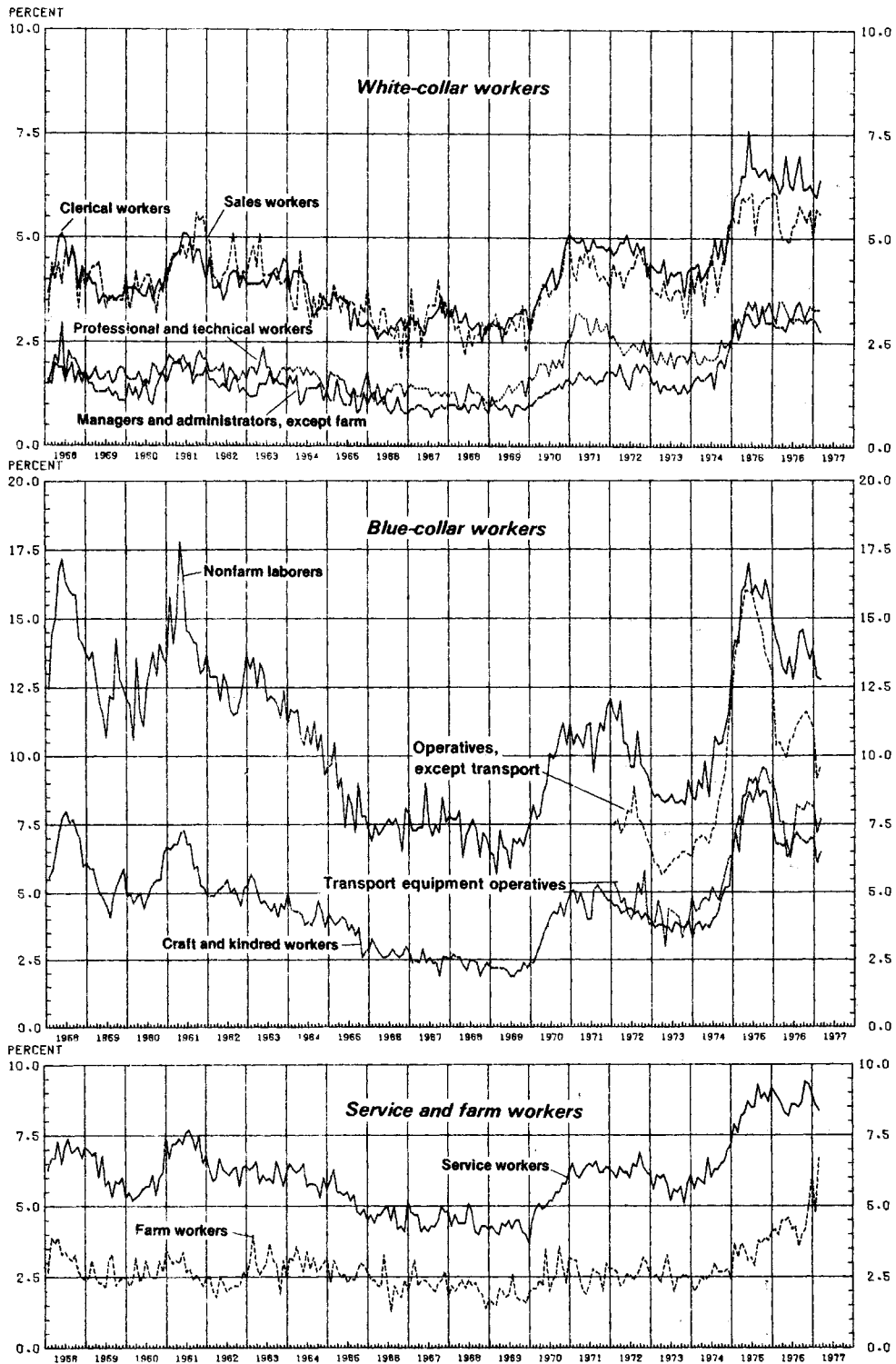


Ratio of black-to-white unemployment rate



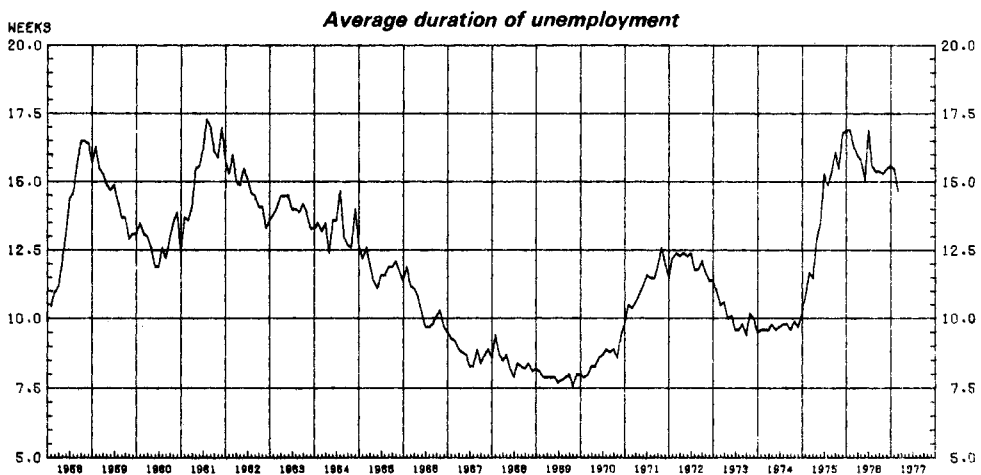
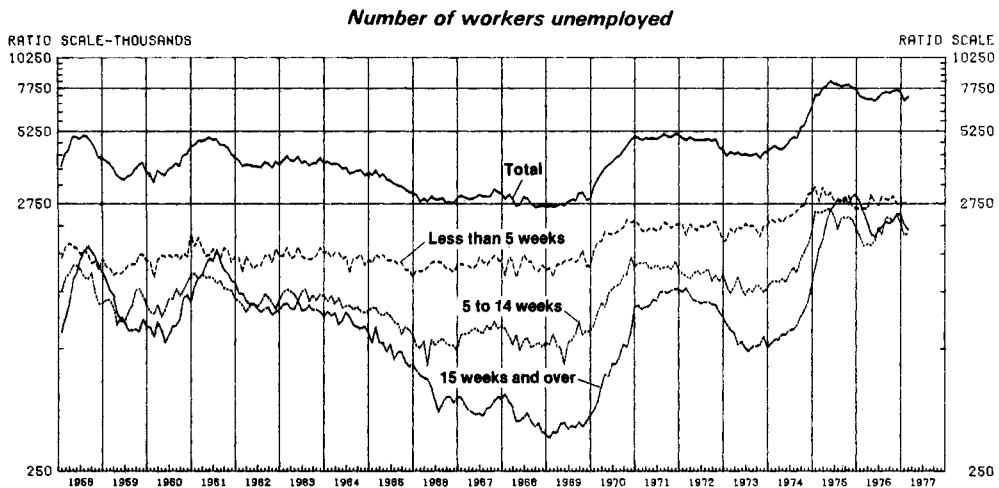
SOURCE: Table A-35.

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



SOURCE: Table A-36.

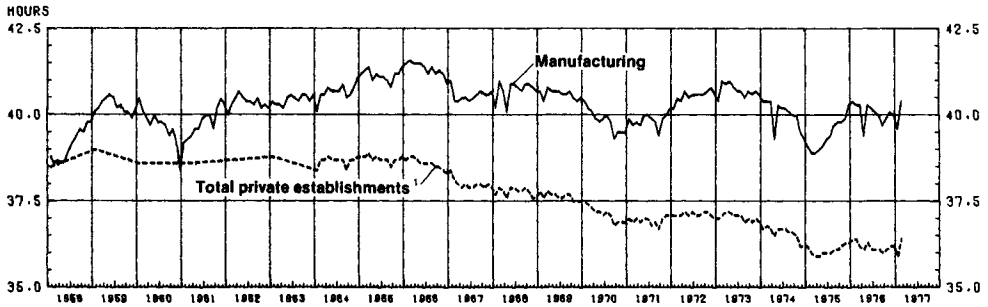
Chart 13. Duration of unemployment
(Seasonally adjusted)



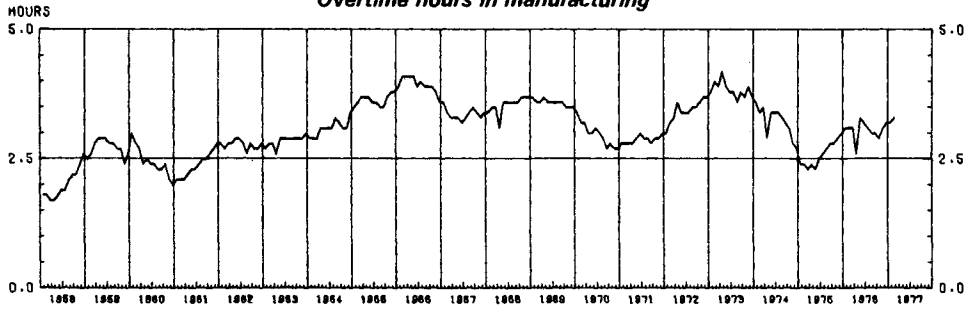
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing



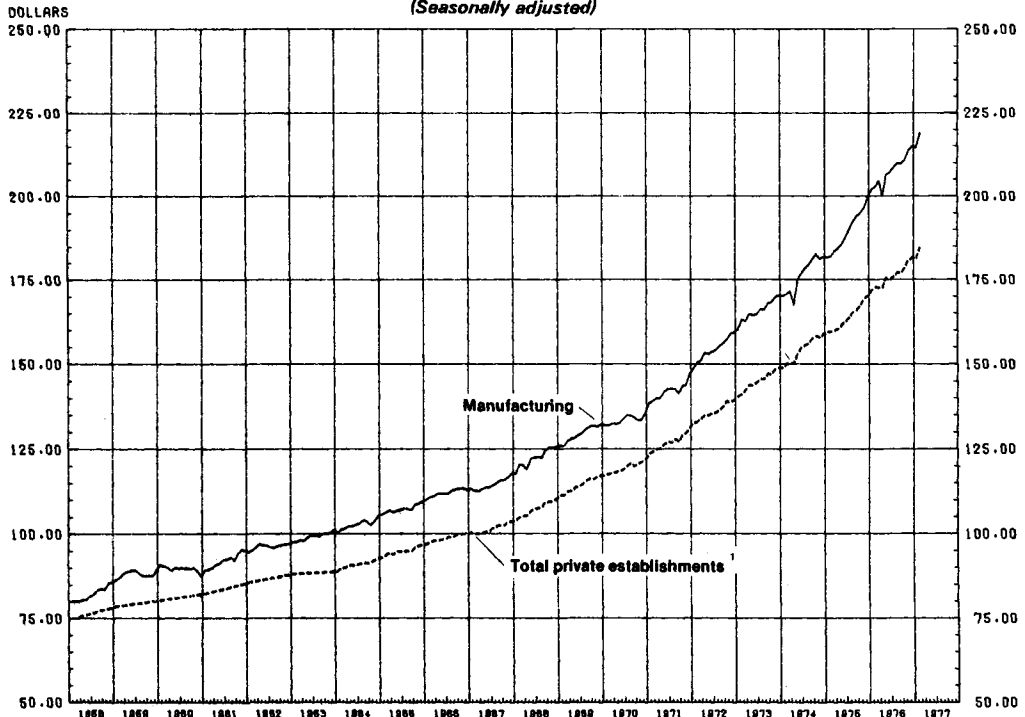
¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

(Seasonally adjusted)

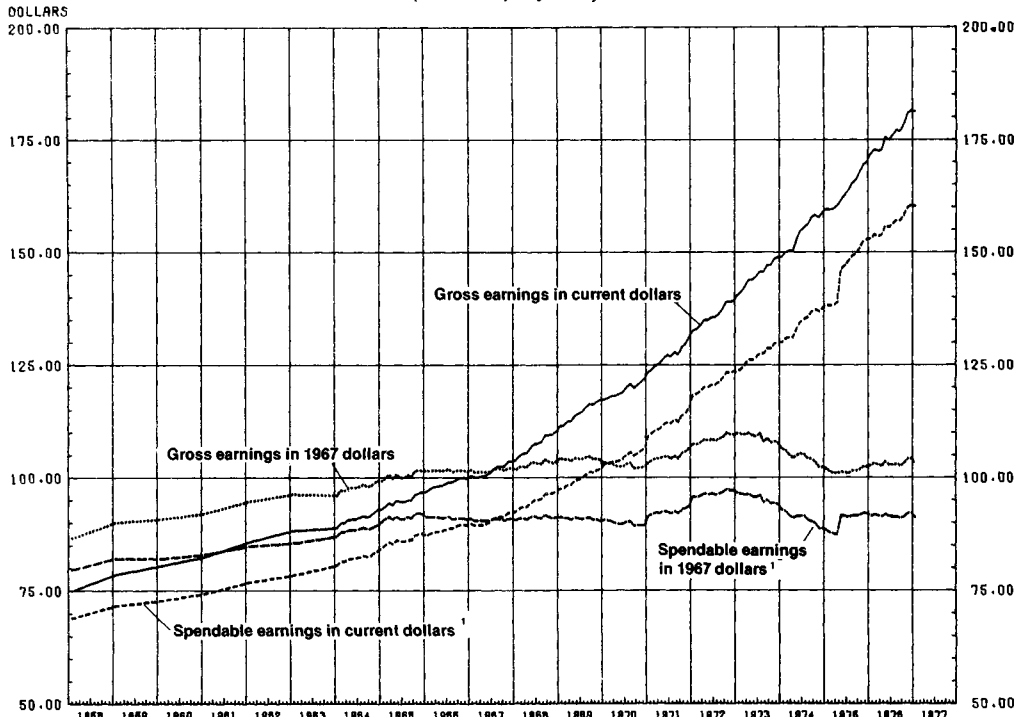


¹ Annual averages prior to 1964.

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)

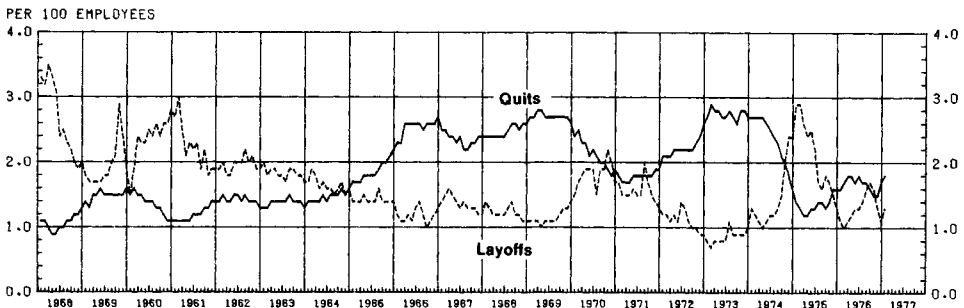
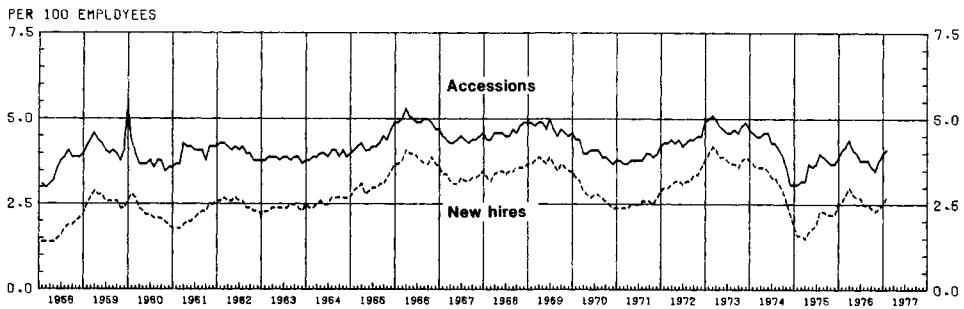


¹ Worker with three dependents.

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

SOURCE: Table C-8.

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, 1929 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	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,090	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	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	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	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 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ²	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	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: February ³	157,584	98,282	62.4	96,145	88,962	3,090	85,872	7,183	7.5	59,302

¹ Not available.

³ Seasonally adjusted, except for population figures.

² Not strictly comparable with prior years due to the introduction of population adjustments in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory notes.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population, 16 years and over by sex, 1947 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
MALES										
1947.....	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948.....	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949.....	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950.....	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952.....	53,248	46,416	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953 ¹	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954.....	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956.....	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960 ¹	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962 ¹	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 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: February ²	75,519	58,976	78.1	56,950	53,046	2,546	50,500	3,904	6.9	16,543
FEMALES										
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948.....	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951.....	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952.....	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953 ¹	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955.....	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956.....	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960 ¹	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 ¹	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
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: February ²	82,065	39,306	47.9	39,195	35,916	544	35,372	3,279	8.4	42,759

¹ See footnote 2, table A-1.

² See footnote 3, table A-1.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	February 1977										
	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	58,357	77.3	56,331	51,659	4,673	8.3	17,161	356	4,978	1,740	10,086
16 to 21 years	8,076	63.7	7,359	5,934	1,425	19.4	4,593	27	4,158	28	380
16 to 19 years	4,734	55.7	4,391	3,467	924	21.0	3,759	24	3,457	19	259
16 to 17 years	1,764	41.6	1,733	1,342	391	22.6	2,473	18	2,329	--	126
18 to 19 years	2,970	69.8	2,659	2,125	533	20.1	1,286	6	1,128	19	133
20 to 64 years	51,824	89.5	50,141	46,527	3,615	7.2	6,077	119	1,521	1,266	3,170
20 to 24 years	8,448	85.6	7,705	6,581	1,124	14.6	1,416	9	1,110	35	261
25 to 54 years	36,378	94.3	35,439	33,326	2,113	6.0	2,197	59	407	672	1,058
25 to 29 years	8,257	94.6	7,879	7,171	708	9.0	472	6	256	48	161
30 to 34 years	7,057	96.6	6,823	6,434	389	5.7	249	6	78	60	105
35 to 39 years	5,647	96.1	5,451	5,176	275	5.0	232	6	25	86	115
40 to 44 years	5,156	95.4	5,063	4,820	243	4.8	247	6	15	94	131
45 to 49 years	5,232	93.7	5,200	4,939	261	5.0	353	12	23	136	182
50 to 54 years	5,029	88.6	5,022	4,785	237	4.7	645	22	10	249	364
55 to 64 years	6,999	74.0	6,997	6,619	378	5.4	2,465	52	5	558	1,850
55 to 59 years	4,287	83.2	4,286	4,076	210	4.9	866	19	5	275	567
60 to 64 years	2,711	62.9	2,711	2,543	168	6.2	1,599	32	--	284	1,283
65 years and over	1,799	19.7	1,799	1,665	133	7.4	7,325	213	--	455	6,658
65 to 69 years	1,043	28.7	1,043	950	93	8.9	2,598	58	--	176	2,363
70 years and over	756	13.8	756	715	40	5.3	4,727	155	--	279	4,294
White											
16 years and over	52,108	78.0	50,434	46,580	3,854	7.6	14,658	288	4,003	1,429	8,938
16 to 21 years	7,156	66.1	6,568	5,425	1,143	17.4	3,667	15	3,341	25	287
16 to 19 years	4,253	58.8	3,968	3,215	753	19.0	2,983	12	2,750	17	203
16 to 17 years	1,625	45.2	1,598	1,249	349	21.8	1,968	9	1,856	--	102
18 to 19 years	2,628	72.1	2,370	1,966	404	17.0	1,015	3	894	17	101
20 to 64 years	46,233	90.1	44,843	41,850	2,993	6.7	5,067	97	1,253	1,040	2,676
20 to 24 years	7,385	86.5	6,790	5,889	901	13.3	1,153	6	931	24	192
25 to 54 years	32,451	94.9	31,659	29,887	1,771	5.6	1,732	47	319	541	824
25 to 29 years	13,602	96.1	13,089	12,175	914	7.0	553	10	267	81	195
35 to 44 years	9,602	96.3	9,357	8,926	431	4.6	372	10	31	149	183
45 to 54 years	9,248	92.0	9,213	8,787	426	4.6	807	28	21	312	446
55 to 64 years	6,395	74.6	6,394	6,074	320	5.0	2,182	43	4	475	1,660
55 to 59 years	3,913	83.9	3,911	3,738	173	4.4	749	16	4	234	495
60 to 64 years	2,483	63.4	2,483	2,335	147	5.9	1,433	28	--	241	1,165
65 years and over	1,622	19.7	1,622	1,514	108	6.7	6,608	179	--	372	6,059
Black and other											
16 years and over	6,250	71.4	5,898	5,079	819	13.9	2,503	68	975	311	1,148
16 to 21 years	920	49.8	791	509	282	35.7	926	12	816	4	94
16 to 19 years	481	38.3	423	252	172	40.5	777	12	707	2	56
16 to 17 years	139	21.6	135	92	42	31.3	505	8	473	--	24
18 to 19 years	342	55.7	288	159	129	44.8	272	4	234	2	32
20 to 64 years	5,592	84.7	5,298	4,676	622	11.7	1,010	22	268	226	494
20 to 24 years	1,062	80.2	914	692	223	24.3	262	3	179	12	69
25 to 54 years	3,926	89.4	3,780	3,439	342	9.0	465	11	88	131	234
25 to 34 years	1,713	91.1	1,613	1,430	183	11.4	167	2	67	27	71
35 to 44 years	1,200	91.8	1,157	1,071	86	7.5	107	3	9	31	63
45 to 54 years	1,014	84.2	1,010	938	72	7.1	191	6	12	73	100
55 to 64 years	603	68.1	603	545	58	9.6	283	8	1	84	190
55 to 59 years	375	76.2	375	337	37	10.0	117	4	1	41	72
60 to 64 years	229	58.0	229	208	20	8.9	165	4	--	43	118
65 years and over	176	19.7	176	151	25	14.3	717	34	1	83	599

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

(Numbers in thousands)

Sex, age, and race	February 1977										
	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	39,120	47.7	39,009	35,573	3,437	8.8	42,945	33,829	4,889	917	3,310
16 to 21 years	6,439	51.9	6,390	5,317	1,074	16.8	5,979	1,488	4,207	13	271
16 to 19 years	3,869	46.5	3,850	3,138	712	18.5	4,450	734	3,512	10	195
16 to 17 years	1,548	37.7	1,547	1,233	314	20.3	2,563	173	2,308	--	82
18 to 19 years	2,321	55.1	2,303	1,905	397	17.3	1,887	561	1,204	9	113
20 to 64 years	34,176	56.2	34,084	31,415	2,669	7.8	26,624	23,369	1,368	392	1,494
20 to 24 years	6,402	65.0	6,341	5,542	799	12.6	3,446	2,283	984	17	162
25 to 54 years	23,406	58.0	23,375	21,740	1,635	7.0	16,958	15,599	376	196	788
25 to 29 years	5,403	60.8	5,381	4,878	503	9.4	3,490	3,157	168	19	147
30 to 34 years	4,281	57.0	4,276	3,942	334	7.8	3,228	3,005	86	21	116
35 to 39 years	3,632	58.6	3,630	3,416	214	5.9	2,568	2,410	54	15	88
40 to 44 years	3,409	59.8	3,408	3,183	225	6.6	2,294	2,117	27	40	109
45 to 49 years	3,387	57.4	3,387	3,204	183	5.4	2,518	2,337	26	28	128
50 to 54 years	3,294	53.5	3,294	3,117	177	5.4	2,861	2,572	15	74	200
55 to 64 years	4,368	41.3	4,368	4,134	234	5.4	6,220	5,489	9	178	544
55 to 59 years	2,718	48.0	2,718	2,577	141	5.2	2,947	2,627	8	95	216
60 to 64 years	1,650	33.5	1,650	1,556	94	5.7	3,273	2,861	1	84	327
65 years and over	1,075	8.3	1,075	1,019	56	5.2	11,871	9,726	9	515	1,621
65 to 69 years	704	15.3	704	662	42	5.9	3,893	3,375	4	89	426
70 years and over	371	4.4	371	357	15	3.9	7,977	6,351	5	426	1,195
White											
16 years and over	34,025	47.4	33,934	31,214	2,720	8.0	37,784	30,277	3,883	727	2,898
16 to 21 years	5,790	55.1	5,749	4,872	877	15.2	4,725	1,176	3,338	12	199
16 to 19 years	3,525	50.1	3,509	2,913	596	17.0	3,508	592	2,768	9	140
16 to 17 years	1,431	41.3	1,431	1,161	269	18.8	2,032	143	1,833	--	56
18 to 19 years	2,094	58.6	2,078	1,752	326	15.7	1,476	449	935	9	84
20 to 64 years	29,553	55.7	29,478	27,403	2,073	7.0	23,461	20,773	1,110	294	1,285
20 to 24 years	5,558	66.3	5,509	4,907	602	10.9	2,827	1,886	806	15	119
25 to 54 years	20,040	57.1	20,015	18,760	1,256	6.3	15,044	13,923	296	152	673
25 to 29 years	8,163	57.7	8,141	7,560	581	7.1	5,983	5,544	194	30	215
35 to 44 years	6,001	58.3	5,998	5,653	345	5.8	4,286	4,003	67	44	171
45 to 54 years	5,877	55.2	5,876	5,547	329	5.6	4,776	4,376	35	77	287
55 to 64 years	3,954	41.4	3,954	3,738	216	5.5	5,590	4,962	9	127	492
55 to 59 years	2,455	48.2	2,455	2,326	128	5.2	2,641	2,353	8	67	203
60 to 64 years	1,499	33.7	1,499	1,412	88	5.9	2,949	2,600	1	60	289
65 years and over	947	8.1	947	897	51	5.3	10,815	8,913	4	424	1,473
Black and other											
16 years and over	5,096	49.7	5,075	4,359	716	14.1	5,160	3,552	1,006	190	413
16 to 21 years	650	34.1	641	444	197	30.7	1,254	312	869	1	72
16 to 19 years	344	26.8	341	225	116	34.0	942	142	743	1	55
16 to 17 years	117	18.1	117	72	45	38.5	531	30	475	--	26
18 to 19 years	227	35.6	224	153	71	31.7	411	112	268	1	30
20 to 64 years	4,624	59.4	4,606	4,012	594	12.9	3,162	2,598	258	98	209
20 to 24 years	844	57.7	832	635	196	23.6	619	397	178	1	43
25 to 54 years	3,366	63.8	3,361	2,980	381	11.3	1,914	1,674	79	45	115
25 to 34 years	1,521	67.4	1,516	1,261	256	16.9	735	618	60	9	48
35 to 44 years	1,040	64.4	1,039	946	94	9.0	575	524	14	11	26
45 to 54 years	805	57.1	805	774	31	3.8	604	533	5	25	41
55 to 64 years	414	39.7	414	396	18	4.4	630	526	1	52	51
55 to 59 years	263	46.2	263	251	12	4.7	306	265	1	28	13
60 to 64 years	151	31.8	151	145	6	3.8	324	262	--	24	38
65 years and over	128	10.8	128	122	6	4.4	1,056	812	5	91	148

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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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
MALES								
16 years and over	57,207	58,357	77.0	77.3	55,161	56,331	76.4	76.6
16 to 19 years	4,669	4,734	55.1	55.7	4,311	4,391	53.2	53.9
16 to 17 years	1,761	1,764	41.6	41.6	1,732	1,733	41.2	41.2
18 to 19 years	2,907	2,970	68.7	69.8	2,579	2,659	66.0	67.4
20 to 24 years	8,130	8,448	84.0	85.6	7,374	7,705	82.7	84.5
25 to 54 years	35,721	36,378	94.1	94.3	34,790	35,439	94.0	94.2
25 to 34 years	14,733	15,314	95.1	95.5	14,132	14,702	94.9	95.3
35 to 44 years	10,615	10,802	95.6	95.8	10,322	10,514	95.5	95.6
45 to 54 years	10,373	10,261	91.5	91.1	10,336	10,223	91.5	91.1
55 to 64 years	6,891	6,999	74.1	74.0	6,890	6,997	74.0	74.0
55 to 59 years	4,205	4,287	83.7	83.2	4,204	4,286	83.7	83.2
60 to 64 years	2,686	2,711	62.8	62.9	2,686	2,711	62.8	62.9
65 years and over	1,796	1,799	20.2	19.7	1,796	1,799	20.2	19.7
White								
16 years and over	51,195	52,108	77.9	78.0	49,487	50,434	77.3	77.5
16 to 19 years	4,176	4,253	57.9	58.8	3,876	3,968	56.0	57.1
16 to 17 years	1,619	1,625	45.1	45.2	1,593	1,598	44.7	44.8
18 to 19 years	2,557	2,628	70.5	72.1	2,283	2,370	68.1	70.0
20 to 24 years	7,103	7,385	84.7	86.5	6,490	6,790	83.5	85.5
25 to 54 years	31,934	32,451	94.8	94.9	31,141	31,659	94.7	94.8
25 to 34 years	13,104	13,602	95.6	96.1	12,594	13,089	95.5	95.9
35 to 44 years	9,436	9,602	96.0	96.3	9,186	9,357	95.9	96.2
45 to 54 years	9,394	9,248	92.6	92.0	9,361	9,213	92.6	91.9
55 to 64 years	6,344	6,395	75.2	74.6	6,343	6,394	75.2	74.6
55 to 59 years	3,873	3,913	85.1	83.9	3,872	3,911	85.1	83.9
60 to 64 years	2,471	2,483	63.7	63.4	2,471	2,483	63.7	63.4
65 years and over	1,638	1,622	20.4	19.7	1,638	1,622	20.4	19.7
Black and other								
16 years and over	6,013	6,250	70.4	71.4	5,674	5,898	69.2	70.2
16 to 19 years	492	481	39.5	38.3	435	423	36.5	35.3
16 to 17 years	142	139	22.3	21.6	139	135	21.8	21.0
18 to 19 years	350	342	57.6	55.7	296	288	53.4	51.5
20 to 24 years	1,028	1,062	79.8	80.2	883	914	77.3	77.7
25 to 54 years	3,787	3,926	88.8	89.4	3,649	3,780	88.4	89.0
25 to 34 years	1,629	1,713	90.7	91.1	1,538	1,613	90.2	90.6
35 to 44 years	1,179	1,200	92.2	91.8	1,137	1,157	92.0	91.6
45 to 54 years	979	1,014	82.1	84.2	975	1,010	82.0	84.1
55 to 64 years	547	603	62.8	68.1	547	603	62.8	68.1
55 to 59 years	332	375	70.3	76.2	332	375	70.3	76.2
60 to 64 years	215	229	53.9	58.0	215	229	53.9	58.0
65 years and over	159	176	18.4	19.7	159	176	18.4	19.7

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
FEMALES								
16 years and over	37,737	39,120	46.7	47.7	37,637	39,009	46.6	47.6
16 to 19 years	3,745	3,869	45.2	46.5	3,725	3,850	45.1	46.4
16 to 17 years	1,475	1,548	35.9	37.7	1,474	1,547	35.9	37.6
18 to 19 years	2,271	2,321	54.3	55.1	2,251	2,303	54.1	55.0
20 to 24 years	6,105	6,402	63.3	65.0	6,051	6,341	63.1	64.8
25 to 54 years	22,412	23,406	56.4	58.0	22,387	23,375	56.4	58.0
25 to 34 years	8,964	9,684	56.5	59.0	8,943	9,657	56.5	59.0
35 to 44 years	6,791	7,041	58.0	59.2	6,788	7,038	58.0	59.1
45 to 54 years	6,658	6,681	54.7	55.4	6,657	6,680	54.7	55.4
55 to 64 years	4,383	4,368	42.0	41.3	4,383	4,368	42.0	41.3
55 to 59 years	2,672	2,718	48.3	48.0	2,672	2,718	48.3	48.0
60 to 64 years	1,711	1,650	34.9	33.5	1,711	1,650	34.9	33.5
65 years and over	1,091	1,075	8.6	8.3	1,091	1,075	8.6	8.3
White								
16 years and over	32,774	34,025	46.3	47.4	32,690	33,934	46.2	47.3
16 to 19 years	3,364	3,525	47.9	50.1	3,347	3,509	47.8	50.0
16 to 17 years	1,351	1,431	38.9	41.3	1,350	1,431	38.9	41.3
18 to 19 years	2,013	2,094	56.7	58.6	1,997	2,078	56.5	58.5
20 to 24 years	5,345	5,558	64.9	66.3	5,300	5,509	64.7	66.1
25 to 54 years	19,180	20,040	55.4	57.1	19,159	20,015	55.4	57.1
25 to 34 years	7,534	8,163	55.0	57.7	7,516	8,141	54.9	57.6
35 to 44 years	5,811	6,001	57.4	58.3	5,809	5,998	57.4	58.3
45 to 54 years	5,836	5,877	54.2	55.2	5,835	5,876	54.2	55.2
55 to 64 years	3,937	3,954	41.8	41.4	3,937	3,954	41.8	41.4
55 to 59 years	2,397	2,455	48.1	48.2	2,397	2,455	48.1	48.2
60 to 64 years	1,540	1,499	34.8	33.7	1,540	1,499	34.8	33.7
65 years and over	947	947	8.2	8.1	947	947	8.2	8.1
Black and other								
16 years and over	4,963	5,096	49.8	49.7	4,946	5,075	49.7	49.6
16 to 19 years	381	344	30.0	26.8	378	341	29.9	26.6
16 to 17 years	124	117	19.3	18.1	124	117	19.3	18.0
18 to 19 years	257	227	40.9	35.6	254	224	40.7	35.3
20 to 24 years	761	844	53.7	57.7	750	832	53.4	57.3
25 to 54 years	3,232	3,366	63.1	63.8	3,228	3,361	63.1	63.7
25 to 34 years	1,430	1,521	66.3	67.4	1,427	1,516	66.3	67.4
35 to 44 years	979	1,040	62.3	64.4	979	1,039	62.2	64.4
45 to 54 years	822	805	59.1	57.1	822	805	59.1	57.1
55 to 64 years	446	414	43.5	39.7	446	414	43.5	39.7
55 to 59 years	275	263	50.1	46.2	275	263	50.1	46.2
60 to 64 years	171	151	35.9	31.8	171	151	35.9	31.8
65 years and over	144	128	12.7	10.8	144	128	12.7	10.8

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

[Numbers in thousands]

Sex and age	February 1977						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			
Total								
16 years and over	9,456	8,065	189	7,876	1,391	14.7	6,698	
16 to 19 years	655	384	10	374	271	41.4	1,558	
16 to 17 years	209	128	7	121	81	38.7	935	
18 to 19 years	446	255	3	253	190	42.7	623	
20 to 24 years	1,511	1,126	16	1,110	385	25.5	752	
25 to 54 years	6,086	5,445	98	5,347	649	10.5	2,001	
25 to 34 years	2,659	2,257	34	2,223	401	15.1	705	
35 to 44 years	1,871	1,712	30	1,681	159	8.5	599	
45 to 54 years	1,557	1,476	33	1,444	80	5.2	697	
55 to 64 years	920	854	33	821	66	7.2	815	
55 to 59 years	581	527	22	517	43	7.3	376	
60 to 64 years	338	315	10	305	24	7.0	438	
65 years and over	284	256	32	224	28	9.8	1,574	
Males								
16 years and over	5,062	4,331	171	4,159	731	14.5	2,193	
16 to 19 years	358	200	10	190	157	44.0	714	
16 to 17 years	104	68	7	61	36	35.0	462	
18 to 19 years	253	132	3	129	121	47.7	251	
20 to 24 years	795	599	12	587	196	24.6	207	
25 to 54 years	3,214	2,908	88	2,819	306	9.5	398	
25 to 34 years	1,359	1,185	29	1,155	175	12.9	127	
35 to 44 years	990	915	29	886	75	7.6	96	
45 to 54 years	865	809	30	778	57	6.5	175	
55 to 64 years	535	485	31	453	50	9.4	257	
55 to 59 years	337	305	21	284	32	9.5	108	
60 to 64 years	198	180	10	170	18	9.1	149	
65 years and over	161	139	29	109	22	13.8	617	
Females								
16 years and over	4,394	3,734	17	3,717	660	15.0	4,505	
16 to 19 years	297	183	--	184	114	38.3	844	
16 to 17 years	105	60	--	60	44	42.4	473	
18 to 19 years	193	123	--	123	70	36.1	371	
20 to 24 years	717	527	4	523	190	26.5	544	
25 to 54 years	2,871	2,538	10	2,528	335	11.7	1,602	
25 to 34 years	1,300	1,073	5	1,068	227	17.4	578	
35 to 44 years	881	797	2	795	84	9.5	502	
45 to 54 years	691	668	3	665	24	3.4	522	
55 to 64 years	385	369	1	368	16	4.2	558	
55 to 59 years	245	234	1	233	10	4.2	269	
60 to 64 years	140	135	--	135	6	4.1	289	
65 years and over	123	117	3	115	6	4.6	956	

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

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
	TOTAL							
Total noninstitutional population	155,106	157,584	65,821	67,025	72,531	73,746	16,754	16,813
Total labor force	94,944	97,478	52,539	53,623	33,991	35,251	8,414	8,603
Percent of population	61.2	61.9	79.8	80.0	46.9	47.8	50.2	51.2
Civilian labor force	92,798	95,340	50,850	51,940	33,912	35,159	8,035	8,241
Employed	84,764	87,231	47,182	48,192	31,201	32,434	6,381	6,605
Agriculture	2,802	2,709	2,174	2,081	333	379	294	249
Nonagricultural industries	81,963	84,522	45,007	46,111	30,868	32,056	6,087	6,356
Unemployed	8,033	8,109	3,669	3,748	2,711	2,725	1,654	1,636
Percent of labor force	8.7	8.5	7.2	7.2	8.0	7.7	20.6	19.9
Not in labor force	60,163	60,106	13,283	13,402	38,540	38,495	8,340	8,210
White								
Total noninstitutional population	136,603	138,575	58,533	59,530	63,832	64,776	14,238	14,269
Total labor force	83,968	86,132	47,018	47,855	29,409	30,500	7,541	7,778
Percent of population	61.5	62.2	80.3	80.4	46.1	47.1	53.0	54.5
Civilian labor force	82,178	84,368	45,612	46,465	29,344	30,425	7,223	7,477
Employed	75,689	77,793	42,626	43,364	27,204	28,300	5,859	6,129
Agriculture	2,586	2,487	1,984	1,890	319	358	283	239
Nonagricultural industries	73,103	75,307	40,642	41,474	26,885	27,943	5,576	5,889
Unemployed	6,488	6,574	2,985	3,101	2,140	2,124	1,364	1,348
Percent of labor force	7.9	7.8	6.5	6.7	7.3	7.0	18.9	18.0
Not in labor force	52,635	52,442	11,515	11,675	34,423	34,276	6,697	6,491
Black and other								
Total noninstitutional population	18,861	19,009	7,288	7,495	8,699	8,970	2,555	2,544
Total labor force	10,976	11,345	5,520	5,768	4,582	4,752	873	825
Percent of population	59.3	59.7	75.7	77.0	52.7	53.0	34.7	32.4
Civilian labor force	10,620	10,973	5,239	5,474	4,568	4,734	813	764
Employed	9,075	9,438	4,555	4,827	3,997	4,134	522	477
Agriculture	215	222	190	191	14	21	11	10
Nonagricultural industries	8,859	9,216	4,365	4,636	3,983	4,113	511	467
Unemployed	1,545	1,535	683	647	571	600	291	288
Percent of labor force	14.5	14.0	13.0	11.8	12.5	12.7	35.7	37.6
Not in labor force	7,527	7,664	1,767	1,727	4,117	4,218	1,643	1,719

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

(Numbers in thousands)

Employment status	February 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,087	12,669	12,418	21,338	10,823	10,514	3,749	1,845	1,904
Total labor force	14,515	8,076	6,439	12,946	7,156	5,790	1,569	920	650
Percent of population	57.9	63.7	51.9	60.7	66.1	55.1	41.9	49.8	34.1
Civilian labor force	13,749	7,359	6,390	12,317	6,568	5,749	1,432	791	641
Employed	11,251	5,934	5,317	10,298	5,425	4,872	953	509	444
Agriculture	350	299	51	332	282	50	18	17	1
Nonagricultural industries	10,900	5,635	5,265	9,966	5,143	4,822	935	491	443
Unemployed	2,498	1,425	1,074	2,019	1,143	877	479	282	197
Percent of labor force	18.2	19.4	16.8	16.4	17.4	15.2	33.5	35.7	30.7
Looking for full-time work	1,572	919	653	1,223	710	513	349	209	140
Looking for part-time work	927	506	421	797	433	364	130	73	57
Not in labor force	10,572	4,593	5,979	8,392	3,667	4,725	2,180	926	1,254
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	4,368	2,298	2,070	3,971	2,085	1,886	397	213	183
Employed	3,437	1,756	1,680	3,187	1,619	1,568	250	138	112
Agriculture	114	100	14	111	98	14	3	3	--
Nonagricultural industries	3,323	1,656	1,667	3,076	1,521	1,555	247	135	112
Unemployed	931	542	389	784	466	318	147	75	71
Percent of labor force	21.3	23.6	18.8	19.7	22.4	16.9	37.0	35.4	39.0
Looking for full-time work	120	67	53	83	51	33	37	16	21
Looking for part-time work	811	475	336	701	415	285	110	60	51
Not in labor force	8,364	4,158	4,207	6,679	3,341	3,338	1,686	816	869
MAJOR ACTIVITY: OTHER									
Civilian labor force	9,381	5,060	4,321	8,346	4,483	3,863	1,035	577	458
Employed	7,814	4,177	3,636	7,111	3,807	3,304	703	371	332
Agriculture	236	199	38	221	184	37	15	15	1
Nonagricultural industries	7,578	3,979	3,599	6,890	3,623	3,267	688	356	332
Unemployed	1,568	883	684	1,235	677	559	332	207	126
Percent of labor force	16.7	17.5	15.8	14.8	15.1	14.5	32.1	35.8	27.4
Looking for full-time work	1,452	852	599	1,139	659	480	312	193	119
Looking for part-time work	116	31	85	96	17	79	20	13	6
Not in labor force	2,207	435	1,772	1,713	326	1,387	495	109	385

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

[Numbers in thousands]

Race, sex, and age	February 1977								
	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	80,373	70,274	3,695	6,404	8.0	14,967	13,762	1,705	11.4
16 to 21 years	8,131	5,846	713	1,572	19.3	5,618	4,691	927	16.5
16 to 19 years	3,783	2,494	435	853	22.6	4,459	3,675	519	17.5
16 to 17 years	581	298	97	186	32.1	2,699	2,180	619	19.2
18 to 19 years	3,201	2,196	338	667	20.8	1,760	1,496	264	15.0
20 years and over	76,590	67,779	3,260	5,551	7.2	10,509	9,587	922	8.8
20 to 24 years	11,895	9,523	728	1,645	13.8	2,150	1,872	278	12.9
25 years and over	64,695	58,256	2,532	3,906	6.0	8,359	7,715	644	7.7
25 to 54 years	53,208	47,880	2,023	3,306	6.2	5,606	5,163	443	7.9
55 years and over	11,487	10,377	509	601	5.2	2,753	2,551	201	7.3
Males, 16 years and over	51,262	45,514	1,819	3,929	7.7	5,069	4,326	744	14.7
16 to 21 years	4,567	3,274	374	919	20.1	2,791	2,285	506	18.1
16 to 19 years	2,160	1,431	239	490	22.7	2,231	1,796	435	19.5
20 years and over	49,102	44,082	1,580	3,439	7.0	2,838	2,529	309	10.9
20 to 24 years	6,733	5,368	368	997	14.8	972	844	127	13.1
25 years and over	42,369	38,714	1,212	2,442	5.8	1,866	1,685	182	9.8
25 to 54 years	34,704	31,723	950	2,032	5.9	734	653	81	11.0
55 years and over	7,664	6,991	262	410	5.3	1,132	1,031	101	8.9
Females, 16 years and over	29,111	24,760	1,876	2,475	8.5	9,898	8,937	961	9.7
16 to 21 years	3,564	2,572	339	653	18.3	2,827	2,406	421	14.9
16 to 19 years	1,623	1,063	196	364	22.4	2,227	1,879	348	15.6
20 years and over	27,488	23,697	1,680	2,112	7.7	7,671	7,058	613	8.0
20 to 24 years	5,162	4,154	360	648	12.6	1,179	1,028	151	12.8
25 years and over	22,326	19,543	1,320	1,464	6.6	6,492	6,030	462	7.1
25 to 54 years	18,503	16,157	1,073	1,273	6.9	4,871	4,510	362	7.4
55 years and over	3,823	3,386	247	190	5.0	1,620	1,520	100	6.2
White									
Males, 16 years and over	45,900	41,153	1,517	3,230	7.0	4,533	3,910	624	13.8
16 to 21 years	4,018	3,003	305	710	17.7	2,550	2,117	433	17.0
16 to 19 years	1,912	1,336	199	377	19.7	2,056	1,681	375	18.3
20 years and over	43,988	39,818	1,317	2,853	6.5	2,477	2,229	248	10.0
20 to 24 years	5,933	4,828	313	792	13.3	857	748	109	12.7
25 years and over	38,055	34,990	1,004	2,061	5.4	1,620	1,481	139	8.6
25 to 54 years	31,043	28,564	770	1,708	5.5	613	552	63	10.2
55 years and over	7,012	6,424	234	352	5.0	1,005	929	76	7.6
Females, 16 years and over	24,859	21,416	1,550	1,893	7.6	9,075	8,248	827	9.1
16 to 21 years	3,144	2,337	294	513	16.3	2,606	2,242	364	14.0
16 to 19 years	1,441	974	171	295	20.5	2,068	1,768	300	14.5
20 years and over	23,418	20,442	1,379	1,597	6.8	7,007	6,480	527	7.5
20 to 24 years	4,453	3,662	314	476	10.7	1,056	930	126	11.9
25 years and over	18,965	16,780	1,065	1,121	5.9	5,951	5,550	401	6.7
25 to 54 years	15,514	13,707	863	944	6.1	4,500	4,190	311	6.9
55 years and over	3,451	3,073	200	177	5.1	1,450	1,360	90	6.2
Black and other									
Males, 16 years and over	5,362	4,360	303	699	13.0	536	416	120	22.4
16 to 21 years	549	271	69	209	38.1	242	169	73	30.2
16 to 19 years	248	96	40	112	45.2	175	116	59	33.9
20 years and over	5,114	4,264	263	586	11.5	361	300	61	16.8
20 to 24 years	800	540	55	205	25.6	115	96	18	15.8
25 years and over	4,314	3,724	208	381	8.8	246	204	43	17.5
25 to 54 years	3,662	3,158	181	324	8.8	118	101	18	15.3
55 years and over	652	567	27	58	8.9	127	102	25	19.7
Females, 16 years and over	4,252	3,344	326	583	13.7	823	689	134	16.3
16 to 21 years	420	235	45	140	33.3	221	164	57	25.8
16 to 19 years	182	89	25	68	37.4	159	111	48	30.1
20 years and over	4,070	3,255	301	514	12.6	664	578	86	12.9
20 to 24 years	709	492	45	172	24.2	123	98	25	20.0
25 years and over	3,361	2,763	256	342	10.2	541	480	61	11.3
25 to 54 years	2,989	2,450	210	329	11.0	371	321	51	13.7
55 years and over	372	313	47	14	3.8	169	159	10	5.9

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

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A-9. Unemployed persons by sex and age

Age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
Total, 16 years and over	4,610	4,673	8.4	8.3	3,424	3,437	9.1	8.8
16 to 19 years	941	924	21.8	21.0	713	712	19.1	18.5
16 to 17 years	425	391	24.6	22.6	316	314	21.4	20.3
18 to 19 years	516	533	20.0	20.1	397	397	17.6	17.3
20 years and over	3,669	3,748	7.2	7.2	2,711	2,725	8.0	7.7
20 to 24 years	1,071	1,124	14.5	14.6	767	799	12.7	12.6
25 years and over	2,597	2,624	6.0	5.9	1,944	1,926	7.5	6.7
25 to 34 years	1,083	1,097	7.7	7.5	810	837	9.1	8.7
35 to 44 years	547	518	5.3	4.9	448	439	6.6	6.2
45 to 54 years	479	498	4.6	4.9	402	360	6.0	5.4
55 to 64 years	367	378	5.3	5.4	228	234	5.2	5.4
55 to 59 years	208	210	4.9	4.9	134	141	5.0	5.2
60 to 64 years	159	168	5.9	6.2	94	94	5.5	5.7
65 years and over	121	133	6.7	7.4	57	56	5.2	5.2
Household heads, 16 years and over	2,571	2,597	5.7	5.7	710	675	8.3	7.6
16 to 24 years	425	407	10.3	9.7	136	130	12.0	10.9
25 to 54 years	1,683	1,698	5.2	5.2	459	409	8.7	7.5
55 years and over	462	492	5.5	5.7	114	136	5.2	6.1

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
Total, 16 years and over	4,610	4,673	8.4	8.3	3,424	3,437	9.1	8.8
Married, spouse present	2,139	2,086	5.4	5.3	1,662	1,626	7.7	7.3
Widowed, divorced, or separated	483	487	12.8	11.8	692	636	9.9	8.8
Single (never married)	1,987	2,100	16.8	16.8	1,069	1,174	11.9	12.3
White, 16 years and over	3,766	3,854	7.6	7.6	2,722	2,720	8.3	8.0
Married, spouse present	1,823	1,815	5.0	5.0	1,423	1,394	7.3	7.0
Widowed, divorced, or separated	357	386	11.8	11.4	493	444	8.8	7.7
Single (never married)	1,586	1,653	15.3	15.2	806	883	10.5	10.8
Black and other, 16 years and over	843	819	14.9	13.9	702	716	14.2	14.1
Married, spouse present	316	270	9.1	7.7	240	233	10.8	10.0
Widowed, divorced, or separated	126	101	16.8	13.2	199	192	13.9	13.4
Single (never married)	402	447	27.3	27.7	263	291	20.4	22.0
Total, 20 to 64 years of age	3,548	3,615	7.2	7.2	2,654	2,669	8.1	7.8
Married, spouse present	2,003	1,950	5.3	5.1	1,560	1,520	7.5	7.1
Widowed, divorced, or separated	456	451	12.9	11.5	628	568	9.9	8.7
Single (never married)	1,089	1,214	14.0	14.7	465	581	8.3	9.6
White, 20 to 64 years of age	2,883	2,993	6.6	6.7	2,088	2,073	7.4	7.0
Married, spouse present	1,698	1,694	4.9	4.9	1,330	1,292	7.1	6.7
Widowed, divorced, or separated	340	361	12.0	11.3	443	389	8.8	7.5
Single (never married)	845	939	14.1	13.3	315	393	6.7	7.8
Black and other, 20 to 64 years of age	664	622	13.0	11.7	566	594	12.8	12.9
Married, spouse present	305	256	9.1	7.5	229	228	10.7	10.1
Widowed, divorced, or separated	116	90	16.8	12.5	186	178	14.1	13.5
Single (never married)	244	275	23.3	23.2	150	188	15.7	18.4

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
Total	8,033	8,109	8.7	8.5	8.4	8.3	9.1	8.8
White-collar workers	2,151	2,244	4.8	4.8	3.3	3.6	6.1	5.9
Professional and technical	443	428	3.2	3.0	2.7	2.9	3.9	3.2
Managers and administrators, except farm	320	316	3.4	3.3	2.8	2.9	5.9	4.7
Sales workers	340	389	6.1	6.4	4.2	4.7	8.7	8.7
Clerical workers	1,048	1,111	6.3	6.6	5.1	5.8	6.7	6.8
Blue-collar workers	3,754	3,626	12.0	11.3	11.5	10.9	14.0	12.8
Craft and kindred workers	1,087	1,070	9.1	8.7	9.1	8.7	9.3	8.9
Carpenters and other construction craft	633	613	17.5	16.4	17.5	16.3	(1)	(1)
All other	454	457	5.4	5.3	6.0	5.1	8.6	7.7
Operatives, except transport	1,457	1,354	13.0	11.9	11.5	10.7	15.1	13.7
Transport equipment operatives	348	374	10.0	10.0	10.3	10.2	5.7	7.9
Nonfarm laborers	862	828	18.8	17.4	19.2	17.9	14.3	12.5
Construction laborers	300	272	33.1	31.7	33.0	31.7	(1)	(1)
All other	562	556	15.3	14.3	15.5	14.6	13.4	11.9
Service workers	1,253	1,203	9.6	9.2	9.9	8.7	9.5	9.5
Private household	80	64	7.0	5.3	(1)	(1)	7.0	5.4
All other	1,173	1,138	9.9	9.6	10.0	8.7	9.8	10.1
Farm workers	119	190	4.7	7.6	4.0	6.4	10.0	14.9
No previous work experience	756	846	--	--	--	--	--	--
16 to 19 years	576	607	--	--	--	--	--	--
20 to 24 years	124	134	--	--	--	--	--	--
25 years and over	57	106	--	--	--	--	--	--

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
Total	100.0	100.0	8.7	8.5	8.4	8.3	9.1	8.8
Nonagricultural private wage and salary workers	78.8	76.9	9.4	9.0	9.3	9.0	9.6	9.0
Mining	.6	.4	6.2	4.7	5.6	4.1	(1)	(1)
Construction	12.0	11.9	22.9	22.1	23.9	23.1	9.3	6.7
Manufacturing	25.3	22.6	9.5	8.6	8.0	7.5	12.9	10.9
Durable goods	14.9	13.0	9.5	8.4	8.4	7.8	12.9	10.1
Lumber and wood products	1.0	1.1	12.3	13.4	12.0	14.1	(1)	6.4
Furniture and fixtures	.7	.6	10.6	9.6	9.6	9.9	13.3	8.7
Stone, clay, and glass products	.9	1.1	10.5	13.5	11.9	13.4	4.4	13.6
Primary metal industries	1.3	1.6	8.2	9.2	8.1	9.1	9.4	10.4
Fabricated metal products	2.0	1.8	11.1	10.2	10.1	10.2	14.9	10.0
Machinery, except electrical equipment	2.4	1.5	7.8	5.2	7.4	5.2	9.4	5.2
Electrical equipment	2.3	2.2	8.8	8.0	6.1	4.9	12.7	12.4
Transportation equipment	2.4	1.9	9.4	7.2	8.1	6.5	17.1	11.0
Automobiles	1.0	1.0	7.8	6.8	6.9	6.4	13.0	9.4
Other transportation equipment	1.4	.9	11.2	7.6	9.3	6.8	21.7	12.9
Instruments and related products	.6	.3	7.5	4.9	4.1	2.9	12.1	7.5
Other durable goods industries	1.2	.8	13.5	10.3	10.5	9.7	17.7	11.1
Nondurable goods	10.4	9.6	9.6	8.9	7.2	7.0	13.0	11.5
Food and kindred products	2.4	2.9	10.4	12.7	7.8	9.5	17.4	20.4
Textile mill products	1.3	.9	11.0	7.5	9.5	7.2	12.6	7.9
Apparel and other textile products	2.1	2.0	12.0	11.6	10.3	14.9	12.4	10.7
Paper and allied products	.8	.5	8.7	6.5	6.7	3.6	15.2	15.8
Printing and publishing	1.1	1.0	6.9	6.2	6.0	5.1	8.2	7.8
Chemicals and allied products	.9	.6	5.6	3.8	4.5	2.6	8.8	7.2
Rubber and plastics products	1.0	.8	11.4	9.5	8.1	8.7	17.7	11.2
Other nondurable goods industries	.9	.9	12.8	11.0	7.9	9.1	18.8	14.4
Transportation and public utilities	3.7	3.8	6.1	6.0	6.6	6.7	4.7	3.6
Railroads and railway express	.4	.5	5.6	6.3	4.9	6.3	(1)	(1)
Other transportation	2.7	2.6	9.5	8.5	10.4	9.4	6.3	4.2
Communication and other public utilities	.6	.7	2.5	2.8	2.2	2.6	3.1	3.3
Wholesale and retail trade	20.4	21.8	9.8	10.0	8.6	8.5	11.2	11.8
Finance, insurance, and real estate	2.7	2.7	4.9	4.7	4.0	4.4	5.7	4.9
Service industries	14.1	13.7	7.7	7.2	7.9	7.4	7.5	7.2
Professional services	5.5	5.5	5.2	5.0	5.2	3.6	5.2	5.7
All other service industries	8.5	8.2	11.0	10.2	8.8	10.8	11.4	9.7
Agricultural wage and salary workers	2.3	2.8	14.2	17.4	13.9	15.7	15.8	24.5
All other classes of workers	9.6	9.9	3.3	3.4	2.9	2.9	3.8	3.9
No previous work experience	9.4	10.4	--	--	--	--	--	--

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	8,033	8,109	3,669	3,748	2,711	2,725	1,654	1,636	6,488	6,574	1,545	1,535
Job losers	4,493	4,371	2,726	2,696	1,285	1,247	482	429	3,694	3,620	799	752
On layoff	1,491	1,474	941	956	405	410	145	107	1,275	1,299	215	175
Other job losers	3,003	2,898	1,785	1,740	880	837	337	321	2,419	2,321	584	577
Job leavers	863	868	311	321	391	411	162	136	740	744	123	124
Reentrants	1,925	2,030	565	624	922	938	438	468	1,487	1,561	439	470
New entrants	752	839	66	108	113	129	573	603	567	650	184	189
Total unemployed, percent distribution	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	56.0	53.9	74.3	71.9	47.4	45.8	29.1	26.2	57.0	55.1	51.7	49.0
On layoff	18.6	18.2	25.6	25.5	14.9	15.0	8.7	6.6	19.7	19.8	13.9	11.4
Other job losers	37.4	35.7	48.7	46.4	32.5	30.7	20.4	19.6	37.3	35.3	37.8	37.6
Job leavers	10.7	10.7	8.5	8.6	14.4	15.1	9.8	8.3	11.4	11.3	8.0	8.1
Reentrants	24.0	25.0	15.4	16.6	34.0	34.4	26.5	28.6	22.9	23.7	28.4	30.6
New entrants	9.4	10.3	1.8	2.9	4.2	4.7	34.6	36.8	8.7	9.9	11.9	12.3
UNEMPLOYMENT RATE												
Total unemployment rate	8.7	8.5	7.2	7.2	8.0	7.7	20.6	19.9	7.9	7.8	14.5	14.0
Job loser rate ¹	4.8	4.5	5.4	5.1	3.8	3.6	6.0	5.2	4.5	4.3	7.5	6.9
Job leaver rate ¹	.9	.9	.6	.6	1.2	1.2	1.7	1.7	.8	.9	1.2	1.1
Reentrant rate ¹	2.1	2.1	1.1	1.2	2.7	2.7	5.5	5.7	1.8	1.8	4.1	4.3
New entrant rate ¹	.8	.9	.1	.2	.3	.4	7.1	7.3	.7	.8	1.7	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	February 1977						
	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	8,109	100.0	35.4	34.9	29.7	14.6	15.1
Job losers	4,371	100.0	29.5	35.7	34.7	16.7	18.0
On layoff	1,474	100.0	46.4	35.5	18.1	11.1	7.0
Other job losers	2,898	100.0	20.9	35.9	43.2	19.6	23.6
Job leavers	868	100.0	37.2	33.2	29.6	14.6	15.0
Reentrants	2,030	100.0	43.6	34.6	21.8	12.6	9.2
New entrants	839	100.0	44.1	33.1	22.7	8.3	14.4
Males, 20 years and over	3,748	100.0	28.8	36.7	34.5	15.4	19.1
Job losers	2,696	100.0	26.8	37.3	36.0	16.0	20.0
On layoff	956	100.0	41.3	39.5	19.2	10.8	8.4
Other job losers	1,740	100.0	18.8	36.0	45.2	18.9	26.3
Job leavers	321	100.0	37.4	32.7	29.9	16.5	13.4
Reentrants	624	100.0	34.1	35.3	30.6	14.1	16.5
New entrants	108	100.0	23.4	42.1	34.6	4.7	29.9
Females, 20 years and over	2,725	100.0	38.6	33.3	28.0	15.1	12.9
Job losers	1,247	100.0	31.8	32.6	35.6	18.4	17.2
On layoff	410	100.0	54.7	27.7	17.5	11.9	5.6
Other job losers	837	100.0	20.3	35.0	44.7	21.7	23.0
Job leavers	411	100.0	34.3	33.1	32.6	14.8	17.8
Reentrants	938	100.0	48.1	34.5	17.4	11.2	6.2
New entrants	129	100.0	49.6	31.8	18.6	13.2	5.4
Both sexes, 16 to 19 years	1,636	100.0	45.0	33.5	21.4	11.8	9.6
Job losers	429	100.0	40.7	35.0	24.3	16.4	7.9
On layoff	107	100.0	59.8	29.0	11.2	11.2	--
Other job losers	321	100.0	34.4	37.2	28.4	17.8	10.6
Job leavers	136	100.0	44.5	35.8	19.7	8.8	10.9
Reentrants	468	100.0	47.2	33.8	19.1	13.5	5.6
New entrants	603	100.0	46.5	31.6	21.8	8.1	13.7

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

Sex, age, and race	February 1977								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	8,109	6,541	30.6	6.3	70.9	31.6	15.4	7.3	1.62
16 to 19 years	1,636	1,516	21.8	2.8	79.4	25.0	13.3	5.0	1.47
20 to 24 years	1,923	1,567	33.9	7.8	72.7	33.8	16.5	5.3	1.70
25 to 34 years	1,935	1,525	34.5	7.7	70.5	34.0	14.5	7.4	1.69
35 to 44 years	956	715	38.7	5.5	66.4	32.4	16.9	9.9	1.70
45 to 54 years	858	630	27.1	6.7	61.1	36.5	14.6	11.1	1.57
55 to 64 years	612	434	28.8	8.3	63.6	31.1	19.6	11.3	1.63
65 years and over	190	153	26.8	7.2	57.5	30.1	17.0	8.5	1.47
Males, 16 years and over	4,673	3,570	33.8	6.9	71.6	28.4	16.9	10.0	1.68
16 to 19 years	924	841	23.7	3.2	81.9	21.0	15.8	5.1	1.51
20 to 24 years	1,124	849	38.4	9.0	74.3	32.5	18.4	6.2	1.79
25 to 34 years	1,097	814	39.9	8.0	71.7	31.3	16.5	10.3	1.78
35 to 44 years	518	347	46.1	7.8	62.2	26.2	18.7	16.4	1.77
45 to 54 years	498	351	26.2	8.5	61.3	29.9	14.8	17.9	1.60
55 to 64 years	378	253	28.9	7.1	60.5	32.4	19.8	18.2	1.67
65 years and over	133	116	28.4	5.2	59.5	25.0	12.1	9.5	1.40
Females, 16 years and over	3,437	2,971	26.8	5.5	70.1	35.5	13.5	3.9	1.55
16 to 19 years	712	675	19.6	2.4	76.1	29.9	10.2	4.9	1.43
20 to 24 years	799	719	28.5	6.5	70.7	35.2	14.3	4.2	1.59
25 to 34 years	837	712	28.2	7.2	69.0	37.1	12.4	4.1	1.58
35 to 44 years	439	368	31.8	3.3	70.4	38.3	15.2	3.5	1.63
45 to 54 years	360	279	28.7	4.7	60.9	44.8	14.0	2.2	1.55
55 to 64 years	234	181	28.7	9.9	68.0	29.3	19.9	1.7	1.58
65 years and over	56	37	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	6,574	5,192	29.8	6.5	71.9	32.2	14.4	7.3	1.62
Males	3,854	2,867	32.5	7.3	72.2	29.3	16.0	10.5	1.68
Females	2,720	2,325	26.4	5.6	71.5	35.8	12.5	3.4	1.55
Black and other	1,535	1,349	34.0	5.4	67.3	29.6	19.2	7.0	1.63
Males	819	703	39.1	5.7	69.3	25.2	21.1	8.1	1.69
Females	716	646	28.2	5.1	65.2	34.5	18.9	5.7	1.58

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	February 1977								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	8,109	6,541	30.6	6.3	70.9	31.6	15.4	7.3	1.62
Job losers	4,371	2,889	37.6	7.3	69.0	33.3	17.3	9.9	1.74
Job leavers	868	886	33.9	6.7	75.4	33.3	13.3	2.4	1.65
Reentrants	2,030	1,934	23.0	5.6	69.6	31.6	13.7	6.9	1.50
New entrants	839	833	20.8	3.8	76.0	24.0	15.0	4.3	1.44
Males, 16 years and over	4,673	3,570	33.8	6.9	71.6	28.4	16.9	10.0	1.68
Job losers	2,984	1,936	38.0	7.6	68.7	30.6	17.6	12.5	1.75
Job leavers	392	392	36.7	7.4	80.9	31.6	16.1	3.3	1.76
Reentrants	885	832	27.2	6.5	71.9	25.2	16.3	10.5	1.58
New entrants	411	410	24.9	4.6	75.6	21.7	15.9	4.1	1.47
Females, 16 years and over	3,437	2,971	26.8	5.5	70.1	35.5	13.5	3.9	1.55 ¹
Job losers	1,388	952	36.6	6.7	69.6	39.0	16.7	4.5	1.73
Job leavers	476	494	31.6	5.9	71.3	34.6	11.1	1.6	1.56
Reentrants	1,145	1,102	20.0	5.2	67.8	36.4	11.6	4.3	1.45
New entrants	428	423	16.5	3.1	76.4	26.2	14.2	4.3	1.41

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household heads			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
Total	8,033	8,109	100.0	100.0	3,280	3,272	100.0	100.0
Less than 5 weeks	2,699	2,869	33.6	35.4	917	957	27.9	29.2
5 to 14 weeks	2,541	2,832	31.6	34.9	1,047	1,222	31.9	37.4
15 to 26 weeks	1,807	2,076	22.5	25.6	702	841	21.4	25.7
27 weeks and over	733	756	9.1	9.3	346	382	10.5	11.7
15 weeks and over	2,794	2,409	34.8	29.7	1,316	1,093	40.1	33.4
16 to 26 weeks	1,241	1,183	15.4	14.6	534	483	16.3	14.8
27 weeks and over	1,552	1,226	19.3	15.1	782	610	23.8	18.6
27 to 51 weeks	824	631	10.3	7.8	432	299	13.2	9.1
52 weeks and over	728	595	9.1	7.3	350	311	10.7	9.5
Average (mean) duration	16.4	14.8	--	--	18.7	17.2	--	--

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	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		Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
	February 1977									
Total, 16 years and over	8,109	2,869	2,832	1,183	1,226	14.8	33.6	35.4	34.8	29.7
16 to 21 years	2,498	1,066	894	283	256	11.3	41.4	42.6	25.1	21.6
16 to 19 years	1,636	736	548	194	158	10.9	45.3	45.0	21.2	21.5
20 to 24 years	1,923	720	721	268	214	12.5	33.6	37.4	33.0	25.1
25 to 34 years	1,935	644	661	313	317	15.4	32.7	33.3	36.6	32.6
35 to 44 years	956	288	348	156	164	17.0	31.2	30.1	38.5	33.5
45 to 54 years	858	226	284	167	181	19.3	26.2	26.4	43.0	40.6
55 to 64 years	612	200	200	75	138	18.6	23.0	32.6	50.6	34.8
65 years and over	190	56	69	11	53	22.0	20.0	29.6	45.9	33.8
Males, 16 years and over	4,673	1,469	1,695	695	814	16.3	28.5	31.4	37.7	32.3
16 to 21 years	1,425	555	522	173	175	12.6	35.5	38.9	28.7	24.4
16 to 19 years	924	389	320	118	98	11.7	40.4	42.0	23.8	23.3
20 to 24 years	1,124	381	427	155	161	14.2	26.1	33.9	36.6	28.1
25 to 34 years	1,097	335	397	172	193	16.5	28.8	30.5	38.0	33.3
35 to 44 years	518	132	183	94	109	19.6	24.5	25.5	46.5	39.1
45 to 54 years	498	100	176	100	122	20.9	22.4	20.1	45.6	44.6
55 to 64 years	378	101	133	51	92	19.8	21.9	26.8	48.5	38.0
65 years and over	133	32	58	4	39	22.7	14.7	24.0	47.1	32.4
Females, 16 years and over	3,437	1,400	1,137	488	412	12.8	40.5	40.7	30.9	26.2
16 to 21 years	1,074	511	372	109	81	9.6	49.6	47.6	20.1	17.8
16 to 19 years	712	348	228	76	60	9.8	51.7	48.8	17.7	19.1
20 to 24 years	799	339	294	113	53	10.1	44.1	42.5	27.9	20.8
25 to 34 years	837	309	264	140	124	13.9	37.8	36.9	34.7	31.6
35 to 44 years	439	156	165	62	56	13.9	39.3	35.5	28.8	26.9
45 to 54 years	360	126	108	67	59	17.2	30.6	35.0	40.0	35.0
55 to 64 years	234	98	67	23	46	16.6	25.0	42.0	54.0	29.5
65 years and over	56	24	11	7	14	20.2	(1)	(1)	(1)	(1)
White	6,574	2,388	2,266	954	966	14.4	33.3	36.3	34.0	29.2
Males	3,854	1,264	1,405	559	626	15.4	28.6	32.8	36.2	30.7
Females	2,720	1,124	862	395	340	13.0	39.8	41.3	30.8	27.0
Black and other	1,535	480	565	229	260	16.5	34.9	31.3	38.2	31.9
Males	819	205	290	136	188	20.3	27.9	25.0	44.1	39.6
Females	716	276	275	93	72	12.2	43.3	38.5	31.1	23.1
Males:										
Married, spouse present	2,086	599	787	325	375	16.8	25.8	28.7	39.9	33.6
Widowed, divorced, or separated	487	110	183	86	107	19.8	24.1	22.6	48.0	39.8
Single (never married)	2,100	760	725	283	332	14.9	32.4	36.2	32.7	29.3
Females:										
Married, spouse present	1,626	684	466	280	196	12.9	40.1	42.1	32.4	29.3
Widowed, divorced, or separated	636	212	226	92	107	16.9	34.8	33.3	34.2	31.2
Single (never married)	1,174	504	445	116	110	10.5	44.9	42.9	26.4	19.2

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

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

Occupation and industry	Thousands of persons					Average (mean) 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		Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
	February 1977									
OCCUPATION										
White collar workers	2,244	776	718	352	398	16.0	34.6	34.6	36.2	33.4
Professional and managerial	744	227	205	129	185	19.3	33.8	30.5	37.2	42.2
Sales workers	389	140	147	45	57	14.1	44.9	36.0	25.7	26.2
Clerical workers	1,111	409	366	178	157	14.5	33.9	36.8	38.1	30.2
Blue-collar workers	3,626	1,197	1,371	541	517	14.9	27.7	33.0	38.2	29.2
Craft and kindred workers	1,070	310	463	153	144	14.6	24.8	29.0	38.4	27.8
Operatives, except transport	1,354	525	414	217	198	14.5	30.2	38.8	39.8	30.6
Transport equipment operatives	374	105	155	58	57	17.1	32.0	28.0	34.3	30.5
Nonfarm laborers	828	258	339	114	118	15.0	25.5	31.1	36.9	28.0
Service workers	1,203	450	406	179	168	13.9	42.3	37.4	28.6	28.8
INDUSTRY¹										
Agriculture	226	76	82	44	24	14.0	26.9	33.8	33.6	30.0
Construction	994	274	443	152	124	14.5	26.8	27.6	33.9	27.8
Manufacturing	1,834	653	569	307	305	16.0	26.4	35.6	44.5	33.4
Durable goods	1,052	366	323	173	189	16.3	23.0	34.8	47.3	34.5
Nondurable goods	783	287	246	134	116	15.7	31.3	36.7	40.6	31.9
Transportation and public utilities	345	97	122	55	70	19.5	29.0	28.1	38.9	36.5
Wholesale and retail trade	1,775	649	651	244	231	13.8	36.7	36.6	28.6	26.8
Finance and service industries	1,715	623	542	255	296	13.6	38.3	36.3	32.9	32.1
Public administration	206	50	81	38	36	16.1	34.4	24.1	40.7	36.2
No previous work experience	846	377	278	70	121	12.6	45.8	44.6	24.6	22.6

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
	All industries	84,764	87,231	50,551	51,659	34,213	35,573
16 to 19 years	6,381	6,605	3,370	3,467	3,012	3,138
16 to 17 years	2,464	2,575	1,306	1,342	1,158	1,233
18 to 19 years	3,917	4,030	2,063	2,125	1,854	1,905
20 to 24 years	11,587	12,123	6,302	6,581	5,284	5,542
25 to 54 years	53,409	55,065	32,681	33,326	20,728	21,740
25 to 34 years	21,182	22,425	13,049	13,605	8,133	8,820
35 to 44 years	16,116	16,595	9,775	9,996	6,340	6,599
45 to 54 years	15,112	16,045	9,857	9,725	6,255	6,321
55 to 64 years	10,678	10,753	6,523	6,619	4,155	4,134
55 to 59 years	6,534	6,653	3,996	4,076	2,538	2,577
60 to 64 years	4,144	4,100	2,527	2,543	1,617	1,556
65 years and over	2,709	2,684	1,675	1,665	1,034	1,019
Nonagricultural industries	81,963	84,522	48,118	49,364	33,845	35,158
16 to 19 years	6,087	6,356	3,111	3,253	2,976	3,103
16 to 17 years	2,331	2,448	1,189	1,232	1,142	1,215
18 to 19 years	3,756	3,909	1,922	2,021	1,834	1,888
20 to 24 years	11,318	11,847	6,073	6,347	5,245c	5,500
25 to 54 years	51,978	53,660	31,462	32,179	20,517c	21,482
25 to 34 years	20,718	21,938	12,648	13,207	8,071	8,731
35 to 44 years	15,690	16,176	9,423	9,657	6,266	6,519
45 to 54 years	15,570	15,546	9,391	9,315	6,179	6,232
55 to 64 years	10,185	10,290	6,088	6,209	4,097	4,081
55 to 59 years	6,271	6,396	3,771	3,851	2,499	2,545
60 to 64 years	3,914	3,894	2,317	2,357	1,597	1,536
65 years and over	2,394	2,370	1,384	1,376	1,010	993
Agriculture	2,802	2,709	2,434	2,295	368	414
16 to 19 years	294	249	259	214	35	35
16 to 17 years	134	127	118	109	16	18
18 to 19 years	161	122	142	104	19	17
20 to 24 years	268	276	230	234	39c	42
25 to 54 years	1,432	1,406	1,219	1,147	213c	258
25 to 34 years	464	487	401	398	63	89
35 to 44 years	426	420	352	339	74	80
45 to 54 years	542	499	466	410	76	89
55 to 64 years	493	463	434	411	58	52
55 to 59 years	263	257	225	225	39	32
60 to 64 years	230	206	210	186	20	20
65 years and over	315	315	291	289	24	26

c = corrected.

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	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
	TOTAL	84,764	87,231	47,182	48,192	31,201	32,434	3,370	3,467	3,012	3,138
White-collar workers	43,092	44,443	20,695	21,028	20,229	21,197	597	647	1,571	1,571
Professional and technical	13,356	13,690	7,767	7,688	5,425	5,837	78	70	86	95
Health workers	2,162	2,350	758	838	1,390	1,504	2	--	12	10
Teachers, except college	3,306	3,323	1,000	989	2,279	2,293	9	7	17	34
Other professional and technical	7,888	8,017	6,008	5,861	1,756	2,040	67	63	57	51
Managers and administrators, except farm	9,025	9,350	7,129	7,224	1,823	2,052	41	57	31	16
Salaried workers	7,296	7,663	5,735	5,923	1,498	1,676	33	48	30	16
Self-employed workers in retail trade	892	835	663	577	224	254	3	4	2	--
Self-employed workers, except retail trade	837	852	731	724	100	123	5	5	--	--
Sales workers	5,200	5,646	2,782	3,013	1,830	2,012	242	260	346	361
Retail trade	2,808	3,073	870	976	1,437	1,580	185	183	316	334
Other industries	2,392	2,574	1,912	2,037	393	432	57	77	31	27
Clerical workers	15,512	15,757	3,017	3,102	11,152	11,295	236	260	1,107	1,099
Stenographers, typists, and secretaries	4,584	4,425	78	55	4,160	4,044	4	1	343	324
Other clerical workers	10,928	11,332	2,939	3,047	6,992	7,251	232	259	764	775
Blue-collar workers	27,497	28,549	20,792	21,554	4,687	4,880	1,692	1,801	326	313
Craft and kindred workers	10,879	11,236	10,041	10,301	530	555	277	351	30	28
Carpenters	933	980	895	919	3	8	35	53	--	--
Construction craft, except carpenters	2,044	2,141	1,966	2,067	27	13	49	60	2	1
Mechanics and repairers	2,895	3,002	2,755	2,841	20	37	115	122	4	2
Metal craft	1,276	1,241	1,213	1,164	35	42	28	34	--	3
Blue-collar worker supervisors, not elsewhere classified	1,369	1,540	1,234	1,392	130	135	3	10	1	3
All other	2,363	2,331	1,978	1,919	315	321	48	72	23	20
Operatives, except transport	9,757	10,030	5,367	5,478	3,660	3,756	517	585	213	210
Durable goods manufacturing	4,325	4,407	2,783	2,769	1,350	1,424	134	157	60	57
Nondurable goods manufacturing	3,198	3,338	1,256	1,304	1,768	1,824	62	104	111	107
Other industries	2,234	2,284	1,328	1,404	542	508	321	324	42	46
Transport equipment operatives	3,140	3,355	2,754	2,967	207	234	164	140	16	14
Drivers, motor vehicles	2,681	2,838	2,327	2,491	197	221	143	112	13	14
All other	460	517	426	476	9	13	21	28	3	1
Nonfarm laborers	3,721	3,929	2,630	2,809	290	335	734	725	67	60
Construction	605	587	498	466	9	5	99	111	--	4
Manufacturing	970	1,018	773	778	105	135	80	105	12	--
Other industries	2,146	2,324	1,360	1,564	176	194	555	510	55	56
Service workers	11,749	11,925	3,749	3,788	6,055	6,075	850	833	1,095	1,228
Private household workers	1,063	1,150	21	26	805	838	12	8	224	278
Service workers, except private household	10,686	10,775	3,728	3,762	5,249	5,238	838	826	871	950
Food service workers	3,765	3,861	669	743	2,046	1,975	488	501	561	641
Protective service workers	1,341	1,303	1,226	1,180	89	90	24	30	1	3
All other	5,581	5,611	1,833	1,839	3,114	3,173	326	295	309	306
Farm workers	2,425	2,315	1,945	1,821	231	283	230	185	19	26
Farmers and farm managers	1,420	1,345	1,345	1,269	66	69	9	7	--	--
Farm laborers and supervisors	1,005	970	600	552	165	214	221	179	19	26
Paid workers	815	762	569	518	60	93	174	130	12	21
Unpaid family workers	190	208	30	34	104	120	48	49	8	5

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977	Feb. 1976	Feb. 1977
TOTAL						
Total employed (thousands)	84,764	87,231	50,551	51,659	34,213	35,573
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.8	50.9	42.1	42.0	63.7	64.0
Professional and technical	15.8	15.7	15.5	15.0	16.1	16.7
Managers and administrators, except farm	10.6	10.7	14.2	14.1	5.4	5.8
Sales workers	6.1	6.5	6.0	6.3	6.4	6.7
Clerical workers	18.3	18.1	6.4	6.5	35.8	34.8
Blue-collar workers	32.4	32.7	44.5	45.2	14.7	14.6
Craft and kindred workers	12.8	12.9	20.4	20.6	1.6	1.6
Operatives, except transport	11.5	11.5	11.6	11.7	11.3	11.2
Transport equipment operatives	3.7	3.8	5.8	6.0	.6	.7
Nonfarm laborers	4.4	4.5	6.7	6.8	1.0	1.1
Service workers	13.9	13.7	9.1	8.9	20.9	20.5
Private household workers	1.3	1.3	(1)	.1	3.0	3.1
Other service workers	12.6	12.4	9.0	8.9	17.9	17.4
Farm workers	2.9	2.7	4.3	3.9	.7	.9
Farmers and farm managers	1.7	1.5	2.7	2.5	.2	.2
Farm laborers and supervisors	1.2	1.1	1.6	1.4	.5	.7
White						
Total employed (thousands)	75,689	77,793	45,721	46,580	29,968	31,214
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.7	52.8	43.9	43.7	66.2	66.4
Professional and technical	16.2	16.1	16.1	15.5	16.3	16.9
Managers and administrators, except farm	11.4	11.5	15.1	15.0	5.7	6.3
Sales workers	6.6	7.0	6.4	6.8	6.9	7.2
Clerical workers	18.6	18.3	6.3	6.4	37.3	36.1
Blue-collar workers	32.0	32.2	43.7	44.4	14.2	14.0
Craft and kindred workers	13.3	13.4	20.9	21.2	1.7	1.7
Operatives, except transport	11.1	11.1	11.3	11.4	10.8	10.5
Transport equipment operatives	3.6	3.7	5.5	5.6	.7	.8
Nonfarm laborers	4.0	4.1	6.0	6.1	1.0	1.1
Service workers	12.3	12.3	8.1	8.0	18.8	18.7
Private household workers	.9	1.0	(1)	.1	2.1	2.4
Other service workers	11.4	11.3	8.0	8.0	16.7	16.3
Farm workers	3.0	2.7	4.4	3.9	.8	.9
Farmers and farm managers	1.8	1.7	2.9	2.6	.2	.2
Farm laborers and supervisors	1.1	1.1	1.5	1.3	.6	.7
Black and other						
Total employed (thousands)	9,075	9,438	4,830	5,079	4,245	4,359
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	35.0	35.5	25.4	26.0	45.9	46.6
Professional and technical	12.3	12.5	10.2	10.1	14.8	15.3
Managers and administrators, except farm	4.5	4.5	5.6	6.3	3.2	2.5
Sales workers	2.5	2.5	2.1	2.4	2.8	2.6
Clerical workers	15.8	16.0	7.5	7.2	25.1	26.2
Blue-collar workers	36.3	37.4	52.3	53.1	18.1	19.0
Craft and kindred workers	8.7	8.9	15.4	15.2	1.2	1.5
Operatives, except transport	15.1	15.1	15.1	14.4	15.0	16.0
Transport equipment operatives	4.9	5.2	8.8	9.4	.4	.2
Nonfarm laborers	7.6	8.2	13.1	14.1	1.4	1.3
Service workers	26.7	25.1	18.8	17.5	35.7	34.0
Private household workers	4.4	4.1	(1)	.1	9.2	8.7
Other service workers	22.3	21.0	18.6	17.4	26.5	25.3
Farm workers	2.0	2.0	3.5	3.4	.3	.4
Farmers and farm managers	.3	.5	.6	.9	--	--
Farm laborers and supervisors	1.7	1.5	2.9	2.5	.3	.4

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	February 1977								
	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	78,345	1,288	15,211	61,846	5,719	459	1,073	1,417	219
16 to 19 years	6,228	317	472	5,438	98	31	189	6	54
16 to 17 years	2,379	238	128	2,014	52	17	92	2	34
18 to 19 years	3,849	79	344	3,425	46	15	98	4	20
20 to 24 years	11,538	96	1,683	9,760	289	19	192	65	19
25 to 34 years	20,630	136	4,315	16,179	1,227	82	222	233	33
35 to 44 years	14,789	124	3,276	11,389	1,272	115	157	225	38
45 to 54 years	14,154	205	3,119	10,830	1,289	103	151	305	42
55 to 64 years	9,127	251	2,031	6,845	1,074	89	112	331	21
55 to 59 years	5,700	111	1,305	4,284	634	62	70	174	13
60 to 64 years	3,427	140	726	2,561	441	26	41	157	8
65 years and over	1,880	159	315	1,405	470	20	50	252	12
Males, 16 years and over	45,196	141	7,808	37,247	4,109	59	886	1,326	82
16 to 19 years	3,179	37	199	2,942	57	17	159	6	49
16 to 17 years	1,192	28	54	1,109	28	12	75	2	33
18 to 19 years	1,987	9	145	1,833	29	5	84	4	16
20 to 24 years	6,149	19	730	5,400	191	7	156	64	14
25 to 34 years	12,347	13	2,236	10,098	852	8	182	208	9
35 to 44 years	8,722	7	1,682	7,033	933	2	126	211	2
45 to 54 years	8,343	19	1,631	6,693	968	3	121	287	1
55 to 64 years	5,428	19	1,154	4,255	770	11	97	310	3
55 to 59 years	3,388	3	723	2,661	459	4	59	163	3
60 to 64 years	2,040	15	431	1,593	311	7	38	147	--
65 years and over	1,028	27	175	825	339	10	45	239	5
Females, 16 years and over	33,149	1,147	7,403	24,599	1,609	400	187	91	136
16 to 19 years	3,048	280	272	2,496	41	14	30	--	5
16 to 17 years	1,187	210	73	904	24	4	16	--	1
18 to 19 years	1,861	71	199	1,592	17	9	14	--	4
20 to 24 years	5,389	77	953	4,360	98	12	36	1	5
25 to 34 years	8,283	123	2,079	6,081	375	73	40	25	24
35 to 44 years	6,067	117	1,594	4,356	339	112	30	14	36
45 to 54 years	5,811	186	1,488	4,137	320	100	30	18	41
55 to 64 years	3,699	232	877	2,590	304	78	14	20	18
55 to 59 years	2,312	108	582	1,622	175	58	11	11	10
60 to 64 years	1,387	124	295	967	129	20	3	10	8
65 years and over	852	132	140	580	131	10	5	13	7

A-24. Employed persons by industry and occupation

[In thousands]

Industry	February 1977											
	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	
Agriculture	2,709	56	18	3	70	54	16	26	145	--	5	970
Mining	741	67	43	5	74	196	284	49	17	--	6	--
Construction	4,806	167	597	17	384	2,657	193	173	587	--	31	--
Manufacturing	20,077	2,007	1,371	444	2,349	4,073	7,746	761	1,018	--	306	--
Durable goods	11,852	1,335	741	139	1,302	2,777	4,408	355	610	--	184	--
Nondurable goods	8,225	672	630	1,047	5,449	1,297	3,338	406	408	--	121	--
Transportation and public utilities	5,878	468	543	51	1,348	1,244	161	1,415	496	--	152	--
Wholesale and retail trade	17,899	350	3,401	3,889	3,055	1,429	982	691	1,044	--	3,058	--
Wholesale trade	3,355	102	677	816	686	305	179	342	218	--	31	--
Retail trade	14,544	249	2,723	3,073	2,369	1,124	803	349	826	--	3,027	--
Finance, insurance, and real estate	4,932	229	949	1,091	2,217	95	1	11	69	--	269	--
Services	25,416	9,447	1,791	144	4,560	1,198	600	174	424	1,150	5,928	--
Private households	1,331	4	2	--	10	2	1	1	101	1,150	60	--
Other service industries	24,085	9,443	1,789	144	4,550	1,196	599	173	323	--	5,868	--
Public administration	4,774	898	637	2	1,699	289	47	54	128	--	1,020	--

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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			
	Feb. 1976				Feb. 1977		Paid absences ²		Unpaid absences^{2}
			Feb. 1976	Feb. 1977			Feb. 1976	Feb. 1977
Total	3,700	3,755	3,478	3,542	1,396	1,369	1,639	1,652
Vacation	988	959	936	917	604	607	218	203
Illness	1,701	1,530	1,622	1,486	675	598	835	752
Bad weather	171	460	132	393	--	--	--	--
Industrial dispute	41	56	41	56	--	--	--	--
All other reasons	799	750	748	690	117	165	586	698
Males	2,190	2,274	1,975	2,075	849	885	820	838
Vacation	593	628	543	589	363	423	100	93
Illness	979	857	902	817	416	366	423	370
All other reasons ³	618	789	530	669	70	96	297	375
Females	1,511	1,481	1,503	1,467	547	486	819	815
Vacation	395	331	393	329	241	184	117	111
Illness	721	673	719	669	259	232	412	382
All other reasons ³	394	477	390	469	47	70	289	322

¹ Excludes private 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	February 1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	83,477	80,980	2,497	100.0	100.0	100.0
1-34 hours	21,180	20,243	938	25.4	25.0	37.6
1-4 hours	831	802	30	1.0	1.0	1.2
5-14 hours	4,324	4,075	249	5.2	5.0	10.0
15-29 hours	10,243	9,773	470	12.3	12.1	18.8
30-34 hours	5,782	5,593	189	6.9	6.9	7.6
35 hours and over	62,297	60,738	1,558	74.6	75.0	62.4
35-39 hours	5,705	5,577	127	6.8	6.9	5.1
40 hours	35,015	34,657	358	41.9	42.8	14.3
41 hours and over	21,577	20,504	1,073	25.8	25.3	43.0
41 to 48 hours	8,888	8,643	245	10.6	10.7	9.8
49 to 59 hours	7,453	7,140	313	8.9	8.8	12.5
60 hours and over	5,236	4,721	515	6.3	5.8	20.6
Average hours, total at work	38.3	38.2	40.6	--	--	--
Average hours, workers on full-time schedules	42.9	42.7	49.8	--	--	--

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	February 1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	21,180	6,701	14,479	20,242	6,295	13,947
Economic reasons	3,695	1,686	2,009	3,377	1,484	1,893
Slack work	1,864	1,248	616	1,586	1,052	534
Material shortages or repairs to plant and equipment	221	221	--	218	218	--
New job started during week	141	141	--	140	140	--
Job terminated during week	76	76	--	74	74	--
Could find only part-time work	1,394	--	1,394	1,359	--	1,359
Other reasons	17,486	5,016	12,470	16,865	4,811	12,054
Does not want, or unavailable for, full-time work	10,325	--	10,325	9,998	--	9,998
Vacation	495	495	--	487	487	--
Illness	2,114	1,916	198	2,068	1,888	180
Bad weather	670	670	--	541	541	--
Industrial dispute	38	38	--	38	38	--
Legal or religious holiday	638	638	--	637	637	--
Full time for this job	1,421	--	1,421	1,398	--	1,398
All other reasons	1,785	1,259	526	1,699	1,221	478
Average hours:						
Economic reasons	21.5	24.1	19.3	21.6	24.5	19.3
Other reasons	20.5	26.3	18.1	20.5	26.5	18.1
Worked 30 to 34 hours:						
Economic reasons	1,114	723	391	1,031	667	364
Other reasons	4,668	2,738	1,930	4,562	2,671	1,891

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

[Numbers in thousands]

Industry	February 1977								
	Total at work	Full- or part-time status						Average hours, total at work	Average hours, workers on full-time schedules
		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 ¹	80,980	3,377	12,054	65,549	45,045	8,643	11,861	38.2	42.7
Wage and salary workers	75,273	3,052	10,932	61,289	43,282	8,151	9,856	37.9	42.3
Construction	3,633	243	200	3,190	2,438	374	378	38.1	40.6
Manufacturing	18,923	630	599	17,694	12,530	2,832	2,332	40.7	42.0
Durable goods	11,128	277	231	10,620	7,484	1,743	1,393	41.2	42.1
Nondurable goods	7,795	352	368	7,075	5,047	1,089	939	39.9	41.8
Transportation and public utilities	5,367	168	354	4,845	3,454	603	788	40.4	42.6
Wholesale and retail trade	15,499	910	3,926	10,663	6,523	1,804	2,336	36.0	43.5
Finance, insurance, and real estate	4,443	78	450	3,915	2,885	430	600	39.3	41.8
Service industries	22,126	965	5,146	16,015	11,644	1,614	2,757	35.4	42.1
Private households	1,237	174	689	374	261	23	90	22.1	43.9
All other industries	20,889	791	4,457	15,641	11,383	1,591	2,667	36.2	42.1
Public administration	4,595	47	238	4,308	3,423	406	479	39.9	41.3
Self-employed workers	5,248	307	951	3,990	1,607	470	1,913	41.7	49.5
Unpaid family workers	459	17	171	271	158	22	91	36.0	45.4

¹ Includes mining not shown separately.

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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	February 1977							
	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	80,980	3,377	12,054	65,549	45,045	20,504	38.2	42.7
16 to 21 years	10,592	680	4,407	5,505	4,258	1,247	29.2	40.7
16 to 19 years	6,183	409	3,458	2,316	1,816	500	25.2	40.3
16 to 17 years	2,388	90	2,039	259	202	57	17.4	38.3
18 to 19 years	3,795	319	1,419	2,057	1,614	443	30.2	40.6
20 years and over	74,797	2,968	8,596	63,233	43,231	20,002	39.2	42.8
20 to 24 years	11,465	702	1,760	9,003	6,632	2,371	36.7	41.5
25 years and over	63,332	2,266	6,836	54,230	36,599	17,631	39.7	43.0
25 to 44 years	36,752	1,333	3,438	31,981	21,238	10,743	40.2	43.1
45 to 64 years	24,387	838	2,346	21,203	14,632	6,571	40.0	43.0
65 years and over	2,192	96	1,052	1,044	727	317	28.9	42.8
Males, 16 years and over	47,289	1,570	3,794	41,925	25,648	16,277	41.3	44.2
16 to 21 years	5,489	350	2,116	3,023	2,125	898	30.9	41.7
16 to 19 years	3,167	220	1,658	1,289	917	372	27.0	41.3
16 to 17 years	1,201	50	990	161	118	43	19.4	39.0
18 to 19 years	1,966	170	668	1,128	798	330	31.7	41.7
20 years and over	44,122	1,351	2,135	40,636	24,732	15,904	42.3	44.2
20 to 24 years	6,171	352	798	5,021	3,280	1,741	38.4	42.8
25 years and over	37,951	999	1,337	35,615	21,452	14,163	42.9	44.4
25 to 44 years	22,108	597	439	21,072	12,367	8,705	43.5	44.6
45 to 64 years	14,588	350	377	13,861	8,624	5,237	43.1	44.2
65 years and over	1,257	51	521	685	464	221	30.8	43.4
Females, 16 years and over	33,691	1,806	8,260	23,625	19,398	4,227	33.8	40.1
16 to 21 years	5,104	330	2,292	2,482	2,132	350	27.4	39.4
16 to 19 years	3,016	189	1,799	1,028	900	128	23.4	39.0
16 to 17 years	1,187	40	1,049	98	83	15	15.3	37.2
18 to 19 years	1,829	149	751	929	815	114	28.6	39.2
20 years and over	30,675	1,618	6,461	22,596	18,497	4,099	34.8	40.2
20 to 24 years	5,295	349	962	3,984	3,355	629	34.8	39.8
25 years and over	25,380	1,269	5,499	18,612	15,142	3,470	34.8	40.3
25 to 44 years	14,645	736	2,999	10,910	8,871	2,039	35.0	40.1
45 to 64 years	9,800	487	1,969	7,344	6,008	1,336	35.5	40.4
65 years and over	935	45	531	359	263	96	26.3	41.8
RACE								
White	72,179	2,795	11,062	58,322	39,044	19,278	38.3	43.0
Males	42,616	1,308	3,437	37,871	22,476	15,395	41.6	44.4
Females	29,564	1,488	7,626	20,450	16,566	3,884	33.6	40.3
Black and other	8,801	581	992	7,228	6,004	1,224	36.8	40.5
Males	4,673	263	357	4,053	3,172	881	38.4	41.4
Females	4,127	317	635	3,175	2,831	344	34.9	39.4
MARITAL STATUS								
Males:								
Married, spouse present	34,370	815	1,108	32,447	19,233	13,214	43.1	44.5
Widowed, divorced, or separated	3,282	156	154	2,972	1,883	1,089	41.8	44.1
Single (never married)	9,636	599	2,531	6,506	4,532	1,974	34.6	42.6
Females:								
Married, spouse present	19,476	975	4,829	13,672	11,357	2,315	34.0	40.0
Widowed, divorced, or separated	6,185	408	945	4,832	3,823	1,009	36.0	40.5
Single (never married)	8,030	423	2,486	5,121	4,218	903	31.6	40.2

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

[Numbers in thousands]

Occupational group and sex	February 1977								
	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									
White-collar workers	42,873	1,092	6,326	35,455	23,582	4,327	7,546	39.0	43.2
Professional and technical	13,234	285	1,671	11,278	7,232	1,428	2,618	39.8	43.6
Managers and administrators, except farm	9,001	109	433	8,459	4,043	1,246	3,170	45.5	47.1
Sales workers	5,392	240	1,339	3,813	2,244	531	1,038	36.6	44.1
Clerical workers	15,246	458	2,883	11,905	10,062	1,122	721	35.3	39.8
Blue-collar workers	27,019	1,458	1,873	23,688	16,491	3,704	3,493	39.5	42.2
Craft and kindred workers	10,626	400	365	9,861	6,599	1,667	1,595	40.9	42.6
Operatives, except transport	9,564	591	588	8,385	6,269	1,231	885	39.1	41.5
Transport equipment operatives	3,158	164	262	2,732	1,540	460	732	41.4	44.8
Nonfarm laborers	3,670	302	658	2,710	2,083	347	280	34.7	40.5
Service workers	11,439	865	3,913	6,661	5,120	643	898	31.9	41.9
Private household	1,103	146	633	324	233	21	70	22.0	43.7
Other service workers	10,336	719	3,280	6,337	4,889	621	827	32.9	41.8
Males									
White-collar workers	20,981	291	1,440	19,250	10,301	2,755	6,194	43.5	45.8
Professional and technical	7,557	110	513	6,934	3,957	903	2,074	43.1	45.3
Managers and administrators, except farm	7,013	76	172	6,765	2,928	1,017	2,820	47.1	48.0
Sales workers	3,152	46	385	2,721	1,362	424	935	41.8	45.6
Clerical workers	3,259	59	370	2,830	2,056	410	364	38.8	41.9
Blue-collar workers	22,092	1,066	1,339	19,687	13,177	3,260	3,250	40.2	42.7
Craft and kindred workers	10,072	386	277	9,409	6,271	1,599	1,539	41.1	42.6
Operatives, except transport	5,797	273	349	5,175	3,553	895	727	40.4	42.7
Transport equipment operatives	2,924	145	143	2,636	1,471	444	721	42.4	44.9
Nonfarm laborers	3,299	264	571	2,464	1,879	322	263	34.9	40.6
Service workers	4,469	237	1,039	3,193	2,277	340	576	36.1	43.5
Private household	34	--	19	15	12	1	2	22.3	40.7
Other service workers	4,435	237	1,021	3,177	2,266	339	572	36.2	43.5
Females									
White-collar workers	21,892	802	4,886	16,204	13,278	1,573	1,353	34.7	40.1
Professional and technical	5,677	176	1,158	4,343	3,276	525	542	35.5	40.8
Managers and administrators, except farm	1,988	33	261	1,694	1,114	229	351	40.2	43.5
Sales workers	2,240	194	955	1,091	882	106	103	29.2	40.2
Clerical workers	11,988	398	2,513	9,077	8,008	712	357	34.4	39.1
Blue-collar workers	4,927	391	534	4,002	3,315	444	243	36.4	40.0
Craft and kindred workers	555	15	88	452	328	68	56	37.3	41.8
Operatives, except transport	3,767	319	239	3,209	2,714	336	159	37.1	39.6
Transport equipment operatives	234	20	119	95	69	16	10	28.7	43.0
Nonfarm laborers	371	39	87	245	202	25	18	32.4	40.0
Service workers	6,970	628	2,874	3,468	2,843	303	322	29.1	40.4
Private household	1,069	146	615	308	221	20	67	21.9	43.8
Other service workers	5,901	482	2,259	3,160	2,622	283	255	30.5	40.1

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status	February 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,348	4,247	4,100	7,033	3,588	3,445	1,314	659	655
Civilian labor force	1,278	696	582	1,209	659	550	69	37	32
Employed	1,116	575	541	1,058	547	511	58	28	31
Agriculture	86	66	20	82	64	19	3	2	1
Nonagricultural industries	1,030	509	521	976	483	492	55	26	29
Unemployed	162	121	41	151	112	39	11	9	2
Unemployment rate	12.7	17.4	7.0	12.5	17.0	7.1	(1)	(1)	(1)
Not in labor force	7,069	3,551	3,518	5,824	2,929	2,895	1,245	622	623
Keeping house	48	11	37	41	11	30	6	--	6
Going to school	6,876	3,475	3,402	5,647	2,855	2,792	1,230	619	610
Unable to work	7	6	1	7	6	1	--	--	--
All other reasons	138	60	78	129	56	72	9	4	5

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	February 1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,116	575	541	100.0	100.0	100.0
Nonagricultural industries	1,030	509	521	92.4	88.5	96.1
Wage and salary workers	932	436	496	83.6	75.7	91.7
Private household workers	404	59	345	36.2	10.3	63.8
Government workers	38	22	15	3.4	3.8	2.8
Other wage and salary workers	490	354	136	43.9	61.6	25.1
Self-employed workers	92	71	21	8.3	12.3	3.9
Unpaid family workers	6	3	3	.5	.5	.6
Agriculture	86	66	20	7.6	11.5	3.9
Wage and salary workers	47	32	15	4.2	5.6	2.8
Self-employed workers	3	4	--	.3	.7	--
Unpaid family workers	35	30	6	3.1	5.2	1.1
OCCUPATION						
Total	1,116	575	541	100.0	100.0	100.0
White-collar workers	310	224	86	27.7	39.0	15.9
Professional and technical	9	5	4	.8	.9	.7
Managers and administrators, except farm	3	2	1	.3	.3	.2
Sales workers	239	195	45	21.4	34.0	8.3
Clerical workers	58	22	36	5.2	3.8	6.7
Blue-collar workers	175	158	17	15.7	27.5	3.0
Craft and kindred workers	8	7	--	.7	1.2	--
Operatives, except transport	36	31	5	3.2	5.4	.9
Transport equipment operatives	7	6	1	.6	1.0	.2
Nonfarm laborers	124	114	10	11.1	19.9	1.8
Service workers	557	133	424	50.0	23.2	78.4
Private household workers	368	22	346	33.0	3.8	64.0
Other service workers	189	111	78	17.0	19.3	14.4
Farm workers	74	59	15	6.6	10.3	2.8
Farmers and farm managers	1	1	--	.1	.2	--
Farm laborers and supervisors	74	58	15	6.6	10.1	2.8

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Employment status	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
TOTAL														
Total noninstitutional population ¹	155,106	155,325	155,516	155,711	155,925	156,142	156,367	156,595	156,788	157,006	157,176	157,381	157,584	
Armed Forces ¹	2,146	2,147	2,144	2,142	2,137	2,140	2,147	2,145	2,147	2,149	2,146	2,133	2,137	
Civilian noninstitutional population ¹	152,960	153,178	153,371	153,570	153,788	154,002	154,220	154,451	154,642	154,857	155,031	155,248	155,447	
Civilian labor force	93,597	93,862	94,376	94,551	94,704	95,189	95,351	95,242	95,302	95,871	95,960	95,516	96,145	
Percent of civilian population	61.2	61.3	61.5	61.6	61.6	61.8	61.8	61.7	61.6	61.9	61.9	61.5	61.4	
Employed	86,471	86,845	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	
Percent of total population	55.7	55.9	56.2	56.3	56.1	56.2	56.2	56.1	56.0	56.2	56.3	56.3	56.5	
Agriculture	3,198	3,215	3,398	3,332	3,313	3,333	3,372	3,278	3,310	3,248	3,257	3,090	3,050	
Nonagricultural industries	83,273	83,630	83,931	84,308	84,220	84,450	84,462	84,516	84,428	84,972	85,184	85,468	85,872	
Unemployed	7,126	7,017	7,047	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	
Unemployment rate	7.6	7.5	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	
Not in labor force	59,363	59,316	58,995	59,019	59,084	58,813	58,869	59,209	59,340	58,986	59,071	59,732	59,302	
Males, 20 years and over														
Total noninstitutional population ¹	65,821	65,920	66,002	66,087	66,182	66,279	66,384	66,491	66,598	66,699	66,835	66,970	67,025	
Civilian noninstitutional population ¹	64,133	64,230	64,311	64,398	64,492	64,586	64,688	64,796	64,902	65,001	65,140	65,250	65,342	
Civilian labor force	51,017	51,075	51,277	51,435	51,492	51,675	51,851	51,851	51,912	52,066	52,078	51,842	52,092	
Percent of civilian population	79.5	79.5	79.7	79.9	79.8	80.0	79.9	80.0	80.0	80.1	79.9	79.5	79.7	
Employed	48,079	48,201	48,455	48,542	48,443	48,544	48,638	48,701	48,684	48,773	48,859	48,961	49,091	
Percent of total population	73.0	73.1	73.4	73.5	73.2	73.2	73.3	73.2	73.1	73.1	73.1	73.2	73.2	
Agriculture	2,331	2,309	2,401	2,418	2,422	2,429	2,393	2,341	2,334	2,283	2,273	2,209	2,220	
Nonagricultural industries	45,748	45,892	46,054	46,124	46,021	46,115	46,245	46,360	46,350	46,490	46,586	46,752	46,861	
Unemployed	2,938	2,874	2,822	2,893	3,049	3,131	3,060	3,150	3,228	3,293	3,219	2,881	3,001	
Unemployment rate	5.8	5.6	5.5	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	
Not in labor force	13,116	13,155	13,034	12,963	13,000	12,911	12,990	12,945	12,990	12,935	13,062	13,408	13,256	
Females, 20 years and over														
Total noninstitutional population ¹	72,531	72,640	72,737	72,837	72,944	73,053	73,168	73,286	73,378	73,491	73,535	73,642	73,746	
Civilian noninstitutional population ¹	72,452	72,561	72,653	72,753	72,857	72,966	73,078	73,196	73,288	73,401	73,445	73,550	73,654	
Civilian labor force	33,721	33,858	34,013	33,999	34,278	34,487	34,562	34,540	34,444	34,848	34,936	34,740	34,982	
Percent of civilian population	46.5	46.7	46.8	46.7	47.0	47.3	47.3	47.2	47.0	47.5	47.5	47.2	47.5	
Employed	31,228	31,414	31,546	31,671	31,801	31,853	31,883	31,906	31,811	32,208	32,340	32,331	32,477	
Percent of total population	43.1	43.2	43.4	43.4	43.6	43.6	43.6	43.5	43.4	43.8	44.0	43.9	44.0	
Agriculture	426	458	550	485	487	486	532	520	553	558	573	488	485	
Nonagricultural industries	30,802	30,956	30,996	31,186	31,314	31,367	31,351	31,386	31,258	31,650	31,767	31,843	31,992	
Unemployed	2,493	2,444	2,467	2,328	2,477	2,634	2,679	2,634	2,633	2,640	2,599	2,409	2,505	
Unemployment rate	7.4	7.2	7.3	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	
Not in labor force	38,731	38,703	38,640	38,754	38,579	38,479	38,516	38,656	38,844	38,553	38,507	38,810	38,672	
Both sexes, 16-19 years														
Total noninstitutional population ¹	16,754	16,765	16,776	16,788	16,799	16,811	16,815	16,819	16,812	16,816	16,806	16,810	16,813	
Civilian noninstitutional population ¹	16,376	16,387	16,407	16,419	16,439	16,450	16,454	16,458	16,452	16,455	16,446	16,448	16,451	
Civilian labor force	8,859	8,929	9,086	9,117	9,134	9,027	9,091	8,851	8,946	8,957	8,944	8,934	9,071	
Percent of civilian population	54.1	54.5	55.4	55.5	54.3	54.9	55.3	53.8	54.4	54.4	54.4	54.3	55.1	
Employed	7,164	7,230	7,328	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	
Percent of total population	42.8	43.1	43.7	44.2	43.4	43.9	43.5	42.7	43.1	43.0	43.1	43.2	44.0	
Agriculture	441	448	447	429	404	418	447	417	423	407	411	393	375	
Nonagricultural industries	6,723	6,782	6,881	6,998	6,885	6,968	6,866	6,770	6,820	6,832	6,831	6,873	7,019	
Unemployed	1,695	1,699	1,758	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	
Unemployment rate	19.1	19.0	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	
Not in labor force	7,517	7,458	7,321	7,302	7,505	7,423	7,363	7,607	7,506	7,498	7,502	7,514	7,380	

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-43 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

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

[Numbers in thousands]

Full- and part-time employment status	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
FULL TIME														
Total, 16 years and over:														
Civilian labor force	79,965	80,310	80,524	80,763	80,684	81,066	81,177	80,977	81,297	81,786	82,048	81,730	81,946	
Employed	74,263	74,673	74,898	75,190	74,854	75,128	75,092	74,879	75,135	75,601	75,923	76,223	76,297	
Unemployed	5,702	5,637	5,626	5,573	5,830	5,878	6,085	6,098	6,162	6,185	6,125	5,507	5,651	
Unemployment rate	7.1	7.0	7.0	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	
PART TIME														
Total, 16 years and over:														
Civilian labor force	13,719	13,529	13,916	13,801	13,993	14,181	14,351	14,340	14,059	14,046	13,912	13,980	14,351	
Employed	12,302	12,145	12,443	12,403	12,707	12,681	12,922	12,963	12,610	12,577	12,546	12,549	12,936	
Unemployed	1,417	1,384	1,473	1,398	1,286	1,500	1,429	1,377	1,449	1,469	1,366	1,431	1,529	
Unemployment rate	10.3	10.2	10.6	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	

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.

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Characteristics	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
WHITE													
Total, 16 years and over:													
Civilian labor force	82,867	83,071	83,469	83,668	83,796	84,254	84,403	84,313	84,511	84,816	84,854	84,616	85,086
Employed	77,208	77,412	77,818	78,070	78,091	78,295	78,370	78,276	78,384	78,647	78,828	78,923	79,365
Unemployed	5,659	5,659	5,651	5,598	5,705	5,959	6,033	6,037	6,127	6,169	6,026	5,693	5,721
Unemployment rate	6.8	6.8	6.8	6.7	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7
Males, 20 years and over:													
Civilian labor force	45,743	45,839	45,949	46,083	46,143	46,287	46,355	46,489	46,561	46,667	46,624	46,347	46,605
Employed	43,388	43,492	43,654	43,704	43,666	43,726	43,831	43,844	43,926	43,996	44,044	44,035	44,159
Unemployed	2,355	2,347	2,295	2,379	2,477	2,561	2,524	2,645	2,635	2,671	2,580	2,312	2,446
Unemployment rate	5.1	5.1	5.0	5.2	5.4	5.5	5.4	5.7	5.7	5.7	5.5	5.0	5.2
Females, 20 years and over:													
Civilian labor force	29,192	29,268	29,364	29,451	29,639	29,834	29,922	29,876	29,914	30,138	30,211	30,071	30,261
Employed	27,244	27,317	27,414	27,558	27,693	27,750	27,806	27,805	27,775	28,017	28,143	28,170	28,328
Unemployed	1,948	1,951	1,950	1,893	1,946	2,084	2,116	2,071	2,139	2,121	2,068	1,901	1,933
Unemployment rate	6.7	6.7	6.6	6.4	6.6	7.0	7.1	6.9	7.2	7.0	6.8	6.3	6.4
Both sexes, 16 to 19 years:													
Civilian labor force	7,932	7,964	8,156	8,134	8,014	8,133	8,126	7,948	8,036	8,011	8,019	8,198	8,220
Employed	6,576	6,603	6,750	6,808	6,732	6,819	6,733	6,627	6,683	6,634	6,641	6,718	6,878
Unemployed	1,356	1,361	1,406	1,326	1,282	1,314	1,393	1,321	1,353	1,377	1,378	1,480	1,342
Unemployment rate	17.1	17.1	17.2	16.3	16.0	16.2	17.1	16.6	16.8	17.2	17.2	18.1	16.3
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,800	10,812	10,876	10,846	10,844	10,868	10,979	10,906	10,910	11,114	11,109	11,030	11,163
Employed	9,329	9,453	9,466	9,509	9,388	9,464	9,484	9,508	9,444	9,618	9,623	9,648	9,697
Unemployed	1,471	1,359	1,410	1,337	1,456	1,404	1,495	1,398	1,466	1,496	1,486	1,382	1,466
Unemployment rate	13.6	12.6	13.0	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1
Males, 20 years and over:													
Civilian labor force	5,273	5,245	5,304	5,358	5,376	5,355	5,376	5,371	5,388	5,437	5,457	5,464	5,523
Employed	4,695	4,712	4,773	4,846	4,794	4,789	4,822	4,847	4,802	4,806	4,838	4,907	4,976
Unemployed	578	533	531	512	582	566	554	524	586	631	619	557	547
Unemployment rate	11.0	10.2	10.0	9.6	10.8	10.6	10.3	9.8	10.9	11.6	11.3	10.2	9.9
Females, 20 years and over:													
Civilian labor force	4,590	4,611	4,618	4,555	4,599	4,600	4,632	4,639	4,602	4,728	4,714	4,674	4,758
Employed	4,028	4,129	4,106	4,083	4,073	4,074	4,079	4,108	4,072	4,209	4,173	4,171	4,167
Unemployed	562	482	512	472	526	526	553	531	530	519	541	503	591
Unemployment rate	12.2	10.5	11.1	10.4	11.4	11.4	11.9	11.4	11.5	11.0	11.5	10.8	12.4
Both sexes, 16 to 19 years:													
Civilian labor force	937	956	954	933	869	913	971	896	920	949	938	892	882
Employed	606	612	587	580	521	601	583	553	570	603	612	570	554
Unemployed	331	344	367	353	348	312	388	343	350	346	326	322	328
Unemployment rate	35.3	36.0	38.5	37.8	40.0	34.2	40.0	38.3	38.0	36.5	34.8	36.1	37.2

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Characteristics													
Total (all civilian workers)	7.6	7.5	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5
Males, 20 years and over	5.8	5.6	5.5	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8
Females, 20 years and over	7.4	7.2	7.3	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2
Both sexes, 16-19 years	19.1	19.0	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5
White	6.8	6.8	6.8	6.7	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7
Black and other	13.6	12.6	13.0	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1
Household heads	5.0	5.0	4.8	4.9	5.1	5.3	5.2	5.4	5.4	5.3	5.1	4.8	4.9
Married men	4.2	4.1	4.0	4.1	4.3	4.4	4.3	4.5	4.4	4.5	4.3	3.8	4.1
Full-time workers	7.1	7.0	7.0	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9
Part-time workers	10.3	10.2	10.6	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7
Unemployed 15 weeks and over ¹	2.7	2.5	2.2	2.2	2.3	2.4	2.5	2.4	2.5	2.6	2.6	2.4	2.3
Labor force time lost ²	8.1	8.1	8.1	8.1	7.9	8.1	8.4	8.4	8.6	8.6	8.4	8.0	7.9
OCCUPATION													
White-collar workers	4.6	4.6	4.7	4.5	4.5	4.7	4.9	4.6	4.6	4.7	4.5	4.5	4.6
Professional and technical	3.5	3.5	3.3	3.1	3.0	3.1	3.1	3.0	3.2	3.4	3.3	3.3	3.3
Managers and administrators, except farm	2.9	2.9	2.8	3.1	3.1	3.4	3.5	3.2	3.0	3.1	3.1	3.0	2.8
Sales workers	5.3	5.0	5.0	4.9	5.3	5.4	5.8	5.6	5.4	5.7	5.0	5.7	5.6
Clerical workers	6.1	6.3	7.0	6.3	6.2	6.6	7.0	6.2	6.2	6.3	6.1	6.0	6.4
Blue-collar workers	9.3	9.1	8.9	9.0	9.3	9.7	9.8	9.8	9.8	9.7	9.6	8.4	8.7
Craft and kindred workers	6.8	6.7	6.9	6.3	7.0	7.2	7.0	6.9	6.8	7.0	7.0	6.1	6.5
Operatives, except transport	10.5	10.2	9.9	10.6	10.7	11.1	11.3	11.5	11.6	11.3	11.0	9.2	9.6
Transport equipment operatives	7.6	7.6	6.3	6.5	7.2	8.2	8.1	8.0	8.3	8.2	8.1	7.2	7.7
Nonfarm laborers	13.9	13.2	13.0	13.6	12.8	13.4	14.5	14.6	14.0	13.5	13.9	12.9	12.8
Service workers	8.8	8.6	8.3	8.2	8.6	8.6	8.5	8.7	9.4	9.3	9.0	8.6	8.4
Farm workers	4.0	4.5	4.5	4.6	4.2	4.3	3.6	4.0	4.2	5.1	6.1	4.8	6.7
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.9	7.7	7.6	7.5	7.8	8.0	8.2	8.1	8.2	8.2	7.9	7.4	7.6
Construction	15.9	15.9	15.2	14.5	16.3	17.0	16.5	15.7	15.1	15.4	14.1	14.9	15.2
Manufacturing	7.9	7.3	7.6	7.4	7.6	7.8	8.1	8.1	8.2	8.2	8.2	6.9	7.1
Durable goods	8.0	7.5	7.5	7.3	7.4	7.5	7.7	7.6	8.0	7.7	8.0	6.5	7.0
Nondurable goods	7.9	7.1	7.7	7.5	7.9	8.4	8.7	8.9	8.5	8.9	8.6	7.4	7.3
Transportation and public utilities	4.7	4.6	4.2	5.0	5.0	5.2	4.8	5.4	5.6	5.7	5.2	4.7	4.6
Wholesale and retail trade	8.5	8.6	8.3	8.2	8.4	8.6	8.9	8.9	8.9	9.0	8.2	8.4	8.7
Finance and service industries	6.6	6.2	6.3	6.3	6.3	6.4	6.6	6.4	6.7	6.8	6.8	6.2	6.2
Government workers	4.4	4.4	4.8	4.6	4.3	4.5	4.4	3.9	4.4	4.3	4.4	4.3	4.5
Agricultural wage and salary workers	10.8	11.2	11.4	12.5	11.0	11.8	10.4	11.2	11.5	13.2	14.0	12.6	13.4

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	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Duration													
Less than 5 weeks	2,637	2,630	2,988	2,795	2,730	2,931	2,867	2,852	2,952	2,759	2,765	2,762	2,804
5 to 14 weeks	1,890	1,915	1,902	1,978	2,215	2,093	2,433	2,426	2,367	2,494	2,319	2,083	2,107
15 weeks and over	2,531	2,325	2,103	2,042	2,173	2,247	2,341	2,311	2,360	2,517	2,514	2,283	2,182
15 to 26 weeks	968	870	715	850	902	1,058	1,127	1,118	1,094	1,188	1,130	1,038	947
27 weeks and over	1,563	1,455	1,388	1,192	1,271	1,189	1,214	1,193	1,266	1,329	1,384	1,245	1,235
Average (mean) duration, in weeks	16.3	16.0	15.8	15.1	16.9	15.6	15.4	15.4	15.3	15.5	15.6	15.5	14.7
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	37.4	38.3	42.7	41.0	38.4	40.3	37.5	37.6	38.4	35.5	36.4	38.7	39.5
5 to 14 weeks	26.8	27.9	27.2	29.0	31.1	28.8	31.8	32.0	30.8	32.1	30.5	29.2	29.7
15 weeks and over	35.9	33.8	30.1	30.0	30.5	30.9	30.6	30.5	30.7	32.4	33.1	32.0	30.8
15 to 26 weeks	13.7	12.7	10.2	12.5	12.7	14.6	14.7	14.7	14.2	15.3	14.9	14.6	13.4
27 weeks and over	22.1	21.2	19.8	17.5	17.9	16.4	15.9	15.7	16.5	17.1	18.2	17.5	17.4

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Sex and age	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over	7.6	7.5	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	
16 to 15 years	19.1	19.0	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	
16 to 17 years	21.3	20.3	20.9	21.7	21.2	20.8	22.1	20.6	21.3	21.6	20.7	21.1	19.8	
18 to 19 years	17.6	18.4	18.2	16.5	16.2	15.9	18.0	17.5	17.5	17.6	17.7	17.0	17.5	
20 to 24 years	12.0	12.0	11.9	11.3	11.5	11.4	11.9	11.7	12.6	12.7	12.5	11.4	12.0	
25 years and over	5.3	5.2	5.1	5.1	5.4	5.9	5.6	5.8	5.7	5.6	5.5	5.1	5.2	
25 to 54 years	5.4	5.2	5.3	5.3	5.6	6.0	5.9	5.9	6.0	5.9	5.9	5.3	5.3	
55 years and over	4.6	4.8	4.6	4.3	4.7	4.9	4.8	4.8	4.6	4.6	4.2	4.1	4.8	
Males, 16 years and over	6.9	6.8	6.8	6.8	7.0	7.1	7.0	7.2	7.4	7.5	7.3	6.6	6.9	
16 to 19 years	19.2	19.2	20.1	19.2	18.5	18.3	18.7	19.1	19.6	19.7	19.1	17.4	18.6	
16 to 17 years	21.1	21.1	21.1	22.6	21.3	20.8	21.5	21.3	22.3	22.2	21.0	19.5	19.3	
18 to 19 years	17.9	18.1	19.0	17.0	16.4	16.6	16.8	17.3	17.7	18.1	17.4	16.1	17.9	
20 to 24 years	12.1	12.0	11.3	11.3	11.6	12.0	11.8	11.7	12.7	12.6	12.9	11.3	12.1	
25 years and over	4.6	4.5	4.5	4.5	4.9	5.1	5.0	5.2	5.1	5.2	5.0	4.6	4.6	
25 to 54 years	4.6	4.4	4.6	4.6	5.0	5.2	5.1	5.2	5.3	5.4	5.2	4.7	4.6	
55 years and over	4.5	4.9	4.3	4.4	4.7	4.2	4.6	4.6	4.4	4.4	3.9	4.0	4.7	
Females, 16 years and over	8.6	8.5	8.5	8.1	8.4	8.8	9.1	8.8	8.8	8.7	8.6	8.3	8.4	
16 to 19 years	19.0	18.8	18.5	17.8	18.3	18.0	20.6	18.4	18.3	18.5	18.9	20.1	18.4	
16 to 17 years	21.6	19.4	20.7	20.6	21.1	20.8	22.9	19.8	20.1	20.8	20.2	23.0	20.4	
18 to 19 years	17.3	18.7	17.3	15.9	15.9	15.2	19.4	17.6	17.3	17.1	18.0	18.1	16.9	
20 to 24 years	11.9	12.0	12.5	11.2	11.4	10.6	11.9	11.8	12.4	12.8	11.9	11.4	11.9	
25 years and over	6.3	6.1	6.1	6.0	6.3	7.1	6.7	6.7	6.6	6.4	6.4	5.9	6.1	
25 to 54 years	6.7	6.5	6.4	6.5	6.7	7.2	7.1	7.1	7.1	6.7	6.9	6.2	6.3	
55 years and over	4.8	4.5	4.9	4.2	4.7	5.9	5.2	5.2	4.9	5.1	4.7	4.3	4.9	

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

[Numbers in thousands]

Reason for unemployment	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
NUMBER OF UNEMPLOYED														
Job losers	3,490	3,472	3,461	3,506	3,580	3,758	3,790	3,727	3,756	3,802	3,736	3,207	3,396	
On layoff	1,013	953	990	963	1,031	1,142	1,191	1,222	1,107	1,067	1,057	791	1,001	
Other job losers	2,477	2,519	2,471	2,543	2,549	2,616	2,599	2,505	2,649	2,735	2,679	2,416	2,395	
Job leavers	847	775	841	892	895	957	994	934	936	858	831	932	852	
Reentrants	1,861	1,861	1,840	1,775	1,813	1,879	1,941	1,912	1,927	2,061	1,957	1,991	1,963	
New entrants	849	858	888	860	831	794	955	926	894	920	942	905	936	
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	49.5	49.8	49.2	49.9	50.3	50.9	49.3	49.7	50.0	49.8	50.0	45.6	47.5	
On layoff	14.4	13.7	14.1	13.7	14.5	15.5	15.5	16.3	14.7	14.0	14.2	11.2	14.0	
Other job losers	35.1	36.2	35.1	36.2	35.8	35.4	33.8	33.4	35.3	35.8	35.9	34.3	33.5	
Job leavers	12.0	11.1	12.0	12.7	12.6	13.0	12.9	12.5	12.5	11.2	11.1	13.2	11.9	
Reentrants	26.4	26.7	26.2	25.2	25.5	25.4	25.3	25.5	25.6	27.0	26.2	28.3	27.5	
New entrants	12.0	12.3	12.6	12.2	11.7	10.7	12.4	12.3	11.9	12.0	12.6	12.9	13.1	
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE														
Job losers	3.7	3.7	3.7	3.7	3.8	3.9	4.0	3.9	3.9	4.0	3.9	3.4	3.5	
On layoff	.9	.8	.9	.9	.9	1.0	1.0	1.0	1.0	.9	.9	1.0	.9	
Other job losers	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	
Job leavers	.9	.9	.9	.9	.9	.9	.8	1.0	1.0	.9	1.0	.9	1.0	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Sex and age	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	86,471	86,845	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962
16 to 19 years	7,164	7,230	7,328	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394
16 to 17 years	2,887	2,913	3,014	2,928	2,863	2,994	2,970	2,916	2,861	2,882	2,914	2,906	3,017
18 to 19 years	4,280	4,283	4,350	4,452	4,391	4,386	4,346	4,319	4,380	4,356	4,332	4,396	4,402
20 to 24 years	12,079	12,106	12,269	12,373	12,343	12,457	12,301	12,321	12,279	12,378	12,459	12,598	12,634
25 years and over	67,266	67,502	67,730	67,855	67,892	67,911	68,140	68,317	68,257	68,533	68,762	68,759	68,980
25 to 54 years	53,830	54,093	54,306	54,376	54,485	54,502	54,682	54,751	54,688	54,873	55,059	55,239	55,511
55 years and over	13,486	13,387	13,388	13,406	13,419	13,410	13,506	13,566	13,599	13,644	13,702	13,564	13,538
Males, 16 years and over	51,942	52,078	52,397	52,490	52,332	52,507	52,596	52,546	52,576	52,643	52,799	52,918	53,046
16 to 19 years	3,863	3,877	3,942	3,948	3,889	3,963	3,958	3,845	3,892	3,870	3,940	3,957	3,955
16 to 17 years	1,573	1,568	1,672	1,573	1,531	1,641	1,652	1,587	1,588	1,577	1,622	1,588	1,617
18 to 19 years	2,291	2,290	2,304	2,335	2,330	2,316	2,308	2,298	2,301	2,289	2,316	2,381	2,358
20 to 24 years	6,662	6,648	6,770	6,792	6,720	6,766	6,726	6,778	6,787	6,832	6,879	6,975	6,951
25 years and over	41,438	41,549	41,692	41,762	41,722	41,743	41,828	41,955	41,922	41,931	42,016	41,993	42,160
25 to 54 years	33,134	33,263	33,346	33,395	33,324	33,337	33,392	33,468	33,505	33,478	33,529	33,594	33,799
55 years and over	8,295	8,276	8,336	8,354	8,391	8,402	8,442	8,464	8,461	8,460	8,500	8,449	8,384
Females, 16 years and over	34,529	34,767	34,932	35,150	35,201	35,276	35,238	35,248	35,162	35,577	35,642	35,640	35,916
16 to 19 years	3,301	3,353	3,386	3,479	3,400	3,423	3,355	3,342	3,351	3,369	3,302	3,309	3,439
16 to 17 years	1,314	1,345	1,342	1,355	1,332	1,353	1,318	1,329	1,273	1,305	1,292	1,318	1,400
18 to 19 years	1,989	1,993	2,046	2,117	2,061	2,070	2,038	2,021	2,079	2,067	2,016	2,015	2,044
20 to 24 years	5,417	5,458	5,499	5,581	5,623	5,691	5,575	5,543	5,492	5,546	5,580	5,623	5,683
25 years and over	25,828	25,953	26,038	26,093	26,170	26,168	26,312	26,362	26,335	26,602	26,746	26,766	26,820
25 to 54 years	20,692	20,830	20,960	20,981	21,161	21,165	21,290	21,283	21,183	21,395	21,530	21,645	21,712
55 years and over	5,191	5,111	5,052	5,052	5,028	5,008	5,064	5,102	5,138	5,184	5,202	5,115	5,154

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

[Numbers in thousands]

Sex and age	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	7,126	7,017	7,047	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183
16 to 19 years	1,695	1,599	1,758	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677
16 to 17 years	782	743	798	811	771	786	843	758	776	792	760	777	746
18 to 19 years	914	964	969	879	846	832	956	913	930	930	930	901	931
20 to 24 years	1,646	1,645	1,654	1,572	1,606	1,598	1,657	1,639	1,767	1,802	1,779	1,617	1,722
25 years and over	3,759	3,667	3,673	3,646	3,909	4,229	4,075	4,180	4,106	4,102	4,027	3,681	3,766
25 to 54 years	3,102	2,996	3,049	3,064	3,254	3,495	3,438	3,448	3,470	3,438	3,449	3,090	3,088
55 years and over	655	671	640	606	657	685	688	688	652	664	608	583	679
Males, 16 years and over	3,858	3,798	3,812	3,830	3,931	4,020	3,968	4,060	4,178	4,244	4,152	3,714	3,904
16 to 19 years	920	924	990	937	882	889	908	910	950	951	933	833	903
16 to 17 years	421	419	447	459	415	430	452	429	455	449	432	384	387
18 to 19 years	498	505	540	478	456	461	467	481	496	505	487	457	515
20 to 24 years	913	903	866	869	882	921	903	899	990	987	1,022	892	958
25 years and over	2,012	1,976	1,987	1,984	2,158	2,221	2,189	2,282	2,236	2,281	2,194	2,002	2,034
25 to 54 years	1,612	1,546	1,606	1,613	1,742	1,847	1,813	1,830	1,862	1,902	1,853	1,656	1,616
55 years and over	395	428	379	387	411	372	408	410	385	387	349	354	414
Females, 16 years and over	3,268	3,219	3,235	3,081	3,240	3,386	3,549	3,388	3,386	3,407	3,367	3,244	3,279
16 to 19 years	775	775	768	753	763	752	870	754	753	767	769	835	774
16 to 17 years	361	324	351	352	356	356	391	329	321	343	328	393	359
18 to 19 years	416	459	429	401	390	371	489	432	434	425	443	444	416
20 to 24 years	733	742	788	703	724	677	754	740	777	815	757	725	764
25 years and over	1,747	1,691	1,686	1,662	1,751	2,008	1,886	1,898	1,870	1,821	1,833	1,679	1,732
25 to 54 years	1,490	1,450	1,443	1,451	1,512	1,648	1,625	1,618	1,608	1,536	1,596	1,434	1,472
55 years and over	260	243	261	219	246	313	280	278	267	277	259	229	265

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[In thousands]

Selected categories	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total employed	86,471	86,845	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,588	88,962
Household heads	50,778	50,948	51,151	51,170	51,132	51,038	51,120	51,185	51,159	51,356	51,525	51,710	51,729
Married men, spouse present	38,006	38,134	38,225	38,196	38,122	38,146	38,179	38,140	37,989	37,895	37,998	38,195	38,159
Married women, spouse present	20,048	20,084	20,113	20,300	20,334	20,353	20,402	20,470	20,384	20,482	20,498	20,511	20,756
Occupation													
White-collar workers	43,084	43,369	43,431	43,757	43,583	43,503	43,731	44,023	44,207	44,297	44,648	44,521	44,451
Professional and technical	13,081	13,182	13,067	13,236	13,363	13,291	13,471	13,581	13,427	13,597	13,544	13,444	13,408
Managers and administrators, except farm	9,170	9,279	9,382	9,210	9,230	9,226	9,309	9,446	9,436	9,491	9,564	9,613	9,502
Sales workers	5,357	5,401	5,458	5,539	5,467	5,442	5,504	5,555	5,551	5,597	5,815	5,633	5,815
Clerical workers	15,476	15,507	15,524	15,772	15,523	15,544	15,447	15,441	15,793	15,612	15,725	15,831	15,726
Blue-collar workers	28,809	28,853	29,118	29,066	29,132	29,100	28,912	28,745	28,921	29,001	29,150	29,636	29,917
Craft and kindred workers	11,294	11,139	11,189	11,259	11,268	11,329	11,286	11,340	11,352	11,353	11,302	11,626	11,668
Operatives, except transport equipment	10,072	10,159	10,190	10,192	10,257	10,131	10,015	9,820	9,885	9,970	10,231	10,341	10,351
Transport equipment operatives	3,228	3,245	3,299	3,296	3,365	3,275	3,266	3,275	3,297	3,258	3,283	3,358	3,448
Nonfarm laborers	4,215	4,310	4,440	4,319	4,242	4,365	4,345	4,310	4,387	4,420	4,334	4,309	4,450
Service workers	11,840	11,810	11,930	12,034	12,058	12,178	12,265	12,165	11,972	12,026	11,880	11,874	12,017
Farm workers	2,787	2,758	2,918	2,839	2,826	2,861	2,913	2,772	2,829	2,743	2,791	2,624	2,663
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,306	1,327	1,354	1,297	1,317	1,306	1,339	1,309	1,310	1,285	1,380	1,246	1,280
Self-employed workers	1,603	1,585	1,641	1,664	1,671	1,686	1,700	1,608	1,671	1,627	1,530	1,490	1,511
Unpaid family workers	317	299	364	357	342	336	352	344	343	342	340	354	338
Nonagricultural industries:													
Wage and salary workers	77,087	77,470	77,823	78,070	78,117	78,250	78,423	78,440	78,498	78,766	78,957	79,205	79,520
Private households	1,205	1,319	1,337	1,303	1,389	1,433	1,384	1,400	1,377	1,448	1,384	1,391	1,317
Government	14,867	14,939	14,806	14,858	14,899	14,942	15,262	15,143	14,998	15,045	14,967	15,013	14,913
Other	61,015	61,212	61,680	61,909	61,829	61,875	61,777	61,897	62,123	62,273	62,606	62,801	63,290
Self-employed workers	5,696	5,647	5,617	5,759	5,642	5,640	5,661	5,701	5,632	5,771	5,798	5,853	5,854
Unpaid family workers	482	450	465	463	453	447	444	433	448	449	460	419	516
Persons at work¹													
Nonagricultural industries	78,362	78,319	77,632	78,960	79,331	79,257	78,991	79,796	79,469	79,940	80,369	79,832	80,837
Full-time schedules	64,395	64,517	63,853	64,877	64,858	65,261	64,687	64,965	64,955	65,385	65,846	65,700	66,144
Part time for economic reasons	3,201	3,173	3,194	3,287	3,150	3,136	3,178	3,376	3,448	3,545	3,454	3,320	3,438
Usually work full time	1,283	1,231	1,307	1,438	1,326	1,311	1,350	1,378	1,339	1,289	1,234	1,112	1,335
Usually work part time	1,918	1,942	1,887	1,849	1,824	1,825	1,828	1,998	2,109	2,256	2,220	2,208	2,103
Part time for noneconomic reasons	10,766	10,629	10,585	10,796	11,323	10,860	11,126	11,455	11,066	11,010	11,069	10,812	11,255

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 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Feb. 1976	Jan. 1977	Feb. 1977	Feb. 1976	Oct. 1976	Nov. 1976	Dec. 1976	Jan. 1977	Feb. 1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,644	6,847	6,854	6,644	6,765	6,797	6,828	6,847	6,854
Civilian labor force	6,242	6,492	6,521	6,214	6,389	6,436	6,456	6,486	6,512
Employed	5,602	5,881	5,924	5,727	5,832	5,891	5,918	5,995	6,059
Unemployed	640	611	597	487	557	545	538	491	453
Unemployment rate	10.3	9.4	9.2	7.8	8.7	8.5	8.3	7.6	7.0
20 to 24 years									
Civilian noninstitutional population ²	1,096	1,086	1,085	1,096	1,078	1,083	1,089	1,086	1,085
Civilian labor force	939	975	985	924	951	965	956	964	977
Employed	715	772	774	760	770	803	795	802	823
Unemployed	224	203	211	164	181	162	161	162	154
Unemployment rate	23.9	20.8	21.4	17.7	19.0	16.8	16.8	16.8	15.8
25 to 29 years									
Civilian noninstitutional population ²	3,429	3,141	3,109	3,429	3,206	3,186	3,165	3,141	3,109
Civilian labor force	3,248	2,981	2,956	3,231	3,019	3,021	3,010	2,972	2,945
Employed	2,955	2,689	2,704	3,002	2,780	2,760	2,749	2,736	2,748
Unemployed	293	292	252	229	239	261	261	236	197
Unemployment rate	9.0	9.8	8.5	7.1	7.9	8.6	8.7	7.9	6.7
30 to 34 years									
Civilian noninstitutional population ²	2,119	2,620	2,660	2,119	2,481	2,528	2,574	2,620	2,660
Civilian labor force	2,055	2,536	2,580	2,059	2,419	2,450	2,490	2,550	2,590
Employed	1,932	2,420	2,446	1,965	2,282	2,328	2,374	2,457	2,488
Unemployed	123	116	134	94	137	122	116	93	102
Unemployment rate	6.0	4.6	5.2	4.6	5.7	5.0	4.7	3.6	3.9
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,415	17,116	17,191	16,415	16,954	17,008	17,036	17,116	17,191
Civilian labor force	14,536	15,312	15,404	14,803	15,372	15,487	15,562	15,460	15,674
Employed	13,071	13,818	13,809	13,564	14,004	14,053	14,141	14,198	14,327
Unemployed	1,465	1,494	1,595	1,239	1,368	1,434	1,421	1,262	1,347
Unemployment rate	10.1	9.8	10.4	8.4	8.9	9.3	9.1	8.2	8.6
20 to 24 years									
Civilian noninstitutional population ²	7,824	8,018	8,036	7,824	7,976	7,989	7,981	8,018	8,036
Civilian labor force	6,435	6,729	6,720	6,667	6,816	6,878	6,948	6,905	6,956
Employed	5,588	5,896	5,807	5,920	6,007	6,046	6,083	6,174	6,151
Unemployed	847	833	913	747	809	832	865	731	805
Unemployment rate	13.2	12.4	13.6	11.2	11.9	12.1	12.4	10.6	11.6
25 to 29 years									
Civilian noninstitutional population ²	4,767	5,211	5,239	4,767	5,157	5,175	5,188	5,211	5,239
Civilian labor force	4,454	4,879	4,921	4,491	4,880	4,884	4,882	4,849	4,952
Employed	4,085	4,412	4,465	4,197	4,507	4,499	4,529	4,475	4,589
Unemployed	369	467	456	294	373	385	353	374	363
Unemployment rate	8.3	9.6	9.3	6.5	7.6	7.9	7.2	7.7	7.3
30 to 34 years									
Civilian noninstitutional population ²	3,824	3,887	3,916	3,824	3,821	3,844	3,867	3,887	3,916
Civilian labor force	3,647	3,704	3,763	3,645	3,676	3,725	3,732	3,706	3,766
Employed	3,398	3,510	3,537	3,447	3,490	3,508	3,529	3,549	3,587
Unemployed	249	194	226	198	186	217	203	157	179
Unemployment rate	6.8	5.2	6.0	5.4	5.1	5.8	5.4	4.2	4.8

¹ Vietnam-era veterans are those who served between August 5, 1964, and April 30, 1975.² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls, by industry division 1919 to date

[In thousands]

Year and month	Total	Goods-producing					Service-producing							Government		
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Total	Federal	State and local	
								Total	Wholesale trade	Retail trade						
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-	
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-	
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-	
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-	
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-	
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-	
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532	
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622	
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704	
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666	
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601	
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647	
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728	
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842	
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923	
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054	
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090	
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206	
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320	
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270	
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174	
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116	
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137	
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341	
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582	
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787	
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948	
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098	
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087	
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188	
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340	
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563	
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727	
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	4,069	
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399	
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648	
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850	
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083	
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315	
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550	
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868	
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248	
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,972	2,378	7,696	
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,794	2,564	8,227	
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679	
1968.....	67,951	23,693	606	3,306	19,781	44,258	4,311	14,099	3,611	10,488	3,381	10,622	11,845	2,737	9,109	
1969.....	70,442	24,311	619	3,525	20,167	46,130	4,435	14,704	3,733	10,971	3,562	11,228	12,202	2,758	9,444	
1970.....	70,920	23,507	623	3,536	19,349	47,412	4,504	15,040	3,816	11,225	3,687	11,621	12,561	2,731	9,830	
1971.....	71,222	22,820	609	3,639	18,572	48,401	4,457	15,352	3,823	11,529	3,802	11,903	12,887	2,696	10,192	
1972.....	73,714	23,546	625	3,831	19,090	50,167	4,517	15,975	3,943	12,032	3,943	12,392	13,340	2,684	10,656	
1973.....	76,896	24,727	644	4,015	20,068	52,169	4,644	16,674	4,107	12,568	4,091	13,021	13,739	2,663	11,075	
1974.....	78,413	24,697	694	3,957	20,046	53,715	4,696	17,017	4,223	12,794	4,208	13,617	14,177	2,724	11,453	
1975.....	77,051	22,603	745	3,512	18,347	54,448	4,498	17,000	4,177	12,824	4,223	14,006	14,720	2,748	11,973	
1976.....	79,443	23,332	783	3,594	18,956	56,111	4,509	17,694	4,263	13,431	4,316	14,644	14,948	2,733	12,215	
Feb.....	77,586	22,482	752	3,185	18,545	55,104	4,445	17,109	4,189	12,920	4,228	14,224	15,098	2,726	12,372	
Mar.....	78,169	22,723	759	3,285	18,679	55,446	4,462	17,216	4,194	13,022	4,246	14,344	15,178	2,724	12,454	
Apr.....	78,976	23,047	766	3,468	18,813	55,929	4,474	17,490	4,212	13,278	4,276	14,536	15,153	2,730	12,423	
May.....	79,424	23,245	775	3,598	18,872	56,179	4,494	17,606	4,228	13,378	4,278	14,654	15,147	2,735	12,412	
June.....	80,142	23,662	795	3,750	19,117	56,480	4,531	17,757	4,280	13,477	4,344	14,815	15,033	2,758	12,275	
July.....	79,242	23,446	804	3,821	18,821	55,796	4,540	17,723	4,297	13,426	4,368	14,825	14,340	2,775	11,565	
Aug.....	79,555	23,806	766	3,869	19,171	55,749	4,528	17,754	4,302	13,452	4,368	14,869	14,230	2,754	11,476	
Sept.....	80,277	24,027	804	3,815	19,408	56,250	4,560	17,870	4,300	13,570	4,347	14,813	14,660	2,717	11,943	
Oct.....	80,572	23,804	804	3,815	19,185	56,768	4,538	17,922	4,322	13,600	4,355	14,849	15,104	2,711	12,393	
Nov.....	80,943	23,781	807	3,742	19,232	57,162	4,546	18,122	4,321	13,801	4,368	14,858	15,268	2,720	12,548	
Dec.....	81,099	23,480	805	3,547	19,128	57,619	4,553	18,559	4,326	14,233	4,385	14,861	15,261	2,725	12,536	
1977:																
Jan ^p	79,470	22,989	806	3,183	19,000	56,481	4,499	17,795	4,296	13,499	4,381	14,737	15,069	2,697	12,372	
Feb ^p	79,730	23,023	816	3,224	18,983	56,707	4,503	17,687	4,308	13,379	4,400	14,878	15,239	2,703	12,536	

p = preliminary.

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

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
-	TOTAL	79,443	77,334	81,099	79,470	79,730	-	-	-	-	-
-	PRIVATE SECTOR	64,496	62,431	65,838	64,401	64,491	53,054	51,199	54,219	52,770	52,844
-	MINING	783	756	805	806	816	593	573	611	609	620
10	METAL MINING	93.1	89.2	94.4	95.6	-	71.8	68.5	72.7	74.0	-
101	Iron ores	25.4	23.5	25.2	25.4	-	20.5	18.7	20.2	20.4	-
102	Copper ores	35.5	34.3	36.0	36.9	-	27.0	25.9	27.5	28.3	-
11,12	COAL MINING	214.3	212.8	223.3	224.8	-	182.8	182.9	190.7	191.2	-
12	Bituminous coal and lignite mining	210.4	208.9	219.4	220.9	-	179.4	179.5	187.3	187.8	-
13	OIL AND GAS EXTRACTION	360.3	347.7	375.4	380.5	-	247.1	239.4	258.9	263.3	-
131,2	Crude petroleum and natural gas fields	165.0	160.2	167.5	167.4	-	83.0	81.6	83.4	83.3	-
138	Oil and gas field services	195.3	187.5	207.9	213.1	-	164.2	157.8	175.5	180.0	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	115.1	105.8	112.3	104.6	-	90.9	82.0	88.5	80.6	-
142	Crushed and broken stone	39.9	34.8	38.9	34.4	-	32.5	27.3	31.8	27.2	-
144	Sand and gravel	35.1	31.2	33.7	30.8	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,594	3,228	3,547	3,183	3,224	2,849	2,498	2,797	2,422	2,467
15	GENERAL BUILDING CONTRACTORS	1,077.3	986.6	1,071.9	958.3	-	840.8	752.7	833.9	715.1	-
16	HEAVY CONSTRUCTION CONTRACTORS	713.0	564.4	663.2	553.1	-	582.7	441.7	527.8	417.2	-
161	Highway and street construction	298.5	203.8	261.9	200.7	-	252.2	159.9	211.1	149.7	-
162	Heavy construction, nec	414.5	360.6	401.3	352.4	-	330.5	281.8	316.7	267.5	-
17	SPECIAL TRADE CONTRACTORS	1,803.4	1,676.9	1,811.9	1,671.6	-	1,425.7	1,303.4	1,435.7	1,289.9	-
171	Plumbing, heating, air conditioning	427.0	416.5	432.6	417.3	-	322.8	314.6	327.5	312.1	-
172	Painting, paper hanging, decorating	130.0	107.6	132.8	121.5	-	110.4	89.2	111.6	100.6	-
173	Electrical work	325.4	321.6	327.0	316.1	-	254.5	248.7	255.9	245.2	-
174	Masonry, stonework, and plastering	195.1	178.6	195.0	165.8	-	168.7	151.7	169.0	137.4	-
176	Roofing and sheet metal work	128.3	112.6	132.8	107.0	-	103.6	88.5	108.1	81.1	-
-	MANUFACTURING	18,956	18,495	19,128	19,000	18,983	13,625	13,243	13,730	13,611	13,606
19,24,25, 32-39 20-23, 26-31	DURABLE GOODS	11,026	10,717	11,189	11,136	11,092	7,866	7,604	7,989	7,939	7,905
	NONDURABLE GOODS	7,930	7,778	7,939	7,864	7,891	5,759	5,639	5,741	5,672	5,701
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	158.3	162.8	157.1	157.2	157.3	71.5	73.8	70.7	71.0	71.1
192	Ammunition, except for small arms	103.2	107.7	102.9	102.7	102.1	36.4	38.7	36.8	36.6	36.1
1925	Complete guided missiles	85.3	88.3	84.9	84.8	-	23.4	24.5	23.6	23.4	-
1929	Ammunition, exc. for small arms, nec	17.9	19.4	18.0	17.9	-	13.0	14.2	13.2	13.2	-
24	LUMBER AND WOOD PRODUCTS	605.6	569.1	614.2	603.8	607.5	507.8	473.8	516.4	509.1	513.1
241	Logging camps and logging contractors	75.3	71.3	75.4	71.5	72.0	-	-	-	-	-
242	Sawmills and planing mills	209.9	200.9	211.3	208.6	212.4	186.1	177.5	187.4	184.8	188.4
2421	Sawmills and planing mills, general	178.7	171.0	179.5	177.1	-	158.3	150.8	159.1	156.9	-
243	Millwork, plywood and related products	202.7	185.8	208.5	206.1	(*)	167.9	152.9	172.4	170.5	(*)
2431	Millwork	91.6	84.3	94.0	94.3	-	75.2	68.6	76.7	76.7	-
2432	Veneer and plywood	73.7	69.6	75.3	74.8	-	65.7	62.0	67.1	67.0	-
244	Wooden containers	21.8	20.9	21.4	20.3	20.8	19.2	18.4	18.8	17.8	18.4
2441,2	Wooden boxes, shooks, and crates	17.6	16.8	17.2	16.5	-	15.5	14.8	15.2	14.6	-
249	Miscellaneous wood products	95.8	90.2	97.6	97.3	99.0	77.0	71.9	79.0	79.1	80.9

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	489.5	476.5	495.9	492.1	488.7	401.9	390.1	408.0	402.3	400.8
251	Household furniture	354.4	345.9	358.7	355.6	(*)	300.1	292.3	304.6	299.3	(*)
2511	Wood household furniture	182.0	176.6	184.2	181.7	—	159.5	155.1	162.3	158.7	—
2512	Upholstered household furniture	103.1	100.7	105.3	104.2	—	85.6	83.6	87.5	85.6	—
2515	Mattresses and bedspings	33.5	33.5	32.7	32.4	—	25.7	25.4	25.0	24.8	—
252	Office furniture	37.5	36.6	40.6	40.0	—	29.7	28.5	32.8	32.5	—
254	Partitions and fixtures	52.4	50.0	51.9	51.9	—	39.1	37.1	38.4	38.4	—
253,9	Other furniture and fixtures	45.2	44.0	44.7	44.6	(*)	33.1	32.2	32.2	32.1	(*)
STONE, CLAY, AND GLASS PRODUCTS ...											
32	Flat glass	16.4	16.6	16.6	16.2	—	13.2	13.2	13.4	13.0	—
322	Glass and glassware, pressed or blown	131.9	126.8	131.0	132.0	130.7	113.9	109.0	113.3	114.7	112.2
3221	Glass containers	77.2	73.6	76.9	77.5	—	68.1	64.5	68.4	69.7	—
3229	Pressed and blown glass, nec	54.7	53.2	54.1	54.5	—	45.8	44.5	44.9	45.0	—
324	Cement, hydraulic	29.6	28.1	29.4	28.5	(*)	23.4	22.0	23.1	22.1	(*)
325	Structural clay products	47.6	45.3	47.5	46.0	(*)	38.1	36.0	37.7	36.5	(*)
3251	Brick and structural clay tile	21.2	19.6	20.5	19.5	—	17.6	16.1	16.8	15.9	—
326	Pottery and related products	43.4	42.6	40.9	41.1	—	36.7	35.9	34.4	34.5	—
327	Concrete, gypsum, and plaster products	188.4	172.1	185.9	174.7	171.6	145.8	130.6	143.4	132.7	129.6
328,9	Other stone and nonmetallic mineral products	132.3	127.8	134.4	132.5	131.1	99.7	95.9	101.1	99.2	97.3
3291	Abrasive products	24.2	24.0	24.5	24.3	—	17.2	16.8	17.2	17.1	—
PRIMARY METAL INDUSTRIES											
33	Blast furnace and basic steel products	1,190.0	1,156.3	1,182.3	1,176.3	1,166.7	932.8	901.7	924.3	918.9	909.2
331	Blast furnaces and steel mills	542.8	522.1	531.6	528.9	(*)	423.6	405.1	412.0	410.4	(*)
3312	Iron and steel foundries	217.8	218.9	216.6	213.7	212.8	179.0	180.1	177.6	174.6	173.4
332	Gray iron foundries	138.8	136.7	139.3	137.2	—	116.1	114.4	116.1	114.0	—
3321	Malleable iron foundries	20.6	20.9	20.1	20.0	—	16.5	16.6	16.1	16.1	—
3322	Steel foundries	58.4	61.3	57.2	56.5	—	46.4	49.1	45.4	44.5	—
3323	Nonferrous metals	84.3	81.9	85.5	86.6	86.0	64.2	61.8	65.3	66.0	65.4
333,4	Primary aluminum	32.8	30.4	34.7	35.2	—	26.4	24.1	28.1	28.6	—
3334	Nonferrous rolling and drawing	193.9	187.2	195.8	194.3	194.0	143.5	137.0	145.3	143.8	144.4
335	Copper rolling and drawing	35.5	34.0	35.9	35.7	—	27.0	25.6	27.2	27.0	—
3352	Aluminum rolling and drawing	60.4	56.7	61.9	61.8	—	43.6	40.0	45.0	44.8	—
3357	Nonferrous wire drawing and insulating	78.3	76.8	78.2	77.4	—	58.8	57.3	58.9	58.2	—
336	Nonferrous foundries	79.2	75.7	80.2	80.6	80.1	65.5	62.6	66.5	66.9	66.1
3361	Aluminum castings	43.9	40.8	44.4	44.4	—	36.9	34.1	37.4	37.3	—
3362,9	Other nonferrous castings	35.3	34.9	35.8	36.2	—	28.6	28.5	29.1	29.6	—
339	Miscellaneous primary metal products	72.1	70.5	72.6	72.2	71.6	56.9	55.1	57.6	57.2	56.3
3391	Iron and steel forgings	46.9	46.5	46.8	46.7	—	37.2	36.5	37.4	37.2	—
FABRICATED METAL PRODUCTS											
34	Metal cans	62.7	60.8	59.7	60.6	61.8	54.1	52.1	50.9	51.5	52.5
342	Cutlery, hand tools, and hardware	167.3	160.3	172.8	173.1	170.2	129.3	123.0	135.2	135.4	133.2
3421,3,5	Cutlery and hand tools, including saws	70.5	68.4	72.0	72.0	—	53.8	52.0	55.9	55.9	—
3429	Hardware, nec	96.8	91.9	100.8	101.1	—	75.5	71.0	79.3	79.5	—
343	Plumbing and heating, except electric	69.4	66.6	71.2	71.6	72.0	51.1	48.6	52.7	53.0	52.9
3431,2	Sanitary ware and plumbers' brass goods	31.5	30.6	31.3	31.8	—	24.0	23.4	23.8	24.5	—
3433	Heating equipment, except electric	37.9	36.0	39.9	39.8	—	27.1	25.2	28.9	28.5	—
344	Fabricated structural metal products	448.4	442.7	453.3	449.0	436.8	310.9	306.3	314.3	310.3	301.2
3441	Fabricated structural steel	58.5	101.1	97.7	96.4	—	67.6	71.8	68.8	68.1	—
3442	Metaf doors, sash, and trim	70.2	65.5	71.3	70.2	—	51.8	47.7	52.5	51.0	—
3443	Fabricated plate work (boiler shops)	137.9	141.0	138.1	137.0	—	89.4	93.1	89.2	88.2	—
3444	Sheet metal work	85.5	81.0	88.6	88.6	—	61.5	57.3	64.3	64.5	—
3446,9	Architectural and miscellaneous metal work	56.3	54.1	57.6	56.8	—	38.6	36.4	39.5	38.5	—
345	Screw machine products, bolts, etc	98.2	93.1	102.2	102.6	104.1	76.0	71.4	79.5	80.0	81.3
3451	Screw machine products	45.8	43.0	48.7	48.8	—	37.5	35.0	40.1	40.2	—
3452	Bolts, nuts, rivets, and washers	52.4	50.1	53.5	53.8	—	38.5	36.4	39.4	39.8	—
346	Metal stampings	226.8	221.0	230.5	228.0	226.0	184.3	178.5	188.2	185.3	183.8
347	Metal services, nec	90.3	84.5	91.7	91.8	93.1	73.7	68.7	74.9	74.7	76.2
348	Miscellaneous fabricated wire products	59.3	57.4	58.9	58.4	58.4	46.8	45.1	46.1	45.5	44.9
349	Miscellaneous fabricated metal products	164.9	160.7	169.1	170.2	170.6	119.5	116.2	122.9	123.6	124.1
3494,8	Valves, pipe, and pipe fittings	108.7	106.7	110.8	111.1	—	74.6	73.2	76.3	76.6	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2,074.3	2,041.0	2,122.1	2,133.6	2,140.9	1,339.3	1,321.2	1,373.2	1,382.3	1,388.9
351	Engines and turbines	113.2	113.0	114.6	115.7	115.5	73.3	73.4	74.0	75.3	76.2
3511	Steam engines and turbines	42.9	43.2	43.4	43.0	—	22.8	23.1	23.0	22.6	—
3519	Internal combustion engines, nec.	70.2	69.8	71.2	72.7	—	50.5	50.3	51.0	52.7	—
352	Farm machinery	146.2	147.9	146.5	149.0	—	102.2	104.1	102.2	103.9	—
353	Construction and related machinery	337.0	339.4	336.4	339.4	339.5	217.0	222.2	216.0	218.8	219.5
3531,2	Construction and mining machinery	178.8	183.4	173.9	175.8	—	114.7	120.1	110.8	112.7	—
3533	Oil field machinery	69.1	68.9	70.3	71.0	—	48.6	49.7	49.3	49.9	—
3535,6	Conveyors, hoists, cranes, monorails	47.0	45.3	48.4	48.4	—	28.3	27.8	28.6	28.5	—
3537	Industrial trucks and tractors	29.9	28.6	31.9	32.1	—	19.1	17.8	21.1	21.3	—
354	Metal working machinery	309.0	303.2	320.9	321.5	322.5	225.1	220.1	235.2	236.2	237.3
3541	Machine tools, metal cutting types	59.9	59.6	62.4	62.0	—	38.8	38.9	40.2	40.4	—
3544	Special dies, tools, jigs, and fixtures	121.4	117.8	127.8	128.6	—	97.3	93.8	103.0	103.2	—
3545	Machine tool accessories	54.1	52.9	56.1	56.0	—	38.5	37.6	40.1	40.3	—
3542,8	Miscellaneous metal working machinery	73.6	72.9	74.6	74.9	—	50.4	49.8	51.9	52.3	—
355	Special industry machinery	176.1	174.8	178.3	178.0	177.4	112.2	111.0	113.5	113.4	112.9
3551	Food products machinery	40.9	40.2	41.6	41.6	—	26.4	25.9	26.8	26.8	—
3552	Textile machinery	31.1	31.0	31.1	30.5	—	22.3	22.1	22.5	22.0	—
3555	Printing trades machinery	25.0	25.2	25.4	25.8	—	14.7	15.2	14.8	15.0	—
356	General industrial machinery	285.8	280.9	292.1	292.3	294.5	186.6	183.9	191.6	191.8	193.1
3561	Pumps and compressors	81.8	80.5	83.5	83.6	—	48.8	48.0	49.9	50.2	—
3562	Ball and roller bearings	53.4	52.9	54.9	54.7	—	40.7	40.1	42.2	41.9	—
3564	Blowers and fans	34.0	32.2	35.1	35.4	—	21.6	20.6	22.2	22.7	—
3566	Power transmission equipment	47.2	47.8	46.3	46.7	—	33.3	33.9	32.5	32.4	—
357	Office and computing machines	291.9	281.7	306.0	307.5	(*)	116.7	112.4	124.3	124.5	(*)
3573	Electronic computing equipment	219.6	211.4	231.7	233.2	—	73.9	70.4	80.7	80.9	—
358	Service industry machines	163.0	154.1	167.5	168.7	168.6	113.3	105.9	116.7	117.7	115.1
3585	Refrigeration machinery	113.6	107.5	116.8	118.1	—	80.7	75.5	83.6	84.4	—
359	Miscellaneous machinery, except electrical	252.2	246.0	259.8	261.5	263.3	193.0	188.2	199.7	200.7	202.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,831.6	1,779.8	1,876.2	1,867.6	1,872.3	1,210.4	1,166.3	1,245.7	1,237.5	1,246.3
361	Electric test and distributing equipment	192.9	190.1	196.5	196.9	198.3	128.7	125.9	132.3	132.5	133.8
3611	Electric measuring instruments	70.6	68.5	72.2	72.8	—	42.2	40.9	43.8	44.1	—
3612	Transformers	48.0	48.6	48.2	48.5	—	34.1	34.3	34.3	34.5	—
3613	Switchgear and switchboard apparatus	74.3	73.0	76.1	75.6	—	52.3	50.7	54.2	53.9	—
362	Electrical industrial apparatus	212.3	204.5	218.8	217.8	218.6	150.9	143.7	156.5	155.3	156.2
3621	Motors and generators	104.8	101.9	106.9	106.3	—	78.2	75.5	80.0	79.4	—
3622	Industrial controls	66.9	64.1	69.8	69.1	—	43.8	41.3	46.2	45.6	—
363	Household appliances	165.3	160.0	165.8	167.9	168.3	128.6	123.5	128.7	129.8	130.4
3632	Household refrigerators and freezers	35.5	37.4	34.0	36.1	—	26.9	28.8	25.2	27.2	—
3633	Household laundry equipment	24.5	23.6	24.2	23.6	—	19.2	18.1	19.0	17.9	—
3634	Electric housewares and fans	49.1	46.1	50.3	50.7	—	38.8	35.9	39.9	40.4	—
364	Electric lighting and wiring equipment	195.4	186.9	201.1	200.2	202.0	149.8	142.2	154.3	153.1	155.7
3641	Electric lamps	36.7	35.4	37.8	37.8	—	32.6	31.4	33.5	33.4	—
3642	Lighting fixtures	64.0	61.3	65.3	64.6	—	49.2	46.7	50.6	49.9	—
3643,4	Wiring devices	94.7	90.2	98.0	97.8	—	68.0	64.1	70.2	69.8	—
365	Radio and TV receiving equipment	129.3	124.4	129.5	124.6	121.8	94.1	90.1	94.2	89.9	88.5
366	Communication equipment	421.5	421.4	428.0	425.7	(*)	209.2	208.5	214.0	212.8	(*)
3661	Telephone and telegraph apparatus	133.5	132.6	138.8	139.0	—	86.7	84.0	92.9	93.1	—
3662	Radio and TV communication equipment	288.0	288.8	289.2	286.7	—	122.5	124.5	121.1	119.7	—
367	Electronic components and accessories	372.0	357.1	384.0	382.7	384.5	239.1	228.1	246.7	245.7	248.4
3671,3	Electron tubes	42.0	42.1	41.7	41.8	—	27.5	27.5	27.0	26.8	—
3674,9	Other electronic components	330.0	315.0	342.3	340.9	—	211.7	200.6	219.7	218.9	—
369	Miscellaneous electrical equipment and supplies	143.0	135.4	152.5	151.8	151.4	110.0	104.3	119.0	118.4	117.5
3694	Engine electrical equipment	74.0	69.6	80.3	79.9	—	58.3	54.7	64.4	64.1	—
37	TRANSPORTATION EQUIPMENT	1,733.0	1,693.0	1,778.6	1,768.8	1,739.5	1,226.2	1,193.3	1,263.3	1,255.5	1,227.4
371	Motor vehicles and equipment	850.6	824.0	891.0	878.6	(*)	661.8	642.1	697.4	687.0	(*)
3711	Motor vehicles	353.9	346.6	375.0	365.2	—	263.5	258.4	282.5	274.7	—
3712	Passenger car bodies	46.0	46.6	49.3	49.1	—	36.2	36.9	39.2	38.4	—
3713	Truck and bus bodies	39.0	37.2	39.6	39.6	—	29.7	28.5	30.2	30.3	—
3714	Motor vehicle parts and accessories	390.2	375.3	403.5	401.1	—	316.5	305.2	327.5	325.6	—
3715	Truck trailers	21.5	18.3	23.6	23.6	—	16.0	13.1	18.0	18.0	—
372	Aircraft and parts	484.8	500.1	484.5	483.8	(*)	250.0	262.6	248.4	249.0	(*)
3721	Aircraft	261.7	269.0	262.0	261.0	—	124.5	130.2	123.1	123.5	—
3722	Aircraft engines and engine parts	131.6	135.5	131.9	132.5	—	70.7	73.9	71.2	71.3	—
3723,9	Other aircraft parts and equipment	91.4	95.6	90.6	90.3	—	54.9	58.5	54.1	54.2	—
373	Ship and boat building and repairing	213.6	206.3	221.3	(*)	(*)	170.3	164.3	176.8	(*)	(*)
3731	Ship building and repairing	166.8	162.7	172.0	(*)	—	131.9	128.7	136.4	(*)	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
DURABLE GOODS—Continued											
TRANSPORTATION EQUIPMENT—Continued											
3732	Boat building and repairing	46.8	43.6	49.3	49.5	—	38.4	35.6	40.4	40.5	—
374	Railroad equipment	42.9	46.5	45.5	45.3	—	31.3	34.5	33.7	33.4	—
375,9	Other transportation equipment	141.1	116.1	136.3	140.7	—	112.8	89.8	107.0	110.2	—
38	INSTRUMENTS AND RELATED PRODUCTS	509.4	495.4	518.7	518.1	518.5	310.1	299.5	316.9	316.3	317.6
381	Engineering and scientific instruments	59.1	59.6	58.6	59.0	—	28.6	29.1	28.0	28.1	—
382	Mechanical measuring and control devices	117.4	113.5	119.5	119.9	120.3	74.8	72.0	76.3	76.4	77.5
3821	Mechanical measuring devices	76.6	75.6	78.7	78.6	—	45.6	44.6	47.5	47.3	—
3822	Automatic temperature controls	40.8	37.9	40.8	41.3	—	29.3	27.4	28.8	29.1	—
383,5	Optical and ophthalmic goods	64.0	61.2	66.9	67.0	66.5	43.4	41.7	45.6	46.4	46.0
385	Ophthalmic goods	41.7	40.0	42.6	43.0	—	30.5	29.2	31.3	32.0	—
384	Medical instruments and supplies	108.8	105.4	112.1	112.6	112.5	73.0	70.6	75.2	75.6	75.2
386	Photographic equipment and supplies	129.6	126.2	131.0	130.0	129.4	65.9	62.6	67.7	66.5	66.6
387	Watches, clocks, and watchcases	30.5	29.5	30.6	29.6	—	24.3	23.5	24.1	23.3	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	INDUSTRIES	420.9	399.9	410.6	403.7	409.3	321.9	303.6	311.4	304.9	311.4
391	Jewelry, silverware, and plated ware	53.9	51.4	55.4	53.8	54.5	39.7	37.6	41.1	39.4	39.6
394	Toys and sporting goods	119.9	104.6	111.2	109.8	—	92.6	78.6	84.2	82.5	—
3941-3	Games, toys, dolls, and play vehicles	64.7	52.7	55.7	53.9	—	48.2	37.3	39.7	37.8	—
3949	Sporting and athletic goods, nec	55.3	51.9	55.5	55.9	—	44.4	41.3	44.5	44.7	—
395	Pens, pencils, office, and art supplies	34.2	34.4	33.5	33.0	—	24.1	24.3	23.7	23.4	—
396	Costume jewelry and notions	53.8	54.0	52.7	51.1	—	43.8	43.7	42.5	41.1	—
393,9	Other manufacturing industries	159.0	155.5	157.8	156.0	156.0	121.7	119.4	119.9	118.5	119.7
393	Musical instruments and parts	24.1	24.4	23.7	23.5	—	19.8	20.2	19.3	19.1	—
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	FOOD AND KINDRED PRODUCTS	1,709.5	1,637.2	1,694.3	1,659.1	1,643.7	1,163.9	1,099.1	1,144.8	1,111.9	1,098.1
201	Meat products	351.3	340.8	362.0	353.4	348.3	288.5	279.0	298.5	290.6	285.9
2011	Meat packing plants	170.0	168.2	174.7	172.7	—	136.6	135.6	140.8	139.2	—
2013	Sausages and other prepared meats	66.7	66.1	68.1	67.6	—	47.3	46.5	48.9	48.3	—
2015	Poultry dressing plants	114.6	106.5	119.2	113.1	—	104.6	96.9	108.8	103.1	—
202	Dairy products	193.9	189.9	190.6	188.5	187.6	101.0	97.6	97.9	97.3	97.0
2024	Ice cream and frozen desserts	22.8	21.0	20.8	20.2	—	12.4	11.3	10.5	10.7	—
2026	Fluid milk	124.5	124.0	123.7	123.0	—	53.7	53.0	52.9	52.4	—
203	Canned, cured, and frozen foods	299.4	251.5	259.2	244.6	—	249.8	204.1	208.8	195.4	—
2031,6	Canned, cured, and frozen sea foods	45.4	43.9	43.2	39.0	—	39.5	38.2	37.4	33.6	—
2032,3	Canned food, except sea foods	139.9	103.0	108.3	104.7	—	114.8	78.8	82.3	79.1	—
2037	Frozen fruits and vegetables	67.4	62.1	64.5	59.7	—	58.8	53.9	55.8	51.1	—
204	Grain mill products	143.6	139.3	147.4	147.3	146.5	100.1	97.8	102.1	101.8	102.4
2041	Flour and other grain mill products	26.6	26.1	27.5	27.5	—	18.9	18.7	19.5	18.5	—
2042	Prepared feeds for animals and fowls	74.3	72.5	75.8	75.5	—	48.9	48.5	49.4	49.9	—
205	Bakery products	240.9	236.1	242.6	239.8	238.1	138.8	134.9	140.6	138.5	136.1
2051	Bread, cake, and related products	199.8	195.5	201.2	198.7	—	106.2	102.8	107.6	105.6	—
2052	Cookies and crackers	41.2	40.6	41.4	41.1	—	32.6	32.1	33.0	32.9	—
206	Sugar	35.0	40.6	40.3	38.3	—	26.6	32.0	32.5	30.4	—
207	Confectionery and related products	77.1	75.5	80.7	77.1	(*)	58.9	57.7	62.3	59.1	(*)
2071	Confectionery products	56.7	56.0	59.8	55.4	—	44.4	43.7	47.4	43.7	—
208	Beverages	223.1	217.5	224.7	224.3	219.9	106.4	102.3	107.0	104.9	100.4
2082	Malt liquors	47.0	48.0	48.4	48.1	—	32.8	31.8	34.5	34.1	—
2086	Bottled and canned soft drinks	131.9	125.8	132.2	131.3	—	48.1	45.2	47.3	46.5	—
209	Miscellaneous foods and kindred products	145.2	146.0	146.8	145.8	145.5	93.8	93.7	95.1	93.9	92.3
21	TOBACCO MANUFACTURES	76.4	79.1	79.4	74.1	70.0	63.3	65.8	66.5	61.1	56.6
211	Cigarettes	45.7	46.1	45.3	44.6	—	37.3	37.7	37.2	36.4	—
212	Cigars	10.4	11.1	10.0	9.9	—	9.1	9.8	8.6	8.6	—
22	TEXTILE MILL PRODUCTS	966.2	955.6	962.8	957.7	962.2	843.5	834.4	838.5	834.1	838.4
221	Weaving mills, cotton	174.6	173.9	175.1	174.3	173.4	158.7	158.2	158.8	158.2	157.5
222	Weaving mills, synthetics	122.6	121.9	123.5	121.3	121.3	109.6	109.1	110.1	109.0	109.0
223	Weaving and finishing mills, wool	22.6	22.1	22.9	23.1	23.5	18.9	18.3	19.2	19.4	19.7
224	Narrow fabric mills	26.3	25.8	25.4	25.6	26.0	22.9	22.4	22.0	22.1	22.5
225	Knitting mills	259.0	251.8	256.1	254.6	258.8	222.6	215.9	219.5	217.8	221.4
2251	Women's hosiery, except socks	38.5	38.2	39.3	39.7	—	33.9	33.7	34.5	34.7	—
2252	Hosiery, nec	34.6	33.4	34.1	33.5	—	30.8	29.7	30.2	29.8	—
2253	Knit outerwear mills	76.5	71.6	75.5	73.8	—	64.9	59.8	63.9	62.5	—
2254	Knit underwear mills	39.5	38.1	39.6	39.5	—	34.4	33.5	34.3	34.0	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
NONDURABLE GOODS—Continued											
TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	81.7	82.4	79.3	78.6	78.5	69.4	70.2	67.2	66.5	66.7
227	Floor covering mills	60.1	58.7	60.6	60.6	—	47.4	46.4	48.0	47.8	—
228	Yarn and thread mills	153.6	153.3	152.8	152.6	154.7	140.5	140.2	139.7	139.6	141.3
229	Miscellaneous textile goods	65.9	65.7	67.1	67.0	65.5	53.5	53.7	54.0	53.7	52.3
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,299.2	1,284.7	1,266.9	1,253.2	1,276.5	1,117.3	1,106.0	1,085.0	1,072.0	1,097.2
231	Men's and boys' suits and coats	88.7	87.9	89.4	88.1	87.4	78.0	76.9	78.7	77.7	77.1
232	Men's and boys' furnishings	382.5	376.3	376.5	374.6	(*)	328.0	323.4	320.4	319.0	(*)
2321	Men's and boys' shirts and nightwear	117.9	115.9	114.7	113.8	—	102.8	101.2	99.6	98.6	—
2327	Men's and boys' separate trousers	86.3	86.6	85.0	85.4	—	75.4	76.1	73.7	74.1	—
2328	Men's and boys' work clothing	93.5	92.9	94.7	94.6	—	77.0	77.0	77.4	76.9	—
233	Women's and misses' outerwear	389.0	393.5	367.3	364.1	(*)	340.8	345.5	320.5	317.2	(*)
2331	Women's and misses' blouses and waists	49.2	50.9	46.2	46.4	—	43.4	45.0	40.6	40.8	—
2335	Women's and misses' dresses	169.7	169.8	158.2	156.6	—	151.6	152.0	140.7	139.0	—
2337	Women's and misses' suits and coats	56.9	56.5	52.7	50.7	—	48.3	47.7	44.2	42.1	—
2339	Women's and misses' outerwear, nec	113.3	116.3	110.2	110.4	—	97.5	100.8	95.0	95.3	—
234	Women's and children's undergarments	101.2	98.3	99.2	97.0	99.5	85.9	83.5	84.0	81.7	84.4
2341	Women's and children's underwear	76.4	73.9	74.7	73.1	—	66.1	63.8	64.5	62.8	—
2342	Corsets and allied garments	24.8	24.4	24.5	23.9	—	19.8	19.7	19.5	18.9	—
235	Hats, caps, and millinery	15.8	15.6	16.1	15.7	—	13.7	13.7	14.1	13.8	—
236	Children's outerwear	77.2	76.0	73.3	74.6	77.4	66.3	65.5	62.4	63.7	66.7
2361	Children's dresses and blouses	31.1	30.7	30.5	30.5	—	28.0	27.6	27.4	27.4	—
237,8	Fur goods and miscellaneous apparel	67.2	64.5	66.2	64.6	—	57.9	55.8	56.9	55.0	—
239	Miscellaneous fabricated textile products	177.7	172.6	178.9	174.5	172.2	146.7	141.7	148.0	143.9	141.7
2391,2	Housefurnishings	76.1	75.3	75.9	73.8	—	63.8	63.2	63.8	61.8	—
26	PAPER AND ALLIED PRODUCTS	676.0	659.6	683.9	678.7	677.5	512.1	498.0	516.5	513.6	512.8
261,2,6	Paper and pulp mills	199.4	195.7	199.9	198.7	197.1	152.5	149.1	152.8	152.1	150.4
263	Paperboard mills	70.1	68.7	71.0	71.8	72.1	55.7	54.4	56.0	56.7	56.7
264	Miscellaneous converted paper products	197.4	192.3	200.8	198.7	199.7	141.4	137.7	143.0	142.6	144.9
2643	Bags, except textile bags	43.1	42.4	44.2	44.0	—	34.5	34.2	35.3	35.0	—
265	Paperboard containers and boxes	209.2	202.9	212.2	209.5	208.6	162.5	156.8	164.7	162.2	160.8
2651,2	Folding and setup paperboard boxes	59.3	56.9	60.4	58.3	—	48.1	45.6	49.2	47.0	—
2653	Corrugated and solid fiber boxes	101.4	98.5	103.5	102.7	—	74.9	72.7	76.4	75.8	—
2654	Sanitary food containers	30.6	29.7	30.3	30.5	—	25.3	24.3	24.9	25.2	—
27	PRINTING AND PUBLISHING	1,080.0	1,068.6	1,097.3	1,090.8	1,093.4	630.0	626.6	638.1	629.8	629.0
271	Newspapers	382.8	376.1	390.9	389.1	391.2	166.7	165.5	169.0	167.0	167.6
272	Periodicals	69.9	69.8	71.0	71.5	—	18.6	18.1	19.7	19.3	—
273	Books	87.8	87.1	88.8	88.8	—	46.8	46.9	47.1	47.0	—
275	Commercial printing	359.1	358.2	363.8	359.6	356.8	269.7	269.4	272.6	268.6	263.4
2751	Commercial printing, except lithographic	203.4	201.2	207.0	204.7	—	155.0	153.3	157.1	155.4	—
2752	Commercial printing, lithographic	145.5	146.5	146.6	144.7	—	107.0	108.3	107.7	105.4	—
278	Blankbooks and bookbinding	50.2	48.4	49.6	49.8	51.0	40.9	39.6	40.5	40.2	41.5
274,6,7,9	Other publishing and printing ind	130.2	129.0	133.2	132.0	132.8	87.3	87.1	89.2	87.7	88.7
28	CHEMICALS AND ALLIED PRODUCTS	1,033.6	1,016.3	1,038.5	1,040.3	1,048.1	589.1	578.1	589.6	591.0	597.6
281	Industrial chemicals	335.9	328.3	339.9	339.5	339.8	179.6	174.8	180.9	180.4	179.6
2812	Alkalies and chlorine	21.5	21.4	21.2	20.6	—	15.8	15.6	15.7	14.9	—
2818	Industrial organic chemicals, nec	139.1	136.0	140.8	141.1	—	61.4	58.9	63.5	64.5	—
2819	Industrial inorganic chemicals, nec	110.0	108.0	111.8	111.8	—	60.9	60.8	59.9	59.7	—
282	Plastics materials and synthetics	204.8	205.7	202.4	205.8	207.6	136.4	137.3	134.6	138.3	140.7
2821	Plastics materials and resins	87.9	85.9	89.2	89.0	—	54.9	52.6	55.8	55.7	—
2823,4	Synthetic fibers	104.8	107.6	100.1	103.6	—	72.8	76.0	68.9	72.6	—
283	Drugs	168.2	164.7	170.8	171.0	171.6	83.7	82.5	85.2	85.0	84.7
2834	Pharmaceutical preparations	134.2	131.5	136.4	136.7	—	64.6	64.0	65.6	65.9	—
284	Soap, cleaners, and toilet goods	121.8	118.2	124.7	122.6	(*)	71.7	68.1	74.0	72.1	(*)
2841	Soap and other detergents	38.4	38.7	40.6	40.0	—	25.4	25.9	27.2	26.6	—
2844	Toilet preparations	50.1	46.7	50.3	48.8	—	29.1	25.9	28.9	27.7	—
285	Paints and allied products	66.3	63.9	65.6	65.6	64.9	35.5	33.9	34.2	34.1	33.6
287	Agricultural chemicals	56.1	55.1	54.9	56.0	58.9	34.6	34.2	33.6	34.5	37.7
2871,2	Fertilizers, complete and mixing only	33.5	33.0	32.4	32.9	—	23.1	22.8	22.0	22.4	—
286,9	Other chemical products	80.6	80.4	80.2	79.8	80.0	47.6	47.3	47.1	46.6	46.6
2892	Explosives	14.9	16.4	13.5	13.5	—	9.5	10.5	8.5	8.6	—
29	PETROLEUM AND COAL PRODUCTS	202.8	197.8	202.5	200.4	199.6	131.4	126.7	130.8	129.0	130.8
291	Petroleum refining	157.1	156.3	157.1	156.2	155.6	97.8	97.0	97.9	97.2	99.0
295,9	Other petroleum and coal products	45.8	41.5	45.4	44.2	44.0	33.6	29.7	32.9	31.8	31.8

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	614.2	608.6	650.0	648.8	656.2	474.7	470.9	507.5	507.1	514.9
301	Tires and inner tubes	97.8	117.7	119.8	119.5	120.2	66.4	85.2	87.7	88.2	90.0
302,36	Other rubber products	165.2	160.1	172.4	170.6	169.7	129.1	125.2	135.6	133.9	132.9
302	Rubber footwear	22.0	22.8	22.3	22.0	—	18.5	19.3	19.0	18.8	—
307	Miscellaneous plastics products	351.2	330.8	357.8	358.7	(*)	279.2	260.5	284.2	285.0	(*)
31	LEATHER AND LEATHER PRODUCTS	271.5	270.3	263.3	260.4	263.8	233.7	233.3	223.8	222.4	225.6
311	Leather tanning and finishing	24.0	24.3	22.9	22.8	23.2	20.7	21.0	19.4	19.4	19.8
314	Footwear, except rubber	169.9	171.1	163.0	163.1	164.6	148.5	149.8	141.0	141.8	143.7
312,3,5-7,9	Other leather products	77.6	74.9	77.4	74.5	76.0	64.6	62.5	63.4	61.2	62.1
316	Luggage	17.9	16.7	17.4	16.1	—	14.1	13.2	13.5	12.6	—
317	Handbags and personal leather goods	35.9	34.9	35.8	34.7	—	30.1	29.3	29.6	28.9	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,509	4,440	4,553	4,499	4,503	3,862	3,804	3,896	3,843	3,845
40	RAILROAD TRANSPORTATION	527.5	513.4	528.6	522.8	—	—	—	—	—	—
4011	Class 1 railroads ²	489.5	476.3	491.3	485.9	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	268.1	277.6	276.6	276.6	—	—	—	—	—	—
411	Local and suburban transportation	69.0	71.7	67.7	69.8	—	63.5	66.7	61.9	64.5	—
412	Taxicabs	77.4	79.6	76.3	76.8	—	—	—	—	—	—
413	Intercity highway transportation	39.5	38.8	40.1	39.8	—	35.6	34.9	36.5	35.9	—
42	TRUCKING AND WAREHOUSING	1,096.1	1,056.4	1,117.8	1,077.2	—	977.1	940.6	993.5	954.3	—
421,3	Trucking and trucking terminals	1,008.5	970.1	1,022.6	986.0	—	902.1	866.7	910.9	876.0	—
422	Public warehousing	87.6	86.3	95.2	91.2	—	75.0	73.9	82.6	78.3	—
45	TRANSPORTATION BY AIR	370.3	367.1	374.0	372.3	—	—	—	—	—	—
451,2	Air transportation	335.3	332.0	338.1	336.9	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	16.7	16.6	16.5	16.4	—	12.4	12.4	12.0	12.0	—
44,47	OTHER TRANSPORTATION AND SERVICES	343.3	325.9	350.5	351.2	—	—	—	—	—	—
44	WATER TRANSPORTATION	197.0	186.1	200.9	200.7	—	—	—	—	—	—
47	TRANSPORTATION SERVICES	146.2	139.8	149.6	150.5	—	—	—	—	—	—
48	COMMUNICATION	1,151.7	1,152.4	1,153.3	1,151.8	—	885.8	886.6	886.4	884.2	—
481	Telephone communication	943.0	947.0	940.2	939.9	—	717.4	721.9	714.2	712.9	—
482	Telegraph communication ³	(*)	17.5	(*)	(*)	—	(*)	12.6	(*)	(*)	—
483	Radio and television broadcasting	157.4	154.8	160.5	159.3	—	126.1	123.4	127.8	126.5	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	735.6	730.1	735.2	731.1	—	611.6	608.6	608.6	604.3	—
491	Electric companies and systems	314.9	314.4	314.7	314.7	—	259.5	259.9	258.7	258.9	—
492	Gas companies and systems	159.5	158.9	157.5	155.4	—	131.2	130.7	129.2	127.5	—
493	Combination companies and systems	194.2	192.4	194.7	192.4	—	163.4	163.4	161.9	159.0	—
494-7	Water, steam, and sanitary systems	67.0	64.4	68.3	68.6	—	57.4	54.6	58.8	58.9	—
—	WHOLESALE AND RETAIL TRADE	17,694	17,205	18,559	17,795	17,687	15,641	15,188	16,461	15,695	15,581
50	WHOLESALE TRADE	4,263	4,189	4,326	4,296	4,308	3,529	3,464	3,583	3,545	3,559
501	Motor vehicles and automotive equipment	379.9	371.5	385.2	384.7	—	310.1	302.7	313.8	312.6	—
502	Drugs, chemicals, and allied products	240.9	237.9	242.4	239.4	—	191.9	190.4	192.5	190.2	—
503	Dry goods and apparel	155.6	152.6	156.6	156.5	—	121.5	119.5	121.7	120.4	—
504	Groceries and related products	621.2	610.7	631.9	619.5	—	541.2	531.9	549.9	535.4	—
506	Electrical goods	319.1	317.6	323.5	324.0	—	268.8	267.1	271.6	271.2	—
507	Hardware; plumbing and heating equipment	186.0	182.5	189.3	188.4	—	154.4	150.6	157.4	156.1	—
508	Machinery, equipment, and supplies	886.1	872.0	896.1	899.6	—	731.1	719.3	741.3	744.6	—
509	Miscellaneous wholesalers	1,363.8	1,334.8	1,385.3	1,371.3	—	1,119.0	1,091.9	1,139.0	1,121.7	—
52-59	RETAIL TRADE	13,431	13,016	14,233	13,499	13,379	12,113	11,724	12,878	12,150	12,022
53	Retail General Merchandise	2,508.2	2,501.6	2,898.6	(*)	—	2,307.1	2,298.1	2,699.6	(*)	—
531	Department stores	1,702.2	1,705.4	1,990.2	(*)	—	1,575.2	1,576.7	1,864.1	(*)	—
532	Mail order houses	117.3	123.2	136.1	118.5	—	110.0	115.7	129.3	112.6	—
533	Variety stores	308.9	302.0	365.3	313.4	—	289.1	280.0	337.2	292.4	—
54	FOOD STORES	2,061.1	2,042.0	2,136.8	2,094.7	—	1,907.3	1,893.1	1,975.5	1,933.8	—
541-3	Grocery, meat, and vegetable stores	1,876.8	1,863.3	1,941.1	1,907.9	—	1,736.9	1,727.7	1,794.3	1,761.9	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^p	Feb. 1977 ^p	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^p	Feb. 1977 ^p
-	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	804.7	809.5	910.9	821.5	-	703.9	710.3	805.2	714.9	-
561	Men's and boys' clothing and furnishings	141.7	145.6	165.1	156.1	-	123.6	127.7	146.6	127.7	-
562	Women's ready-to-wear stores	298.4	299.0	334.2	300.2	-	262.9	263.9	297.2	262.7	-
565	Family clothing stores	127.1	130.3	151.0	129.0	-	115.1	118.5	137.7	115.9	-
566	Shoe stores	164.3	162.9	177.6	170.1	-	137.8	137.0	150.1	142.0	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	532.5	523.9	554.8	541.9	-	450.1	443.7	470.8	458.3	-
571	Furniture and home furnishings	322.3	318.4	329.8	324.6	-	274.6	271.4	281.4	276.8	-
58	EATING AND DRINKING PLACES	3,623.9	3,341.7	3,677.3	3,589.7	-	3,380.3	3,110.6	3,426.2	3,343.5	-
52,55,59	OTHER RETAIL TRADE	3,900.6	3,797.7	4,054.4	3,932.9	-	3,363.7	3,268.1	3,501.1	3,377.4	-
52	Building materials and farm equipment	628.5	604.5	634.5	615.6	-	537.4	513.5	543.0	523.4	-
55	Automotive dealers and service stations	1,743.1	1,701.6	1,757.1	1,746.3	-	-	-	-	-	-
551,2	Motor vehicle dealers	785.9	771.2	795.7	797.5	-	656.1	642.2	663.8	664.3	-
553,9	Other automotive and accessory dealers	330.2	313.6	332.2	325.1	-	278.3	262.2	279.4	271.6	-
554	Gasoline service stations	627.0	616.8	629.2	623.7	-	-	-	-	-	-
59	Miscellaneous retail stores	1,529.0	1,491.6	1,662.8	1,571.0	-	-	-	-	-	-
591	Drug stores and proprietary stores	477.7	479.1	500.5	487.9	-	425.7	427.7	445.9	433.8	-
594	Book and stationery stores	80.7	78.8	86.2	84.5	-	68.4	67.0	73.5	72.3	-
596	Farm and garden supply stores	138.3	129.2	140.4	137.4	-	-	-	-	-	-
598	Fuel and ice dealers	100.6	107.7	107.6	109.8	-	85.5	92.7	92.3	94.3	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,316	4,223	4,385	4,381	4,400	3,293	3,212	3,347	3,340	3,360
60	Banking	1,299.2	1,283.1	1,316.0	1,317.5	-	1,024.2	1,010.2	1,036.3	1,034.9	-
61	Credit agencies other than banks	463.1	449.2	478.0	478.4	-	355.4	343.0	368.6	367.9	-
612	Savings and loan associations	185.5	176.3	194.7	196.0	-	149.2	141.1	156.5	156.8	-
614	Personal credit institutions	195.0	192.3	198.8	197.6	-	-	-	-	-	-
62	Security, commodity brokers and services	175.6	170.8	177.4	177.2	-	143.2	138.8	144.6	144.0	-
63	Insurance carriers	1,111.3	1,095.5	1,127.2	1,127.6	-	750.3	737.3	762.7	765.4	-
631	Life insurance	515.6	513.0	517.7	517.2	-	295.7	295.5	296.3	297.6	-
632	Accident and health insurance	121.4	119.4	123.2	123.0	-	99.6	98.9	100.5	100.4	-
633	Fire, marine, and casualty insurance	413.4	404.9	422.9	424.0	-	304.7	295.4	313.5	315.0	-
64	Insurance agents, brokers, and service	341.7	332.5	349.5	351.4	-	-	-	-	-	-
65	Real estate	809.1	777.7	822.2	813.8	-	-	-	-	-	-
655	Subdividers and developers	114.7	104.8	109.6	106.7	-	-	-	-	-	-
656	Operative builders	56.5	52.4	58.1	56.9	-	-	-	-	-	-
66,67	Other finance, insurance, and real estate	115.6	114.2	114.9	115.5	-	-	-	-	-	-
-	SERVICES	14,644	14,804	14,861	14,737	14,878	13,191	12,681	13,377	13,250	13,365
70	Hotels and other lodging places	1,058.4	960.6	1,025.9	(*)	-	-	-	-	-	-
701	Hotels, tourist courts, and motels	863.8	793.4	840.2	(*)	-	804.6	734.0	775.2	(*)	-
72	Personal services	821.4	824.5	814.0	804.6	-	-	-	-	-	-
721	Laundries and dry cleaning plants	351.9	352.9	348.7	346.8	-	315.0	315.9	312.6	310.6	-
722	Photographic studios	44.5	42.6	44.9	42.4	-	39.2	37.1	40.1	37.9	-
73	Miscellaneous business services	2,118.5	2,036.7	2,189.5	2,170.7	-	-	-	-	-	-
731	Advertising	125.3	120.5	128.8	129.1	-	-	-	-	-	-
732	Credit reporting and collection	81.3	78.2	83.8	84.0	-	-	-	-	-	-
734	Services to buildings	409.9	397.3	418.6	421.5	-	-	-	-	-	-
76	Miscellaneous repair services	219.8	216.9	225.1	224.3	-	-	-	-	-	-
78	Motion pictures	202.5	192.8	190.2	(*)	-	-	-	-	-	-
781	Motion picture filming and distributing	64.3	63.1	63.0	62.0	-	48.6	47.7	49.6	49.4	-
782,3	Motion picture theaters and services	138.2	129.7	127.2	(*)	-	-	-	-	-	-
80	Medical and other health services	4,440.7	4,304.0	4,563.3	4,571.0	-	-	-	-	-	-
806	Hospitals	2,387.6	2,328.8	2,436.0	2,444.2	-	2,179.3	2,129.7	2,221.9	2,229.5	-
81	Legal services	369.4	351.2	384.9	383.5	-	-	-	-	-	-
82	Educational services	1,258.5	1,261.3	1,334.3	(*)	-	-	-	-	-	-
821	Elementary and secondary schools	406.6	420.7	428.8	431.5	-	-	-	-	-	-
822	Colleges and universities	680.2	676.3	724.4	(*)	-	-	-	-	-	-
89	Miscellaneous services	906.1	888.8	931.1	942.9	-	-	-	-	-	-
891	Engineering and architectural services	410.5	399.6	423.0	424.3	-	-	-	-	-	-
892	Nonprofit research agencies	150.9	143.9	156.7	159.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
—	GOVERNMENT	14,948	14,903	15,261	15,069	15,239	—	—	—	—	—
91	FEDERAL GOVERNMENT ⁵	2,733	2,724	2,725	2,697	2,703	—	—	—	—	—
	Executive	2,683.8	2,675.6	2,674.5	2,645.8	—	—	—	—	—	
	Department of Defense	929.4	941.1	919.6	918.4	—	—	—	—	—	
	Postal Service	670.9	677.9	685.7	650.0	—	—	—	—	—	
	Other agencies	1,083.5	1,056.6	1,069.2	1,077.4	—	—	—	—	—	
	Legislative	38.4	37.5	38.4	39.2	—	—	—	—	—	
	Judicial	11.1	10.7	11.9	12.0	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,215	12,179	12,536	12,372	12,536	—	—	—	—	
92	State government	3,245.1	3,205.2	3,368.4	3,312.6	—	—	—	—	—	
	State education	1,367.8	1,357.0	1,480.7	1,420.0	—	—	—	—	—	
	Other State government	1,877.3	1,848.2	1,887.7	1,892.6	—	—	—	—	—	
93	Local government	8,969.6	8,974.0	9,168.0	9,059.1	—	—	—	—	—	
	Local education	4,985.7	5,081.0	5,253.7	5,178.0	—	—	—	—	—	
	Other local government	3,984.0	3,893.0	3,914.3	3,881.1	—	—	—	—	—	

¹ Data relate to production and related 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 services.

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. 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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
--	TOTAL	30,026	38	30,157	39	31,498	40
--	PRIVATE SECTOR	23,756	37	23,607	38	24,842	39
--	MINING	45	6	52	7	58	7
10	METAL MINING	3.7	4	4.3	5	5.0	5
11,12	COAL MINING	3.0	2	3.8	2	4.7	2
13	OIL AND GAS EXTRACTION	32.0	11	37.4	11	41.2	11
131,2	Crude petroleum and natural gas fields	21.4	14	24.3	15	26.1	16
138	Oil and gas field services	10.6	7	13.1	7	15.1	8
14	NONMETALLIC MINERALS, EXCEPT FUELS	6.3	5	6.5	6	6.7	6
142	Crushed and broken stone	2.1	5	2.1	5	2.2	6
144	Sand and gravel	1.8	5	1.9	5	2.0	6
--	CONTRACT CONSTRUCTION	234	6	231	7	245	7
15	GENERAL BUILDING CONTRACTORS	75.1	6	73.5	7	77.3	7
16	HEAVY CONSTRUCTION CONTRACTORS	38.5	5	38.2	5	41.3	6
161	Highway and street construction	13.0	4	12.7	4	13.7	5
162	Heavy construction, nec	25.4	6	25.4	6	27.6	7
17	SPECIAL TRADE CONTRACTORS	120.7	6	119.2	7	126.2	7
171	Plumbing, heating, air conditioning	36.0	8	35.6	8	36.5	9
172	Painting, paper hanging, decorating	8.6	6	7.9	6	8.5	7
173	Electrical work	19.6	6	19.7	6	20.5	6
174	Masonry, stonework, and plastering	10.1	4	9.3	5	9.6	5
176	Roofing and sheet metal work	7.8	6	8.1	7	8.9	7
--	MANUFACTURING	5,819	29	5,259	29	5,590	29
19,24,25,32-39	DURABLE GOODS	2,606	22	2,274	21	2,446	22
20-23,26-31	NONDURABLE GOODS	3,213	39	2,985	39	3,144	40
	DURABLE GOODS						
19	ORDNANCE AND ACCESSORIES	43.1	24	41.5	24	36.5	23
192	Ammunition, except for small arms	31.7	26	28.7	25	24.3	24
1925	Complete guided missiles	18.8	21	19.5	22	18.3	21
1929	Ammunition, except for small arms, nec	12.9	39	9.2	38	6.0	34
24	LUMBER AND WOOD PRODUCTS	76.0	12	68.4	12	77.4	13
241	Logging camps, and logging contractors	3.8	5	3.9	5	4.2	6
242	Sawmills and planing mills	15.5	7	14.2	7	15.9	8
2421	Sawmills and planing mills, general	11.2	6	10.6	6	11.7	7
243	Millwork, plywood and related products	27.0	14	24.9	14	29.2	14
2431	Millwork	14.2	17	13.7	18	16.4	18
2432	Veneer and plywood	9.4	13	8.1	12	9.5	13
244	Wooden containers	5.4	21	4.2	20	4.3	20
2441,2	Wooden boxes, shooks, and crates	4.6	22	3.5	20	3.5	20
249	Miscellaneous wood products	24.3	24	21.4	24	23.8	25
25	FURNITURE AND FIXTURES	146.1	28	125.4	28	136.9	28
251	Household furniture	114.7	31	98.3	31	109.1	31
2511	Wood household furniture	56.2	30	47.7	29	53.3	29
2512	Upholstered household furniture	35.3	34	31.3	34	35.2	34
2515	Mattresses and bedsprings	10.8	29	9.3	29	9.5	28
252	Office furniture	8.2	19	6.9	19	7.1	19
254	Partitions and fixtures	8.1	15	7.6	16	8.1	15
253,9	Other furniture and fixtures	15.1	30	12.8	29	12.7	28
32	STONE, CLAY, AND GLASS PRODUCTS	117.8	17	105.3	17	112.2	18
321	Flat glass	1.8	8	1.3	8	1.4	9
322	Glass and glassware, pressed or blown	45.6	34	42.5	34	45.0	34
3221	Glass containers	26.6	36	26.2	36	27.7	36
3229	Pressed and blown glass nec	19.0	31	16.4	31	17.3	32
324	Cement, hydraulic	1.3	4	1.3	4	1.3	4
325	Structural clay products	6.7	12	5.6	12	5.6	12
3251	Brick and structural clay tile	1.3	5	1.1	5	1.2	6
326	Pottery and related products	16.5	34	13.8	33	14.7	34
327	Concrete, gypsum, and plaster products	12.5	6	11.8	6	12.1	6
328,9	Other stone and nonmetallic mineral products	22.7	15	19.9	15	21.7	16
3291	Abrasive products	5.9	21	5.2	22	5.4	22

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
DURABLE GOODS—Continued							
33	PRIMARY METAL INDUSTRIES	104.5	8	92.2	8	101.3	9
331	Blast furnace and basic steel products	29.6	5	27.8	5	29.3	5
3312	Blast furnaces and steel mills	22.1	4	21.6	5	23.2	5
332	Iron and steel foundries	13.6	5	12.9	6	13.0	6
3321	Gray iron foundries	7.0	4	6.0	4	6.6	5
3322	Malleable iron foundries	1.2	5	1.1	5	1.2	6
3323	Steel foundries	5.4	8	5.8	9	5.2	9
333,4	Nonferrous metals	4.2	5	3.9	5	4.4	5
3334	Primary aluminum	1.0	3	.9	3	1.2	4
335	Nonferrous rolling and drawing	37.3	17	31.2	17	36.4	19
3351	Copper rolling and drawing	3.5	8	2.8	9	3.0	8
3352	Aluminum rolling and drawing	7.6	11	6.7	12	7.2	12
3357	Nonferrous wire drawing and insulating	23.0	26	19.3	25	21.8	28
336	Nonferrous foundries	13.7	15	10.8	14	12.1	15
3361	Aluminum castings	6.3	12	5.0	12	5.8	13
3362,9	Other nonferrous castings	7.4	18	5.8	17	6.3	18
339	Miscellaneous primary metal products	6.2	8	5.6	8	6.1	8
3391	Iron and steel forgings	3.0	6	3.1	6	3.2	7
34	FABRICATED METAL PRODUCTS	284.3	19	247.0	18	273.7	20
341	Metal cans	12.4	17	10.6	17	10.4	17
342	Cutlery, hand tools, and hardware	57.2	33	50.1	32	56.3	34
3421,3,5	Cutlery and hand tools, including saws	22.2	29	19.7	29	21.4	30
3429	Hardware, nec	35.0	36	30.4	35	34.8	36
343	Plumbing and heating, except electric	14.0	19	11.9	19	13.3	19
3431,2	Sanitary ware and plumbers' brass goods	7.0	20	5.7	20	6.5	21
3433	Heating equipment, except electric	7.0	17	6.2	17	6.8	18
344	Fabricated structural metal products	54.3	11	52.3	12	59.4	13
3441	Fabricated structural steel	6.5	6	6.7	6	6.6	7
3442	Metal doors, sash, and trim	17.4	23	16.8	25	21.9	31
3443	Fabricated plate work (boiler shops)	11.0	8	11.5	8	12.2	9
3444	Sheet metal work	13.0	14	11.8	14	12.4	15
3446,9	Architectural and miscellaneous metal work	6.5	10	5.6	10	6.2	11
345	Screw machine products, bolts, etc.	24.5	22	20.4	22	20.8	21
3451	Screw machine products	13.0	25	10.7	25	11.0	24
3452	Bolts, nuts, rivets, and washers	11.5	19	9.7	19	9.7	19
346	Metal stampings	52.5	22	42.3	21	47.5	21
347	Metal services, n e c	19.5	21	16.5	20	19.7	22
348	Misc. fabricated wire products	17.8	25	14.1	25	14.9	25
349	Misc. fabricated metal products	32.2	18	28.9	18	31.5	19
3494,8	Valves, pipe, and pipe fittings	19.8	18	18.3	17	19.8	18
35	MACHINERY, EXCEPT ELECTRICAL	361.7	16	329.6	16	344.2	17
351	Engines and turbines	18.8	16	17.1	15	18.0	16
3511	Steam engines and turbines	5.4	12	5.2	12	5.3	12
3519	Internal combustion engines, nec	13.4	18	11.8	17	12.7	18
352	Farm machinery	18.4	11	17.1	11	17.9	12
353	Construction and related machinery	33.7	10	35.0	10	35.3	10
3531,2	Construction and mining machinery	16.0	8	16.8	9	16.6	9
3533	Oil field machinery	5.7	11	7.1	11	7.9	11
3536,6	Conveyors, hoists, cranes, monorails	5.2	11	5.2	12	5.3	11
3537	Industrial trucks and tractors	3.6	9	3.1	10	3.1	10
354	Metal working machinery	46.7	14	42.2	14	43.1	14
3541	Machine tools, metal cutting types	7.1	10	6.6	10	6.4	11
3544	Special dies, tools, jigs and fixtures	11.9	9	11.1	10	11.7	10
3545	Machine tool accessories	11.8	20	10.8	20	10.4	19
3542,8	Miscellaneous metal working machinery	16.0	19	13.8	18	14.6	20
355	Special industry machinery	26.8	13	23.6	13	23.4	13
3551	Food products machinery	5.1	11	4.8	12	4.8	12
3552	Textile machinery	6.7	17	5.2	17	5.4	17
3555	Printing trades machinery	4.0	13	3.5	13	3.5	14
356	General industrial machinery	52.8	17	48.1	17	50.0	17
3561	Pumps and compressors	12.5	15	11.7	14	12.2	15
3562	Ball and roller bearings	13.5	23	12.2	23	12.5	23
3564	Blowers and fans	7.4	19	6.4	18	6.5	19
3566	Power transmission equipment	8.1	15	7.3	15	7.2	15
357	Office and computing machines	90.1	31	82.4	29	85.3	29
3573	Electronic computing equipment	66.3	31	62.0	29	63.5	29
358	Service industry machines	33.6	19	26.3	18	30.5	19
3585	Refrigeration machinery	21.7	18	16.5	16	20.1	18
359	Miscellaneous machinery, except electrical	40.9	16	37.9	15	40.7	16

**ESTABLISHMENT DATA.
WOMEN EMPLOYEES**

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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
DURABLE GOODS - CONTINUED							
36	ELECTRICAL EQUIPMENT AND SUPPLIES	847.1	42	695.3	39	750.5	41
361	Electrical test and distributing equipment	80.3	36	64.8	34	70.4	36
3611	Electric measuring instruments	35.8	46	30.4	44	31.3	44
3612	Transformers	18.1	29	13.0	26	14.3	30
3613	Switchgear and switchboard apparatus	26.5	32	21.4	29	24.9	34
362	Electrical industrial apparatus	83.4	36	67.9	34	76.6	36
3621	Motors and generators	41.4	36	33.4	34	37.9	36
3622	Industrial controls	30.5	43	25.3	40	28.4	42
363	Household appliances	58.0	31	44.0	29	50.8	31
3632	Household refrigerators and freezers	11.2	24	6.6	18	7.0	20
3633	Household laundry equipment	4.8	18	4.1	18	4.9	20
3634	Electric housewares and fans	28.1	51	22.5	50	25.6	52
364	Electric lighting and wiring equipment	95.2	44	77.0	43	87.3	45
3641	Electric lamps	26.1	66	22.5	65	23.8	65
3642	Lighting fixtures	24.4	35	20.5	35	23.1	36
3643,4	Wiring devices	44.8	41	33.9	39	40.4	43
365	Radio and TV receiving equipment	77.6	54	64.7	53	70.0	54
366	Communication equipment	171.1	37	155.3	36	150.2	36
3661	Telephone and telegraph apparatus	78.6	47	65.6	45	60.3	45
3662	Radio and TV communication equipment	92.4	32	89.7	31	90.0	31
367	Electronic components and accessories	275.8	55	180.8	52	198.1	53
3671,3	Electron tubes	22.1	44	17.7	40	16.2	39
3674,9	Other electronic components	213.7	57	163.1	54	182.0	55
369	Miscellaneous electrical equipment and supplies	45.7	33	40.7	31	47.1	33
3694	Engine electrical equipment	24.9	35	22.6	34	26.0	35
37	TRANSPORTATION EQUIPMENT	215.1	12	196.5	12	216.9	13
371	Motor vehicles and equipment	87.4	10	75.5	10	92.5	11
3711	Motor vehicles	28.8	8	25.0	8	30.6	9
3712	Passenger car bodies	2.5	6	2.6	6	4.0	9
3713	Truck and bus bodies	4.3	9	3.5	9	3.8	10
3714	Motor vehicle parts and accessories	50.1	13	43.0	12	52.6	13
3715	Truck trailers	1.7	5	1.3	7	1.4	7
372	Aircraft and parts	83.6	15	80.0	16	75.6	16
3721	Aircraft	47.0	16	44.3	16	42.2	16
3722	Aircraft engines and engine parts	20.5	14	19.7	14	18.5	14
3723,9	Other aircraft parts and equipment	16.1	16	16.0	16	14.9	16
373	Ship and boat building and repairing	16.8	8	16.1	8	19.4	9
3731	Ship building and repairing	10.3	7	10.6	7	12.5	7
3732	Boat building and repairing	6.5	14	5.6	14	6.9	15
374	Railroad equipment	4.7	8	5.8	11	4.8	11
375,9	Other transportation equipment	22.6	17	19.1	17	24.7	18
38	INSTRUMENTS AND RELATED PRODUCTS	205.9	40	188.3	39	202.3	40
381	Engineering and scientific instruments	18.2	29	17.6	29	16.8	28
382	Mechanical measuring and control devices	47.6	39	39.9	37	47.0	40
3821	Mechanical measuring devices	27.4	35	24.8	33	26.8	35
3822	Automatic temperature controls	20.2	48	15.1	45	20.3	50
383,5	Optical and ophthalmic goods	28.0	44	26.3	44	28.6	45
385	Ophthalmic goods	21.3	51	19.9	51	21.6	52
384	Medical instruments and supplies	54.7	52	51.7	50	55.5	51
386	Photographic equipment and supplies	35.4	27	33.6	27	35.0	27
387	Watches, clocks, and watchcases	22.0	65	19.1	63	19.5	64
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	203.8	46	184.6	46	193.8	46
391	Jewelry, silverware, and plated ware	23.0	43	21.5	43	23.7	44
394	Toys and sporting goods	68.5	52	60.9	53	62.6	52
3941,3	Games, toys, dolls, and play vehicles	38.3	56	35.9	57	35.7	55
3949	Sporting and athletic goods, n e c	30.2	48	25.0	48	26.9	49
395	Pens, pencils, office and art supplies	19.1	54	18.8	55	19.1	56
396	Costume jewelry and notions	30.0	52	28.0	54	29.2	54
393,9	Other manufacturing industries	63.2	37	55.5	36	59.2	37
393	Musical instruments and parts	13.0	47	10.2	44	10.3	43
NONDURABLE GOODS							
20	FOOD AND KINDRED PRODUCTS	460.0	27	451.5	27	468.8	27
201	Meat products	102.5	30	100.5	30	105.7	30
2011	Meat packing plants	25.0	15	24.3	15	25.6	15
2013	Sausages and other prepared meats	18.6	28	18.5	28	18.9	28
2015	Poultry dressing plants	58.9	55	57.7	54	61.2	53
202	Dairy products	36.6	18	36.4	19	36.8	19
2024	Ice cream and frozen desserts	5.7	25	5.5	24	5.7	25

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS — CONTINUED							
FOOD AND KINDRED PRODUCTS — Continued							
2026	Fluid milk	19.7	15	19.4	15	19.5	16
203	Canned, cured, and frozen foods	127.5	43	126.0	43	129.6	43
2031,6	Canned, cured, and frozen sea foods	28.7	59	24.8	56	25.5	56
2032,3	Canned food, except sea foods	48.2	35	51.2	37	52.0	37
2037	Frozen fruits and vegetables	33.8	49	32.7	49	33.1	49
204	Grain mill products	22.1	16	22.4	16	24.4	17
2041	Flour and other grain mill products	3.7	14	3.6	14	3.8	14
2042	Prepared feeds for animals and fowls	10.8	15	10.9	15	12.0	16
205	Bakery products	61.1	25	59.5	25	61.5	26
2051	Bread, cake, and related products	42.2	21	40.6	21	42.0	21
2052	Cookies and crackers	18.9	46	18.9	47	19.5	47
206	Sugar	3.2	9	3.6	10	3.8	11
207	Confectionery and related products	37.1	48	33.2	46	35.6	46
2071	Confectionery products	29.4	51	25.8	48	27.6	49
208	Beverages	31.8	14	32.1	14	32.8	15
2082	Malt liquors	4.0	8	4.2	8	4.5	10
2086	Bottled and canned soft drinks	13.6	11	13.6	11	14.4	11
209	Miscellaneous foods and kindred products	38.3	26	37.8	26	38.7	27
21	TOBACCO MANUFACTURES	33.0	42	31.7	40	29.8	39
211	Cigarettes	15.5	34	14.5	32	14.4	32
212	Cigars	9.6	70	8.2	69	7.2	69
22	TEXTILE MILL PRODUCTS	461.2	47	416.6	46	449.3	47
221	Weaving mills, cotton	75.8	42	68.5	42	73.3	42
222	Weaving mills, synthetics	49.3	40	44.6	39	48.0	39
223	Weaving and finishing mills, wool	9.1	38	7.6	37	8.5	38
224	Narrow fabric mills	15.9	58	12.9	57	15.4	59
225	Knitting mills	167.1	64	154.5	63	165.0	64
2251	Women's hosiery, except socks	29.5	75	28.5	75	29.3	76
2252	Hosiery, n e c	23.9	73	23.1	73	24.9	72
2253	Knit outerwear mills	58.1	72	51.3	72	55.2	72
2254	Knit underwear mills	26.2	72	25.1	70	27.6	70
226	Textile finishing, except wool	23.5	29	22.0	28	23.4	29
227	Floor covering mills	24.1	37	20.9	36	22.0	37
228	Yarn and thread mills	74.4	49	67.1	48	74.3	48
229	Miscellaneous textile goods	21.9	30	18.5	29	19.4	29
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,089.8	81	996.1	81	1,048.9	81
231	Men's and boys' suits and coats	77.8	76	66.1	76	67.8	76
232	Men's and boys' furnishings	325.9	84	296.9	84	320.9	84
2321	Men's and boys' shirts and nightwear	108.3	88	97.2	87	103.1	87
2327	Men's and boys' separate trousers	73.0	82	66.5	83	70.7	82
2328	Men's and boys' work clothing	76.8	82	70.8	83	77.5	83
233	Women's and misses' outerwear	357.2	86	329.6	86	334.1	86
2331	Women's and misses' blouses and waists	43.9	89	43.0	89	43.4	88
2335	Women's and misses' dresses	164.5	87	148.5	88	148.6	88
2337	Women's and misses' suits and coats	50.7	80	45.6	79	44.8	79
2339	Women's and misses' outerwear, n e c	98.1	85	92.5	85	97.2	86
234	Women's and children's undergarments	91.4	87	82.9	86	86.7	86
2341	Women's and children's underwear	68.8	88	63.7	88	66.7	87
2342	Corsets and allied garments	22.6	84	19.2	82	20.0	81
235	Hats, caps, and millinery	11.4	73	11.4	74	11.5	73
236	Children's outerwear	63.0	86	60.6	86	67.0	87
2361	Children's dresses and blouses	27.3	89	25.5	90	27.8	89
237,8	Fur goods and miscellaneous apparel	52.1	75	46.3	74	49.5	74
239	Miscellaneous fabricated textile products	111.0	63	102.3	62	111.4	63
2391,2	Housefurnishings	51.6	70	48.5	70	53.2	70
26	PAPER AND ALLIED PRODUCTS	145.9	21	131.5	20	141.2	21
261,2,6	Paper and pulp mills	21.9	11	21.1	11	22.9	11
263	Paperboard mills	5.3	7	4.9	7	5.2	7
264	Miscellaneous converted paper products	69.3	33	62.0	33	65.3	33
2643	Bags, except textile bags	15.0	33	13.7	33	14.2	33
265	Paperboard containers and boxes	49.3	23	43.5	22	47.8	23
2651,2	Folding and setup paperboard boxes	19.9	32	16.8	31	18.6	31
2653	Corrugated and solid fiber boxes	15.0	14	13.2	14	14.3	14
2654	Sanitary food containers	8.9	30	8.5	30	9.7	32

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS - CONTINUED							
27	PRINTING AND PUBLISHING	382.7	34	375.7	35	380.6	35
271	Newspapers	117.7	31	120.2	32	124.6	33
272	Periodicals	33.9	50	35.1	51	35.7	51
273	Books	48.0	51	46.6	51	43.0	49
275	Commercial printing	104.7	28	102.3	29	104.4	29
2751	Commercial printing, ex. lithographic	60.0	29	58.4	29	59.7	29
2752	Commercial printing, lithographic	41.7	28	40.9	28	41.5	29
278	Blankbooks and bookbinding	28.2	51	24.6	50	25.5	51
274,6,7,9	Other publishing and printing ind.	50.2	36	47.0	36	47.5	36
28	CHEMICALS AND ALLIED PRODUCTS	223.7	21	214.5	21	223.9	22
281	Industrial chemicals	38.0	12	39.8	12	43.4	13
2812	Alkalies and chlorines	1.7	8	1.8	8	1.9	9
2818	Industrial organic chemicals, n e c	18.2	14	19.1	14	20.3	15
2819	Industrial inorganic chemicals, n e c	11.6	11	12.7	12	14.3	13
282	Plastics materials and synthetics	42.6	19	36.5	18	36.5	18
2821	Plastics materials and resins	9.2	10	8.3	10	8.3	9
2823,4	Synthetic fibers	32.5	27	27.3	26	27.2	26
283	Drugs	63.7	39	63.4	39	66.4	39
2834	Pharmaceutical preparations	52.4	40	52.4	40	55.0	41
284	Soap, cleaners, and toilet goods	45.4	37	43.0	36	45.9	38
2841	Soap and other detergents	8.4	21	8.0	21	8.1	21
2844	Toilet preparations	27.5	54	26.1	54	28.2	56
285	Paints and allied products	11.1	16	10.7	16	10.9	16
287	Agricultural chemicals	6.0	11	6.4	12	6.7	12
2871,2	Fertilizers, complete and mixing only	2.6	8	2.7	8	3.0	9
286,9	Other chemical products	16.8	18	14.8	18	14.2	18
2892	Explosives	4.1	18	3.3	18	2.5	17
29	PETROLEUM AND COAL PRODUCTS	19.0	10	19.4	10	20.6	10
291	Petroleum refining	13.8	9	14.2	9	15.4	10
295,9	Other petroleum and coal products	5.2	12	5.1	12	5.1	11
30	RUBBER AND PLASTICS PRODUCTS, NEC	229.7	34	193.1	33	215.4	35
301	Tires and inner tubes	12.1	9	10.5	9	9.5	10
302,3,6	Other rubber products	66.6	36	56.6	36	60.8	37
302	Rubber footwear	16.3	60	14.1	59	13.6	62
307	Miscellaneous plastics products	150.9	42	126.1	40	145.1	41
31	LEATHER AND LEATHER PRODUCTS	168.5	61	154.6	60	165.3	61
311	Leather tanning and finishing	3.4	16	3.3	15	3.5	15
314	Footwear, except rubber	117.6	66	107.6	66	112.0	66
312,3,5-7,9	Other leather products	47.5	61	43.8	62	49.8	64
316	Luggage	9.8	54	8.4	54	9.6	54
317	Handbags and personal leather goods	24.3	71	23.5	71	25.7	72
-	TRANSPORTATION AND PUBLIC UTILITIES	1,000	21	982	22	986	22
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	42.2	15	46.2	17	49.1	18
411	Local and suburban transportation	6.5	10	6.9	10	7.9	11
412	Taxicabs	5.3	6	5.2	6	4.9	6
413	Intercity highway transportation	4.2	10	4.4	11	4.4	11
42	TRUCKING AND WAREHOUSING	114.9	10	110.3	10	112.6	10
421,3	Trucking and trucking terminals	100.5	9	95.9	10	98.0	10
422	Public warehousing	14.4	16	14.4	16	14.6	17
45	TRANSPORTATION BY AIR	101.6	28	98.5	27	104.9	28
451,2	Air transportation	96.1	29	93.0	29	99.5	30
46	PIPE LINE TRANSPORTATION	1.3	8	1.3	8	1.5	9
44	WATER TRANSPORTATION	15.5	8	17.1	9	17.6	9
47	TRANSPORTATION SERVICES	32.3	24	33.8	24	36.5	25
48	COMMUNICATION	551.6	46	534.1	46	521.4	45
481	Telephone communication	498.5	50	476.4	50	461.1	49
483	Radio and television broadcasting	40.2	27	44.4	29	46.6	30
49	ELECTRIC, GAS, AND SANITARY SERVICES	115.7	16	116.9	16	120.7	16
491	Electric companies and systems	49.6	15	49.3	16	50.7	16
492	Gas companies and systems	27.8	17	29.0	18	30.5	19

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on non agricultural payrolls, by industry—Continued

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS – CONTINUED							
ELECTRIC, GAS, AND SANITARY SERVICES – Cont'd							
493	Combination companies and systems	29.7	15	29.7	15	30.2	16
494.7	Water, steam, and sanitary systems	8.5	14	8.8	14	9.2	14
–	WHOLESALE AND RETAIL TRADE	7,003	41	7,053	41	7,404	42
50	WHOLESALE TRADE	1,004	24	1,002	24	1,039	24
501	Motor vehicles and automotive equipment	77.1	20	77.1	21	80.7	21
502	Drugs, chemicals, and allied products	86.8	36	84.3	35	83.9	35
503	Dry goods and apparel	77.9	48	75.7	49	76.5	49
504	Groceries and related products	125.8	22	129.5	22	137.3	22
506	Electrical goods	89.7	26	84.1	26	86.2	27
507	Hardware; plumbing and heating equipment	49.4	26	47.6	26	48.3	26
508	Machinery, equipment, and supplies	172.7	20	176.3	20	185.6	21
509	Miscellaneous wholesalers	302.7	23	303.8	23	312.1	23
52-59	RETAIL TRADE	5,999	47	6,052	47	6,365	47
53	Retail general merchandise	1,742.4	68	1,680.1	68	1,702.7	68
531	Department stores	1,184.7	69	1,147.6	69	1,174.3	69
532	Mail order houses	88.2	61	80.2	63	73.2	62
533	Variety stores	239.3	74	222.6	72	223.1	72
54	Food stores	745.0	38	765.6	39	810.3	39
541.3	Grocery, meat, and vegetable stores	632.7	36	655.4	37	696.4	37
56	Apparel and accessory stores	529.8	66	523.4	67	539.1	67
561	Men's and boys' clothing and furnishings	59.6	42	59.0	43	61.5	43
562	Women's ready-to-wear stores	266.9	89	260.3	89	264.5	89
565	Family clothing stores	83.2	68	85.7	70	88.8	70
566	Shoe stores	63.2	39	61.8	38	63.2	38
57	Furniture and home furnishings stores	162.0	30	156.4	31	163.0	31
571	Furniture and home furnishings	106.5	32	103.0	33	106.3	33
58	Eating and drinking places	1,797.4	56	1,882.9	57	2,050.1	57
52,55,59	Other retail trade	1,022.1	27	1,042.9	28	1,099.4	28
52	Building materials and farm equipment	113.8	18	113.4	19	120.4	19
55	Automotive dealers and service stations	242.6	14	246.5	15	257.9	15
551.2	Motor vehicle dealers	98.4	12	94.4	12	98.8	13
553.9	Other automotive and accessory dealers	49.8	16	50.3	16	53.0	16
59	Miscellaneous retail stores	665.7	46	683.0	47	721.1	47
591	Drug stores and proprietary stores	287.2	62	288.2	61	294.7	62
594	Book and stationery stores	37.4	48	37.7	48	39.6	49
596	Farm and garden supply stores	28.4	22	30.2	23	31.2	23
598	Fuel and ice dealers	18.3	18	18.6	19	19.8	20
–	FINANCE, INSURANCE, AND REAL ESTATE	2,246	53	2,293	54	2,377	55
60	Banking	826.7	66	852.5	67	874.5	67
61	Credit agencies other than banks	253.1	59	260.9	60	282.1	61
612	Savings and loan associations	104.3	69	114.8	69	130.3	70
614	Personal credit institutions	100.9	50	98.4	51	101.0	52
62	Security, commodity brokers and services	60.0	34	59.7	35	61.8	35
63	Insurance carriers	591.3	54	597.2	54	613.9	55
631	Life insurance	242.0	46	240.6	46	242.5	47
632	Accident and health insurance	79.1	71	84.7	71	86.8	71
633	Fire, marine, and casualty insurance	235.2	58	236.9	58	245.7	59
64	Insurance agents, brokers, and service	180.4	57	188.2	57	195.3	57
65	Real estate	276.6	34	275.7	35	289.4	36
655	Subdividers and developers	29.0	22	27.9	24	27.7	24
656	Operative builders	12.2	18	11.3	20	11.9	21
66,67	Other finance, insurance, and real estate	57.5	51	58.6	51	59.5	51
–	SERVICES	7,410	54	7,737	55	8,184	56
Hotels and other lodging places:							
701	Hotels, tourist courts, and motels	421.3	53	437.3	54	466.1	54
72	Personal services	539.7	63	525.6	63	517.5	63
721	Laundries and dry cleaning plants	240.5	64	224.7	63	218.5	62
722	Photographic studios	29.6	66	30.7	69	28.7	64
73	Miscellaneous business services	707.4	35	715.4	36	781.6	37
731	Advertising	53.5	44	53.3	44	56.4	45
732	Credit reporting and collection	55.9	70	54.3	69	56.2	69
734	Services to buildings	146.5	38	152.7	39	163.3	40
76	Miscellaneous repair services	35.3	16	35.6	16	36.4	17
78	Motion pictures	77.3	37	75.6	37	77.1	38
781	Motion picture filming and distributing	23.8	37	23.4	37	24.5	38
782,3	Motion picture theaters and services	53.5	38	52.2	38	52.6	38

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	1974		1975		1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	SERVICES — Continued						
80	Medical and other health services	3, 160.9	80	3, 365.1	80	3, 574.8	81
806	Hospitals	1, 739.1	80	1, 826.6	80	1, 904.3	80
81	Legal services	201.5	63	216.8	64	235.0	64
82	Educational services	565.5	48	599.4	49	636.5	51
821	Elementary and secondary schools	233.0	60	243.3	61	252.1	62
822	Colleges and universities	264.0	41	280.5	42	297.7	44
89	Miscellaneous services	223.6	26	235.2	27	254.7	28
891	Engineering and architectural services	62.0	16	64.8	16	68.9	17
892	Nonprofit research agencies	41.8	33	48.2	34	54.3	36
	GOVERNMENT	6, 270	44	6, 550	44	6, 656	45
91	FEDERAL GOVERNMENT	798	29	805	29	808	30
92,93	STATE AND LOCAL GOVERNMENT	5, 472	48	5, 745	48	5, 848	48
92	State government	1, 323.8	43	1, 401.5	44	1, 437.1	44
	State education	548.2	43	575.4	44	601.7	44
	Other State government	775.6	44	826.1	44	835.4	45
93	Local government	4, 147.9	49	4, 343.9	49	4, 410.9	49
	Local education	2, 912.3	62	3, 017.1	62	3, 026.1	61
	Other local government	1, 235.7	33	1, 326.9	34	1, 384.8	35

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-4. Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

[1967 = 100]

Year and month	Total	Goods-producing				Service-producing							Government		
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Total	Federal	State and local
								Total	Wholesale trade	Retail trade					
1919.....	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920.....	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1925.....	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926.....	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927.....	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928.....	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929.....	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930.....	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931.....	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932.....	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933.....	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934.....	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935.....	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936.....	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937.....	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938.....	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939.....	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940.....	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941.....	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942.....	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943.....	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944.....	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945.....	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946.....	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947.....	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948.....	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949.....	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950.....	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951.....	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952.....	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953.....	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954.....	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955.....	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956.....	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957.....	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958.....	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959.....	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960.....	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961.....	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962.....	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963.....	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964.....	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965.....	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966.....	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967.....	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	100.0	100.0
1968.....	103.2	101.8	98.9	103.1	101.7	103.9	101.2	103.6	102.4	104.0	104.8	105.2	103.9	100.7	105.0
1969.....	107.0	104.5	101.0	109.9	103.7	108.3	104.1	108.1	105.9	108.8	110.4	111.2	107.1	101.4	108.8
1970.....	107.7	101.0	101.6	110.2	99.5	111.3	105.7	110.5	108.3	111.3	114.3	115.1	110.2	100.4	113.3
1971.....	108.1	98.1	99.3	113.4	95.5	113.6	104.6	112.8	108.5	114.4	117.9	117.9	113.1	99.2	117.4
1972.....	111.9	101.2	102.0	119.4	98.2	117.8	106.0	117.4	111.9	119.4	122.3	122.7	117.0	98.7	122.8
1973.....	116.8	106.3	105.1	125.2	103.2	122.5	109.0	122.5	116.5	124.7	126.9	128.9	120.5	97.9	127.6
1974.....	119.1	106.1	113.2	123.3	103.1	126.1	110.2	125.1	119.8	126.9	130.5	134.8	124.4	100.2	132.0
1975.....	117.0	97.1	121.5	109.5	94.3	127.8	105.6	124.9	118.5	127.2	130.9	138.7	129.1	101.1	138.0
1976.....	120.6	100.3	127.7	112.0	97.5	131.7	105.8	130.0	120.9	133.2	133.8	145.0	131.1	100.5	140.7
Feb.....	119.4	99.3	125.1	111.3	96.5	130.4	105.7	128.6	120.0	131.6	132.3	142.2	130.4	100.8	139.6
Mar.....	119.9	99.9	126.1	111.5	97.2	130.9	105.8	129.3	120.2	132.5	132.6	142.8	130.7	100.6	140.1
Apr.....	120.4	100.6	126.4	112.8	97.7	131.3	105.8	129.8	120.6	133.0	133.0	143.6	130.8	100.5	140.3
May.....	120.4	100.5	126.6	112.4	97.7	131.3	105.7	129.8	120.8	133.0	132.8	143.9	130.9	100.4	140.5
June.....	120.5	100.4	127.4	112.0	97.6	131.5	105.2	129.8	120.7	133.0	133.4	144.3	131.2	100.3	140.9
July.....	120.7	100.3	129.0	112.5	97.4	131.9	105.8	130.4	121.2	133.6	133.7	144.8	131.1	100.1	140.9
Aug.....	120.9	100.2	122.7	111.6	97.6	132.2	105.6	130.6	121.2	133.8	133.7	145.6	131.4	100.5	141.1
Sept.....	121.4	100.8	130.2	111.1	98.2	132.6	106.3	131.1	121.5	134.5	134.5	146.1	131.2	100.3	140.8
Oct.....	121.2	100.2	130.5	111.7	97.4	132.7	105.7	131.0	121.8	134.2	135.2	146.4	131.5	100.4	141.2
Nov.....	121.6	100.9	131.3	112.8	98.0	132.9	106.1	130.9	121.7	134.1	135.8	147.3	131.9	100.6	141.7
Dec.....	122.0	101.0	131.8	112.4	98.2	133.5	106.9	131.5	122.1	134.8	136.5	147.9	132.0	100.0	142.0
1977:															
Jan.....	122.3	101.3	133.3	110.5	98.8	133.8	106.8	132.2	122.6	135.5	137.2	148.6	131.8	100.1	141.7
Feb.....	122.7	101.7	135.7	112.7	98.8	134.2	107.1	133.0	123.5	136.4	137.7	149.1	131.6	100.0	141.5

p = preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an

increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[in thousands]

Industry division and group	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
TOTAL	78,635	78,980	79,312	79,319	79,368	79,513	79,618	79,918	79,819	80,106	80,344	80,559	80,818	
GOODS-PRODUCING	23,112	23,248	23,403	23,381	23,357	23,344	23,310	23,463	23,323	23,489	23,508	23,574	23,658	
MINING	767	773	775	776	781	791	752	798	800	805	808	817	832	
CONTRACT CONSTRUCTION	3,571	3,578	3,620	3,605	3,592	3,608	3,579	3,565	3,582	3,619	3,605	3,545	3,614	
MANUFACTURING	18,774	18,897	19,008	19,000	18,984	18,945	18,979	19,100	18,941	19,065	19,095	19,212	19,212	
DURABLE GOODS	10,857	10,956	11,016	11,062	11,059	11,034	11,083	11,146	11,018	11,128	11,158	11,231	11,215	
Ordnance and accessories	161	161	160	160	158	156	157	156	155	156	156	156	157	
Lumber and wood products	594	597	600	601	601	605	605	613	613	621	626	627	628	
Furniture and fixtures	484	488	493	496	493	490	486	495	491	491	493	493	492	
Stone, clay, and glass products	615	618	626	627	628	631	628	630	630	636	629	632	621	
Primary metal industries	1,166	1,178	1,187	1,193	1,200	1,206	1,215	1,216	1,194	1,186	1,182	1,179	1,174	
Fabricated metal products	1,369	1,380	1,387	1,392	1,390	1,387	1,394	1,404	1,387	1,396	1,404	1,415	1,411	
Machinery, except electrical	2,039	2,047	2,056	2,068	2,069	2,084	2,090	2,115	2,078	2,106	2,107	2,127	2,134	
Electrical equipment and supplies	1,797	1,818	1,830	1,837	1,837	1,815	1,843	1,848	1,849	1,860	1,863	1,869	1,882	
Transportation equipment	1,710	1,739	1,742	1,747	1,743	1,728	1,737	1,737	1,695	1,749	1,766	1,790	1,770	
Instruments and related products	500	505	509	512	513	512	510	512	511	514	517	520	521	
Miscellaneous manufacturing	422	425	426	429	427	420	418	420	415	413	415	423	425	
NONDURABLE GOODS	7,917	7,941	7,992	7,938	7,925	7,911	7,896	7,954	7,923	7,937	7,937	7,981	7,997	
Food and kindred products	1,706	1,698	1,707	1,712	1,718	1,719	1,715	1,711	1,706	1,711	1,710	1,721	1,718	
Tobacco manufactures	77	75	76	76	75	80	78	76	76	75	75	76	72	
Textile mill products	963	966	973	977	973	970	969	971	961	960	957	960	963	
Apparel and other textile products	1,309	1,319	1,322	1,321	1,320	1,299	1,292	1,281	1,273	1,276	1,271	1,279	1,279	
Paper and allied products	669	671	677	679	678	680	679	681	677	680	680	683	685	
Printing and publishing	1,069	1,074	1,076	1,079	1,077	1,082	1,082	1,086	1,087	1,089	1,089	1,092	1,094	
Chemicals and allied products	1,029	1,030	1,036	1,034	1,029	1,037	1,040	1,035	1,032	1,038	1,041	1,048	1,058	
Petroleum and coal products	204	204	205	203	202	201	202	202	202	203	204	206	206	
Rubber and plastics products, nec	614	627	641	578	577	572	572	643	645	642	647	653	656	
Leather and leather products	277	277	279	279	276	271	267	268	264	263	263	265	266	
SERVICE-PRODUCING	55,523	55,732	55,909	55,938	56,011	56,169	56,308	56,455	56,496	56,617	56,836	56,985	57,160	
TRANSPORTATION AND PUBLIC UTILITIES	4,504	4,507	4,510	4,503	4,482	4,508	4,501	4,528	4,506	4,519	4,553	4,549	4,562	
WHOLESALE AND RETAIL TRADE ..	17,496	17,592	17,662	17,663	17,664	17,737	17,764	17,839	17,824	17,808	17,898	17,985	18,102	
WHOLESALE TRADE	4,231	4,236	4,250	4,258	4,254	4,271	4,272	4,283	4,292	4,291	4,304	4,322	4,352	
RETAIL TRADE	13,265	13,356	13,412	13,405	13,410	13,466	13,492	13,556	13,532	13,517	13,594	13,663	13,750	
FINANCE, INSURANCE, AND REAL ESTATE	4,266	4,276	4,289	4,282	4,301	4,312	4,312	4,338	4,359	4,381	4,403	4,425	4,440	
SERVICES	14,397	14,460	14,536	14,567	14,610	14,664	14,751	14,798	14,819	14,873	14,936	15,007	15,059	
Hotels and other lodging places	1,044	1,045	1,053	1,056	1,044	1,060	1,061	1,068	1,069	1,071	1,090	1,101	-	
Personal services	832	827	826	824	822	823	817	814	809	809	808	812	-	
Medical and other health services	4,333	4,359	4,385	4,409	4,439	4,476	4,505	4,519	4,548	4,548	4,577	4,585	-	
Educational services	1,243	1,254	1,262	1,255	1,248	1,252	1,266	1,283	1,273	1,277	1,271	1,266	-	
GOVERNMENT	14,860	14,897	14,912	14,923	14,954	14,948	14,980	14,952	14,988	15,036	15,046	15,019	14,997	
FEDERAL	2,742	2,735	2,733	2,730	2,728	2,723	2,732	2,728	2,730	2,734	2,720	2,721	2,719	
STATE AND LOCAL	12,118	12,162	12,179	12,193	12,226	12,225	12,248	12,224	12,258	12,302	12,326	12,298	12,278	

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

**B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. P	Feb. P
TOTAL	52,460	52,728	53,004	52,998	53,007	53,104	53,151	53,474	53,309	53,498	53,672	53,834	54,102
GOODS-PRODUCING	16,894	17,012	17,154	17,141	17,101	17,085	17,029	17,180	17,032	17,172	17,158	17,188	17,278
MINING	581	587	588	588	592	599	561	605	605	612	613	618	634
CONTRACT CONSTRUCTION	2,817	2,823	2,866	2,860	2,844	2,868	2,841	2,826	2,852	2,885	2,854	2,765	2,829
MANUFACTURING	13,496	13,602	13,700	13,693	13,665	13,618	13,627	13,749	13,575	13,675	13,691	13,805	13,815
DURABLE GOODS	7,734	7,815	7,871	7,916	7,905	7,878	7,911	7,975	7,833	7,929	7,955	8,029	8,016
Ordnance and accessories	73	73	73	73	72	71	71	70	69	69	70	71	71
Lumber and wood products	497	500	501	503	504	507	507	515	515	522	528	532	532
Furniture and fixtures	397	400	405	408	405	401	398	408	403	403	406	402	404
Stone, clay, and glass products	489	492	499	500	501	503	499	503	501	506	500	502	489
Primary metal industries	910	922	931	938	943	952	956	959	934	926	923	920	916
Fabricated metal products	1,030	1,039	1,047	1,052	1,049	1,045	1,051	1,062	1,044	1,051	1,059	1,069	1,067
Machinery, except electrical	1,318	1,323	1,329	1,342	1,336	1,347	1,350	1,370	1,329	1,357	1,358	1,375	1,382
Electrical equipment and supplies	1,180	1,198	1,210	1,218	1,218	1,199	1,222	1,224	1,224	1,232	1,231	1,239	1,254
Transportation equipment	1,211	1,234	1,239	1,241	1,236	1,219	1,228	1,230	1,186	1,236	1,251	1,277	1,255
Instruments and related products	304	306	310	312	313	314	311	312	311	312	315	318	320
Miscellaneous manufacturing	325	328	327	329	328	320	318	322	317	315	314	324	326
NONDURABLE GOODS	5,762	5,787	5,829	5,777	5,760	5,740	5,716	5,772	5,742	5,746	5,736	5,776	5,799
Food and kindred products	1,164	1,157	1,164	1,167	1,172	1,177	1,168	1,164	1,159	1,161	1,156	1,169	1,167
Tobacco manufactures	64	62	63	63	62	67	65	63	63	63	62	60	58
Textile mill products	841	844	850	855	850	847	845	848	838	839	833	836	839
Apparel and other textile products	1,128	1,137	1,140	1,139	1,138	1,115	1,109	1,100	1,091	1,093	1,089	1,097	1,101
Paper and allied products	504	508	513	516	517	516	514	515	512	515	514	518	519
Printing and publishing	627	629	630	632	630	630	629	632	632	632	631	630	631
Chemicals and allied products	587	588	591	592	587	591	595	589	588	590	590	595	604
Petroleum and coal products	132	132	134	132	130	130	130	130	131	132	132	134	137
Rubber and plastics products, nec	476	490	503	439	436	433	432	504	502	501	505	510	515
Leather and leather products	239	240	241	242	238	234	229	229	226	224	224	227	228
SERVICE-PRODUCING	35,566	35,716	35,850	35,857	35,706	36,019	36,120	36,294	36,277	36,326	36,514	36,646	36,824
TRANSPORTATION AND PUBLIC UTILITIES	3,864	3,863	3,869	3,859	3,840	3,859	3,854	3,877	3,856	3,861	3,900	3,886	3,900
WHOLESALE AND RETAIL TRADE ..	15,472	15,553	15,618	15,620	15,623	15,668	15,700	15,771	15,761	15,734	15,792	15,880	15,993
WHOLESALE TRADE	3,502	3,505	3,520	3,528	3,523	3,532	3,534	3,547	3,554	3,553	3,562	3,570	3,599
RETAIL TRADE	11,970	12,048	12,098	12,092	12,100	12,136	12,166	12,224	12,207	12,181	12,230	12,310	12,394
FINANCE, INSURANCE, AND REAL ESTATE	3,258	3,268	3,276	3,263	3,280	3,288	3,289	3,309	3,325	3,345	3,364	3,387	3,404
SERVICES	12,972	13,032	13,087	13,115	13,163	13,204	13,279	13,337	13,335	13,386	13,458	13,493	13,527

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, 1974 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1974				
January	58.7	61.6	64.8	63.1
February	55.8	55.2	56.4	59.6
March	48.0	54.7	54.7	54.9
April	54.7	52.3	51.5	50.0
May	54.7	57.0	50.3	40.1
June	54.4	50.9	44.5	28.2
July	49.1	44.2	35.8	26.7
August	42.2	36.0	32.0	22.1
September	32.6	35.5	21.8	20.6
October	35.5	26.2	15.7	18.6
November	19.8	21.8	16.0	16.6
December	19.8	12.8	13.7	14.0
1975				
January	16.9	12.5	13.7	16.3
February	16.9	14.0	12.8	17.4
March	27.3	22.7	18.9	17.2
April	44.2	34.6	29.1	20.3
May	51.2	43.6	40.7	25.6
June	39.8	47.7	59.0	40.1
July	57.3	55.5	63.4	50.3
August	72.4	75.0	66.6	61.9
September	81.4	78.8	72.4	71.5
October	64.0	70.6	78.8	75.9
November	59.6	69.2	79.4	79.1
December	69.2	75.0	77.6	81.4
1976				
January	76.7	82.0	82.8	84.6
February	74.4	84.3	83.1	82.8
March	77.9	84.9	77.0	79.4
April	77.9	81.1	77.0	73.5
May	63.4	70.6	71.5	79.7
June	47.1	57.0	70.9	79.4
July	52.9	47.4	55.2	76.2p
August	49.1	65.1	55.2	72.4p
September	68.9	54.9	61.9	
October	39.0	59.9	67.7p	
November	64.2	53.8	67.4p	
December	68.3	75.6p		
1977				
January	73.8p	70.3p		
February	61.6p			
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			Contract construction			Manufacturing		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
1 ALABAMA	1,158.9	1,197.1	1,181.1	11.9	12.0	11.8	63.2	66.8	62.6	325.2	332.0	328.8
2 Birmingham	305.4	313.3	309.5	8.0	8.3	8.1	17.1	19.0	17.6	65.2	65.2	64.9
3 Huntsville	98.8	101.3	100.0	(1)	(1)	(1)	3.4	4.0	3.4	24.2	26.3	26.5
4 Mobile	124.1	126.2	125.2	(1)	(1)	(1)	9.3	9.3	9.2	26.1	25.1	25.0
5 Montgomery	86.7	87.7	86.8	(1)	(1)	(1)	5.4	5.6	5.4	13.1	13.6	13.4
6 Tuscaloosa	46.2	46.7	46.0	(1)	(1)	(1)	2.8	2.9	2.7	10.6	10.8	10.6
7 ALASKA	158.7	150.7	(*)	4.0	4.2	(*)	28.1	20.2	(*)	7.3	8.3	(*)
8 ARIZONA	732.9	766.7	757.0	23.4	24.9	24.8	40.3	41.0	40.3	97.5	102.4	102.0
9 Phoenix	436.3	457.7	451.9	.4	.4	.4	22.2	23.2	22.7	71.2	75.7	75.6
10 Tucson	143.9	149.6	147.5	7.3	8.2	8.2	9.5	9.4	9.3	12.0	12.1	12.1
11 ARKANSAS ²	632.6	669.7	654.2	4.3	4.8	4.8	30.4	32.9	26.5	183.9	197.2	195.2
12 Fayetteville-Springdale ²	49.9	54.1	52.9	(1)	(1)	(1)	2.2	3.0	2.6	14.5	15.8	15.5
13 Fort Smith ²	56.9	60.1	58.7	.5	.5	.5	2.4	2.5	2.0	20.0	21.0	21.0
14 Little Rock-North Little Rock	153.0	159.2	157.5	(1)	(1)	(1)	7.5	8.6	7.5	27.6	28.4	28.6
15 Pine Bluff ²	26.3	26.7	26.5	(1)	(1)	(1)	1.0	1.0	.8	5.6	5.8	5.9
16 CALIFORNIA ²	7,901.2	8,332.0	8,219.0	34.2	35.3	34.9	296.5	334.9	319.1	1,580.4	1,661.2	1,649.4
17 Anaheim-Santa Ana-Garden Grove ²	578.4	623.5	617.8	2.1	1.8	1.9	24.2	35.1	34.4	154.8	161.7	162.1
18 Bakersfield ²	104.3	109.2	108.3	8.4	8.7	8.7	4.0	4.4	4.4	8.3	8.9	8.9
19 Fresno ²	148.1	156.6	153.1	.8	.8	.8	7.1	7.5	7.5	18.8	20.7	19.4
20 Los Angeles-Long Beach ²	3,042.9	3,196.9	3,163.9	11.1	11.6	11.7	93.7	96.8	93.8	772.3	807.5	805.7
21 Modesto ²	68.8	74.5	72.9	.1	.1	.1	3.7	4.3	4.2	14.2	16.1	15.4
22 Oxnard-Simi Valley-Ventura ²	113.2	118.6	116.9	2.0	2.1	2.1	4.4	4.6	4.4	17.1	18.0	17.8
23 Riverside-San Bernardino-Ontario ²	337.4	351.7	346.8	2.1	2.0	2.3	13.0	13.1	12.3	51.4	53.2	52.0
24 Sacramento ²	320.7	340.3	336.2	.3	.3	.3	13.1	14.1	13.2	20.7	22.2	21.9
25 Salinas-Seaside-Monterey ²	73.5	76.2	74.9	.6	.6	.6	2.7	2.8	2.8	8.2	8.6	8.1
26 San Diego ²	482.3	505.8	502.2	.7	.8	.8	24.1	28.3	28.0	71.3	72.4	72.1
27 San Francisco-Oakland ²	1,340.5	1,393.3	1,370.7	2.3	2.3	2.3	58.1	58.7	56.4	179.0	186.7	184.8
28 San Jose ²	475.3	500.2	494.4	.1	.1	.1	16.5	18.3	17.0	153.8	162.2	161.6
29 Santa Barbara-Santa Maria-Lompoc ²	98.7	103.8	102.8	1.0	1.0	1.0	3.2	3.5	3.5	12.6	13.9	13.5
30 Santa Rosa ²	65.8	70.1	68.5	.4	.4	.4	3.4	3.5	3.4	9.3	10.0	9.8
31 Stockton ²	98.0	102.9	100.6	.1	.1	.1	3.5	3.8	3.5	16.8	17.0	17.2
32 Vallejo-Fairfield-Napa ²	82.4	87.0	85.6	.2	.2	.2	3.2	3.0	2.5	8.1	8.8	8.6
33 COLORADO	946.4	987.2	976.9	19.0	20.5	20.4	48.1	54.2	50.1	136.2	139.6	138.9
34 Denver-Boulder	598.7	627.0	622.4	7.5	8.1	8.1	32.1	36.3	34.4	91.8	94.8	94.5
35 CONNECTICUT	1,209.4	1,247.2	1,219.4	(3)	(3)	(3)	33.2	37.3	32.9	390.9	398.3	396.0
36 Bridgeport	145.6	149.3	147.4	(3)	(3)	(3)	4.0	4.2	3.8	57.3	58.2	58.3
37 Hartford	334.1	343.3	336.2	(3)	(3)	(3)	9.6	9.7	9.2	84.5	84.2	83.7
38 New Britain	54.6	56.5	54.5	(3)	(3)	(3)	1.7	2.1	1.7	26.7	26.5	26.4
39 New Haven-West Haven	170.0	175.2	171.0	(3)	(3)	(3)	5.6	5.5	4.7	43.9	43.2	43.2
40 Stamford	88.3	92.6	91.3	(3)	(3)	(3)	2.4	2.7	2.4	28.2	29.2	29.2
41 Waterbury	80.1	83.3	81.4	(3)	(3)	(3)	2.1	2.4	2.1	33.4	34.4	34.1
42 DELAWARE	227.6	231.3	(*)	(1)	(1)	(*)	14.0	14.0	(*)	69.0	66.6	(*)
43 Wilmington	205.4	208.1	(*)	(1)	(1)	(*)	13.4	13.2	(*)	67.6	65.2	(*)
44 DISTRICT OF COLUMBIA ⁴	572.0	582.9	575.1	(1)	(1)	(1)	18.5	19.8	18.5	15.1	16.3	16.1
45 Washington SMSA	1,323.4	1,368.3	1,358.9	(1)	(1)	(1)	65.7	71.6	66.4	45.1	47.8	49.7
46 FLORIDA	2,746.5	2,769.4	2,755.5	11.1	11.3	11.3	151.2	138.1	137.1	336.0	349.0	350.6
47 Fort Lauderdale-Hollywood	236.8	236.3	238.6	(1)	(1)	(1)	15.8	14.6	14.4	24.3	25.1	25.1
48 Jacksonville	257.0	263.1	261.1	(1)	(1)	(1)	13.8	13.8	13.6	28.8	29.8	29.6
49 Miami	582.2	585.1	583.5	(1)	(1)	(1)	21.5	21.4	20.8	79.7	83.2	83.2
50 Orlando	208.7	213.8	211.9	(1)	(1)	(1)	13.2	13.4	13.4	23.5	23.7	24.0
51 Pensacola	85.3	86.5	85.9	(1)	(1)	(1)	6.7	7.1	7.1	14.0	13.4	13.4
52 Tampa-St. Petersburg	415.6	414.8	417.0	(1)	(1)	(1)	25.2	22.9	23.0	54.5	55.2	55.1
53 West Palm Beach-Boca Raton	145.3	148.8	149.7	(1)	(1)	(1)	10.6	10.0	9.9	17.9	18.2	19.2
54 GEORGIA	1,737.1	1,783.5	1,762.2	6.8	7.4	7.4	73.1	74.9	71.5	453.6	463.9	462.7
55 Atlanta	739.2	752.8	752.9	(1)	(1)	(1)	32.6	32.9	33.0	119.0	122.3	122.6
56 Augusta	104.3	109.5	109.1	(1)	(1)	(1)	4.8	6.3	6.3	32.9	33.3	33.7
57 Columbus	74.7	76.8	75.4	(1)	(1)	(1)	4.7	5.0	4.6	20.9	21.9	21.7
58 Macon	90.8	90.8	90.0	(1)	(1)	(1)	4.6	4.0	4.1	14.1	14.7	14.8
59 Savannah	71.6	75.3	75.1	(1)	(1)	(1)	4.6	4.6	4.6	15.0	15.8	15.8
60 HAWAII	335.5	344.6	340.2	(1)	(1)	(1)	24.8	22.3	21.9	22.9	22.8	23.6
61 Honolulu	282.5	289.9	285.4	(1)	(1)	(1)	21.1	18.6	18.2	16.4	16.4	17.0

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			
JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	
59.1	61.6	61.2	233.2	245.0	237.2	50.6	51.9	51.8	171.2	175.4	176.2	244.5	252.4	251.5	1
22.1	23.2	23.2	73.0	75.9	74.0	19.6	20.1	20.1	52.2	53.1	53.1	48.2	48.5	48.5	2
2.0	2.0	2.1	18.4	19.7	18.9	2.8	2.8	2.8	15.8	15.9	15.8	32.2	30.6	30.5	3
9.1	9.7	9.4	29.6	29.9	29.5	6.0	6.3	6.3	23.4	24.3	24.3	20.6	21.6	21.5	4
4.2	4.2	4.2	20.6	21.0	20.5	5.1	5.2	5.1	15.5	15.3	15.3	22.8	22.8	22.9	5
1.7	1.7	1.7	7.9	8.2	8.0	1.4	1.5	1.5	5.3	5.4	5.4	16.5	16.2	16.1	6
15.3	15.6	(*)	27.0	27.0	(*)	6.6	6.9	(*)	24.6	23.3	(*)	45.8	45.2	(*)	7
38.6	39.5	39.3	178.9	186.4	182.8	42.0	43.0	43.2	138.7	146.3	146.9	173.5	183.2	177.7	8
23.0	23.7	23.5	115.9	122.3	119.7	32.3	33.4	33.7	85.3	88.7	89.1	86.0	90.3	87.2	9
7.6	7.6	7.6	32.2	33.2	32.4	5.9	5.8	5.8	29.0	30.0	30.1	40.4	43.3	42.0	10
36.8	37.7	37.4	134.7	146.9	141.3	27.0	28.6	28.5	90.4	95.3	95.1	125.1	126.3	125.4	11
2.9	2.9	2.9	11.6	13.0	12.6	1.7	1.8	1.8	6.7	7.1	7.1	10.3	10.5	10.4	12
3.0	3.3	3.1	12.2	13.6	13.0	2.0	2.2	2.1	9.4	10.1	10.0	7.4	6.9	7.0	13
10.9	11.0	11.0	35.6	38.4	37.5	11.1	11.7	11.8	27.4	27.9	27.9	32.9	33.2	33.2	14
3.3	3.4	3.4	5.5	5.5	5.4	1.2	1.2	1.2	3.9	4.0	4.0	5.8	5.8	5.8	15
453.9	467.6	466.4	1,815.6	1,971.0	1,894.2	457.5	478.5	478.8	1,568.2	1,638.6	1,635.2	1,694.9	1,744.9	1,741.0	16
18.0	19.0	19.0	141.3	155.4	150.7	31.2	34.1	34.2	110.2	116.0	115.8	96.6	100.4	99.7	17
6.5	7.1	7.0	26.5	27.7	26.6	3.8	3.9	3.9	16.9	17.5	17.6	29.9	31.0	31.2	18
8.5	9.1	8.8	38.2	42.8	40.8	7.6	8.0	8.0	27.5	28.4	28.5	39.6	39.3	39.3	19
170.3	176.3	176.7	699.8	756.9	732.9	185.2	190.9	191.6	626.2	664.0	660.0	484.3	492.9	491.5	20
3.1	3.3	3.2	16.7	18.1	17.4	2.0	2.1	2.1	13.0	13.4	13.4	16.0	17.1	17.1	21
4.2	4.6	4.6	26.3	28.2	27.3	4.3	4.5	4.5	19.1	20.5	20.3	35.8	36.1	35.9	22
18.6	19.1	19.2	80.9	86.5	83.5	13.1	13.6	13.6	69.4	71.9	71.8	88.9	92.3	92.1	23
16.7	17.3	17.2	72.3	80.0	77.3	14.3	15.3	15.4	54.8	57.7	57.8	128.5	133.4	133.1	24
4.2	4.3	4.2	18.3	19.9	19.1	3.3	3.3	3.3	14.5	14.7	14.7	21.7	22.0	22.1	25
22.3	22.9	23.1	111.0	119.7	117.6	25.4	26.7	27.1	98.1	102.0	102.1	129.4	133.0	131.4	26
119.1	120.5	119.0	302.4	322.3	311.4	114.2	116.5	116.2	270.3	281.4	278.5	295.1	304.9	302.1	27
17.8	18.3	18.4	94.3	103.0	99.7	19.2	20.3	20.3	99.7	101.2	101.5	74.0	76.8	75.8	28
3.3	3.4	3.4	23.5	25.4	24.9	4.3	4.4	4.4	24.1	24.7	24.6	26.7	27.5	27.5	29
3.2	3.3	3.2	15.8	17.6	16.9	3.6	3.7	3.7	12.5	13.0	12.9	17.6	18.6	18.2	30
6.8	7.5	6.9	22.3	24.6	23.2	4.0	4.1	4.1	18.4	19.5	19.3	26.1	26.3	26.3	31
3.9	4.0	4.0	15.2	16.5	15.6	2.5	2.6	2.6	14.3	15.0	15.1	35.0	36.9	37.0	32
59.8	60.5	60.6	227.1	241.4	236.4	56.6	60.1	59.5	186.1	194.0	195.7	213.5	216.9	215.4	33
40.3	40.2	40.3	150.4	159.7	156.7	42.3	44.6	44.2	120.7	126.1	127.4	113.7	117.1	116.9	34
51.6	51.8	50.7	250.2	267.1	253.0	84.9	86.5	86.2	220.9	230.5	226.7	177.8	175.8	174.1	35
6.1	6.0	5.9	29.9	31.8	30.8	6.0	6.0	6.1	24.6	25.3	24.9	17.7	17.7	17.7	36
12.0	12.0	11.8	71.3	76.9	72.9	49.1	51.0	50.0	56.3	58.1	57.8	51.4	51.5	50.8	37
1.6	1.8	1.7	8.8	10.0	9.0	1.5	1.5	1.5	7.4	7.8	7.5	6.8	6.7	6.7	38
14.4	14.5	14.4	34.9	37.0	34.9	8.8	9.0	9.1	38.8	42.3	41.3	23.5	23.9	23.4	39
3.0	2.8	2.8	19.8	21.2	20.3	6.1	6.2	6.3	19.8	20.8	20.6	9.1	9.7	9.7	40
3.0	3.0	3.0	13.9	15.2	14.1	2.7	2.9	2.8	14.3	15.1	14.9	10.9	10.3	10.4	41
11.5	11.6	(*)	46.1	46.5	(*)	11.3	11.3	(*)	36.8	37.8	(*)	38.9	43.5	(*)	42
10.4	10.6	(*)	38.4	39.7	(*)	10.4	10.2	(*)	32.6	33.6	(*)	32.6	35.6	(*)	43
28.1	29.1	28.7	65.4	68.6	67.2	32.6	33.1	32.9	146.3	150.5	146.0	266.0	265.5	265.7	44
62.6	63.9	64.9	254.2	274.2	266.8	76.9	79.8	77.8	306.4	313.9	318.6	512.5	517.1	514.7	45
179.9	190.9	190.7	727.0	737.9	721.8	190.4	192.0	193.2	596.3	601.4	608.2	554.6	548.8	542.6	46
13.6	13.8	13.8	70.2	70.5	70.5	18.4	18.9	19.0	56.7	54.0	56.6	37.8	39.4	39.2	47
20.7	20.8	20.9	68.3	71.9	70.2	27.2	27.1	27.1	46.2	46.4	46.5	52.0	53.3	53.2	48
58.5	58.0	57.5	152.1	150.4	149.3	43.4	44.4	44.7	142.1	140.8	141.5	84.9	86.9	86.5	49
11.6	11.8	11.6	58.9	60.9	59.9	14.0	14.0	14.0	51.6	53.8	52.9	35.9	36.2	36.1	50
4.2	4.2	4.2	18.3	19.3	18.7	3.5	3.5	3.5	14.6	14.9	15.0	24.0	24.1	24.0	51
26.2	25.9	25.8	120.5	120.7	120.5	28.7	29.2	29.4	90.3	89.7	91.2	70.2	71.2	72.0	52
6.5	6.5	6.5	39.8	40.9	40.8	10.4	10.6	10.7	36.7	37.7	38.3	23.4	24.9	24.3	53
113.2	114.4	112.9	379.4	397.3	383.3	95.6	95.5	94.5	252.7	257.4	257.2	362.7	372.6	372.7	54
68.1	69.0	68.7	202.0	207.3	207.1	57.7	58.0	57.9	132.3	134.8	135.0	127.5	128.5	128.7	55
3.8	3.8	3.9	18.5	20.5	19.9	3.6	3.7	3.6	13.4	14.6	14.6	27.3	27.2	27.2	56
2.7	2.8	2.6	14.3	15.4	14.2	4.5	4.7	4.6	9.7	9.7	10.3	17.9	17.3	17.3	57
3.6	3.5	3.5	18.4	19.5	18.7	5.5	5.3	5.2	14.0	13.8	13.6	30.6	30.0	30.0	58
7.3	7.0	7.1	16.3	17.7	17.5	3.6	3.7	3.7	11.5	12.5	12.5	13.3	14.0	14.0	59
25.4	25.8	25.8	84.6	87.6	86.1	23.4	24.1	24.2	72.9	75.3	75.4	81.5	86.7	83.2	60
21.4	21.8	21.8	72.0	75.0	73.6	21.1	21.6	21.7	60.4	62.1	62.0	70.1	74.4	71.1	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			Contract construction			Manufacturing		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
1 IDAHO ⁵	271.2	298.0	290.8	3.5	3.2	3.2	13.0	17.8	14.8	49.0	53.9	53.2
2 Boise City ⁶	60.5	66.0	65.0	(1)	(1)	(1)	4.4	5.1	4.4	5.8	6.4	6.4
3 ILLINOIS ⁶	4,397.4	4,539.2	4,452.6	25.6	27.0	26.1	150.8	167.7	146.3	1,184.6	1,211.1	1,204.6
4 Bloomington—Normal ⁶	46.3	47.9	46.9	(3)	(3)	(3)	.9	1.2	1.0	7.0	7.2	7.2
5 Champaign—Urbana—Rantoul ⁶	64.0	67.1	63.7	(3)	(3)	(3)	2.3	2.9	2.6	6.3	6.4	6.1
6 Chicago—Gary	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
7 Chicago SMSA ⁷	2,947.3	3,066.0	3,027.2	4.1	4.1	4.0	92.1	102.7	96.5	793.7	815.4	812.9
8 Davenport—Rock Island—Moline ⁶	147.9	154.4	153.1	(3)	(3)	(3)	5.6	5.7	5.0	47.1	50.3	51.0
9 Decatur ⁶	51.8	54.6	53.9	(3)	(3)	(3)	2.6	3.2	3.1	19.3	19.5	19.6
10 Peoria ⁶	143.4	146.4	144.0	(3)	(3)	(3)	7.4	8.7	7.7	52.3	51.1	51.8
11 Rockford ⁶	108.7	114.3	112.4	(3)	(3)	(3)	2.5	3.2	2.7	49.1	51.6	51.7
12 Springfield ⁶	77.6	79.4	77.7	(3)	(3)	(3)	2.9	4.0	3.4	8.6	8.3	8.2
13 INDIANA ²	1,933.7	2,035.0	1,991.4	7.5	7.8	6.7	66.9	77.4	65.4	655.1	688.6	684.1
14 Evansville ²	108.3	111.8	110.2	2.3	2.4	2.3	4.6	5.1	4.4	34.2	35.3	35.8
15 Fort Wayne ²	150.4	158.2	155.3	(1)	(1)	(1)	5.5	6.2	5.6	53.3	56.8	56.2
16 Gary—Hammond—East Chicago ^{2,7}	226.5	235.1	230.7	(1)	(1)	(1)	10.9	12.6	11.5	94.0	97.2	96.6
17 Indianapolis ²	455.6	467.5	461.3	(1)	(1)	(1)	14.8	17.0	14.8	118.9	120.7	119.8
18 Muncie ²	45.3	48.4	47.4	(1)	(1)	(1)	1.3	1.8	1.5	14.6	15.0	14.8
19 South Bend ²	100.3	103.5	101.2	(1)	(1)	(1)	3.8	4.0	3.8	30.8	32.0	32.1
20 Terre Haute ²	56.6	57.9	56.6	1.1	1.1	1.1	1.7	1.9	1.6	15.0	15.2	14.8
21 IOWA	989.3	1,030.4	1,009.6	2.3	2.6	2.3	38.9	44.1	38.8	228.6	237.6	236.6
22 Cedar Rapids	73.1	75.6	74.8	(1)	(1)	(1)	3.0	2.6	2.4	26.4	27.8	27.7
23 Des Moines	155.4	159.0	157.6	(1)	(1)	(1)	6.2	6.3	5.9	24.5	24.5	24.2
24 Dubuque	39.4	40.5	40.0	(1)	(1)	(1)	1.1	1.0	.9	15.5	16.2	16.1
25 Sioux City	48.9	49.7	49.2	(1)	(1)	(1)	2.7	3.4	3.1	12.4	11.5	11.9
26 Waterloo—Cedar Falls	56.9	58.9	57.9	(1)	(1)	(1)	2.0	2.1	1.8	20.4	20.8	20.7
27 KANSAS	804.8	841.9	(*)	10.5	10.9	(*)	35.4	41.1	(*)	161.1	164.2	(*)
28 Topeka	75.1	77.1	(*)	.1	.1	(*)	2.3	3.0	(*)	10.3	10.4	(*)
29 Wichita	157.1	173.9	(*)	2.0	2.2	(*)	7.2	8.6	(*)	52.0	53.0	(*)
30 KENTUCKY	1,042.6	1,079.3	1,062.1	44.0	44.5	44.0	44.3	52.8	40.4	257.3	265.3	264.2
31 Lexington—Fayette	119.8	125.6	123.0	(1)	(1)	(1)	5.0	5.1	4.7	29.4	30.0	29.6
32 Louisville	344.0	342.7	341.4	(1)	(1)	(1)	11.9	13.6	11.8	105.4	97.3	103.1
33 LOUISIANA ²	1,276.0	1,317.2	1,303.9	61.7	62.7	62.7	98.3	118.4	117.1	188.5	193.8	192.9
34 Baton Rouge	158.5	157.9	(*)	.9	.9	(*)	17.6	18.1	(*)	21.5	22.3	(*)
35 Lake Charles ²	50.5	53.0	52.5	1.5	1.6	1.6	4.8	5.7	5.5	10.9	11.5	11.3
36 Monroe	43.1	43.8	(*)	.4	.3	(*)	3.8	3.8	(*)	6.7	6.8	(*)
37 New Orleans	422.2	431.9	(*)	15.4	16.6	(*)	26.1	26.7	(*)	49.1	50.0	(*)
38 Shreveport ²	125.9	129.1	127.8	4.6	4.7	4.6	7.7	7.9	7.9	25.0	25.7	25.8
39 MAINE ²	353.6	377.2	365.9	(1)	(1)	(1)	17.2	21.1	18.5	98.8	102.0	101.0
40 Lewiston—Auburn ²	30.0	32.3	31.7	(1)	(1)	(1)	1.0	1.2	1.1	11.3	12.1	12.1
41 Portland ²	76.5	82.6	79.6	(1)	(1)	(1)	3.4	4.0	3.6	15.8	15.7	15.6
42 MARYLAND ^{2,8}	1,473.9	1,534.6	1,493.8	1.7	1.7	1.7	86.2	92.4	83.6	225.2	230.5	227.5
43 Baltimore ²	838.5	866.2	845.7	(1)	(1)	(1)	40.9	43.3	39.3	158.7	159.7	157.8
44 MASSACHUSETTS	2,253.4	2,323.5	2,281.1	(1)	(1)	(1)	62.7	62.9	54.0	578.7	593.3	589.5
45 Boston	1,244.4	1,270.6	1,242.3	(1)	(1)	(1)	38.1	37.1	31.7	251.6	258.8	254.8
46 Brockton	49.2	51.7	50.5	-	-	-	1.2	1.4	.9	11.4	11.6	11.7
47 Fall River	49.2	48.8	48.0	(1)	(1)	(1)	(1)	(1)	(1)	20.6	19.2	19.2
48 Lawrence—Haverhill	91.1	92.6	90.1	(1)	(1)	(1)	1.8	1.9	1.6	36.5	35.3	34.4
49 Lowell	59.4	62.5	59.7	(1)	(1)	(1)	1.6	1.7	1.3	20.1	20.8	20.8
50 New Bedford	57.4	58.5	57.6	(1)	(1)	(1)	1.0	.9	.8	23.9	24.4	24.4
51 Springfield—Chicopee—Holyoke	207.2	214.7	210.9	(1)	(1)	(1)	5.2	5.9	4.7	62.1	62.8	62.6
52 Worcester	140.4	146.5	143.3	(1)	(1)	(1)	3.7	4.2	3.7	41.2	42.7	42.5
53 MICHIGAN	3,125.3	3,293.5	(*)	11.9	11.3	(*)	79.0	83.5	(*)	1,007.7	1,084.6	(*)
54 Ann Arbor	113.3	123.6	(*)	(1)	(1)	(*)	1.3	1.8	(*)	33.0	39.0	(*)
55 Battle Creek	62.0	63.5	(*)	(1)	(1)	(*)	1.2	1.4	(*)	22.5	22.5	(*)
56 Bay City	32.2	33.1	(*)	(1)	(1)	(*)	.9	1.3	(*)	10.4	10.0	(*)
57 Detroit	1,578.0	1,657.5	(*)	1.1	1.1	(*)	33.7	40.1	(*)	531.7	572.4	(*)
58 Flint	181.2	189.5	(*)	(1)	(1)	(*)	4.6	4.3	(*)	76.5	81.1	(*)
59 Grand Rapids	209.5	224.3	(*)	(1)	(1)	(*)	8.0	7.9	(*)	70.7	74.1	(*)
60 Jackson	49.0	49.9	(*)	(1)	(1)	(*)	1.2	1.4	(*)	14.6	15.2	(*)
61 Kalamazoo—Portage	94.3	100.7	(*)	(1)	(1)	(*)	3.5	3.5	(*)	32.1	33.0	(*)
62 Lansing—East Lansing	156.8	171.2	(*)	(1)	(1)	(*)	4.8	4.8	(*)	36.8	42.0	(*)
63 Muskegon—Norton Shores—Muskegon Hgts.	54.5	53.1	(*)	(1)	(1)	(*)	1.5	1.9	(*)	21.2	22.4	(*)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government		
JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
16.4	17.7	17.5	69.8	76.8	74.2	12.6	15.6	15.8	45.6	49.3	49.1	61.3	63.7	63.0
3.8	4.0	4.1	16.8	18.4	18.0	4.3	5.2	5.2	10.4	11.2	11.3	15.1	15.7	15.6
270.5	276.3	271.0	1,012.9	1,068.3	1,028.1	255.1	258.5	258.5	784.4	806.2	802.9	713.6	724.1	715.0
2.9	3.1	3.1	10.4	11.3	10.9	6.3	6.5	6.6	7.1	7.1	6.9	11.7	11.6	11.3
2.4	2.6	2.5	13.5	15.0	14.3	2.0	2.0	2.0	9.0	9.3	9.1	28.5	29.0	27.0
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
185.3	186.6	185.6	698.4	751.9	733.1	192.9	194.7	193.9	565.6	588.7	585.4	415.2	421.9	415.7
7.4	7.2	7.5	36.1	38.7	37.4	6.3	6.3	6.3	19.5	20.2	20.0	25.8	26.0	25.9
3.9	4.3	4.2	9.9	10.7	10.4	2.1	2.3	2.3	8.8	9.4	9.2	5.3	5.2	5.2
7.4	7.8	7.7	31.2	32.9	31.8	6.4	6.7	6.7	22.8	24.3	24.0	15.8	14.9	14.1
4.4	4.8	4.7	22.1	23.2	22.4	3.3	3.3	3.2	15.3	16.2	15.8	12.0	12.0	11.9
5.0	5.2	5.2	16.1	16.2	15.4	6.6	6.6	6.6	13.0	13.9	13.7	25.4	25.2	25.2
99.2	101.8	101.1	416.0	449.6	431.9	88.5	90.8	90.7	272.3	284.2	281.0	328.3	334.8	330.5
5.8	6.0	5.9	25.4	26.5	25.8	3.8	3.9	3.8	20.2	20.5	20.5	12.0	12.1	11.7
9.7	10.0	9.9	35.2	37.6	36.0	8.6	9.0	9.0	22.7	23.3	23.2	15.4	15.3	15.4
13.6	14.1	13.8	41.7	43.6	42.3	7.7	7.9	7.9	29.6	30.6	30.2	29.0	29.1	28.4
27.7	28.6	28.6	110.1	113.9	111.8	32.4	32.7	32.7	69.3	72.3	71.4	82.4	82.3	82.2
1.9	1.9	1.9	9.8	11.0	10.6	1.4	1.4	1.4	6.3	6.7	6.6	10.5	10.6	10.6
4.8	4.9	4.9	23.1	24.5	23.9	5.4	4.9	4.8	20.6	21.4	20.1	11.8	11.8	11.6
4.1	4.1	3.9	13.6	13.9	13.7	1.8	1.9	1.8	8.0	8.2	8.1	11.3	11.6	11.6
53.9	54.5	53.8	244.3	259.4	250.3	46.8	47.8	47.8	177.2	185.0	181.4	197.4	199.5	198.5
3.6	3.6	3.5	15.4	15.8	15.6	3.4	3.5	3.5	12.5	13.1	13.0	8.8	9.2	9.1
10.4	10.5	10.4	39.4	41.9	40.7	17.5	17.5	17.7	29.9	31.4	31.5	27.6	26.9	27.2
1.6	1.6	1.6	8.1	8.3	8.1	1.1	1.1	1.1	8.5	8.7	8.7	3.5	3.5	3.5
3.6	3.6	3.6	12.1	12.3	11.9	2.4	2.4	2.4	9.6	9.9	9.9	6.2	6.6	6.5
2.3	2.2	2.2	12.1	12.8	12.5	1.6	1.6	1.6	8.5	8.8	8.8	10.0	10.6	10.3
55.5	56.9	(*)	195.5	209.3	(*)	38.7	40.1	(*)	135.3	141.6	(*)	172.8	177.8	(*)
7.1	6.9	(*)	15.9	16.8	(*)	5.4	5.6	(*)	13.4	13.8	(*)	20.6	20.5	(*)
8.3	8.5	(*)	37.2	38.3	(*)	8.0	8.4	(*)	30.4	31.5	(*)	22.0	23.4	(*)
57.9	62.2	63.4	212.9	218.1	213.4	41.5	42.4	42.5	165.4	169.5	169.7	219.3	224.5	224.5
5.6	6.0	5.6	25.5	28.1	26.1	5.3	5.6	5.5	18.3	18.5	19.3	30.7	32.3	32.2
21.7	22.1	21.7	74.6	76.7	72.8	19.5	20.2	20.0	60.4	62.1	61.4	50.5	50.7	50.6
98.9	100.5	98.5	295.6	301.4	292.1	61.2	60.6	60.4	217.0	224.2	224.6	254.8	255.6	255.6
8.6	9.1	(*)	30.2	30.5	(*)	8.9	8.3	(*)	22.1	19.9	(*)	48.7	48.8	(*)
3.0	3.1	3.1	11.2	11.5	11.4	2.1	2.2	2.2	8.1	8.6	8.6	9.0	8.8	8.8
2.6	2.6	(*)	11.6	12.2	(*)	3.1	3.2	(*)	5.2	6.2	(*)	8.7	8.7	(*)
43.5	43.9	(*)	107.7	111.4	(*)	25.7	25.9	(*)	85.6	87.7	(*)	69.1	69.7	(*)
9.7	9.4	9.4	31.6	33.4	32.4	5.8	5.8	5.8	21.0	21.6	21.2	20.5	20.6	20.7
17.3	17.7	17.2	73.9	80.5	77.3	14.2	14.6	14.7	58.8	63.0	62.2	73.4	78.3	75.0
1.1	1.2	1.2	6.8	7.5	7.2	1.3	1.3	1.3	5.7	6.0	5.9	2.8	3.0	2.9
4.7	4.9	4.8	19.8	22.9	21.9	6.2	6.6	6.6	14.6	15.6	15.4	12.1	12.9	11.7
78.2	78.7	78.2	354.0	382.1	361.9	79.1	80.1	79.8	280.5	290.7	288.9	369.0	378.4	372.2
54.4	55.4	54.6	191.8	205.0	195.9	48.0	48.9	48.4	155.8	160.9	160.2	188.9	193.0	189.5
111.7	112.6	111.3	512.2	537.5	517.9	133.1	131.4	131.1	495.0	516.7	513.1	360.0	369.1	364.2
67.1	66.5	65.8	286.5	297.0	281.8	91.4	90.7	91.2	315.8	327.7	325.4	193.9	192.8	191.6
3.7	3.6	3.5	14.5	15.4	15.0	1.7	1.7	1.7	7.7	8.5	8.4	9.0	9.5	9.3
1.9	1.9	1.9	9.6	10.2	9.6	(1)	(1)	(1)	11.4	11.7	11.6	5.7	5.8	5.7
3.3	3.2	2.9	18.2	19.8	19.0	3.3	3.3	3.3	14.0	14.3	14.3	14.0	14.8	14.6
2.5	2.6	2.6	13.0	13.9	13.0	1.9	1.9	1.8	9.9	10.2	10.0	10.4	10.4	10.2
2.6	2.4	2.5	10.8	11.0	10.4	(1)	(1)	(1)	11.4	11.7	11.5	7.7	8.1	8.0
8.5	8.3	8.2	45.3	46.8	45.6	11.2	11.2	11.3	36.2	37.3	36.6	38.7	42.4	41.9
7.1	7.2	7.0	30.1	31.5	29.8	7.9	8.1	8.0	26.4	28.2	27.8	24.0	24.6	24.5
143.3	146.3	(*)	649.6	681.6	(*)	127.9	131.2	(*)	512.1	532.7	(*)	593.9	622.2	(*)
2.6	2.3	(*)	17.0	18.0	(*)	3.1	3.3	(*)	15.5	16.9	(*)	40.9	42.3	(*)
2.4	2.3	(*)	10.4	10.6	(*)	3.8	3.8	(*)	9.7	10.1	(*)	12.2	12.8	(*)
2.0	1.8	(*)	7.2	8.2	(*)	1.0	1.0	(*)	5.8	5.8	(*)	5.1	5.0	(*)
76.6	78.6	(*)	317.8	333.9	(*)	74.8	76.8	(*)	278.8	286.9	(*)	258.4	267.6	(*)
5.8	6.6	(*)	35.7	39.5	(*)	5.0	5.2	(*)	23.9	23.8	(*)	29.6	29.2	(*)
10.1	9.3	(*)	49.2	55.6	(*)	6.3	8.2	(*)	38.3	38.2	(*)	25.0	31.1	(*)
4.3	4.2	(*)	9.5	9.3	(*)	1.5	1.5	(*)	8.7	9.1	(*)	9.1	9.0	(*)
3.0	3.2	(*)	18.7	20.5	(*)	3.1	3.2	(*)	15.4	17.3	(*)	18.6	20.0	(*)
3.7	4.0	(*)	28.7	30.4	(*)	7.3	7.7	(*)	21.0	23.2	(*)	54.7	59.1	(*)
2.9	3.1	(*)	10.3	10.7	(*)	1.6	1.6	(*)	7.9	8.5	(*)	9.2	10.9	(*)

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JAN. 1976	DEC. 1976	JAN. 1977 ^D	JAN. 1976	DEC. 1976	JAN. 1977 ^P	JAN. 1976	DEC. 1976	JAN. 1977 ^P	JAN. 1976	DEC. 1976	JAN. 1977 ^P
MICHIGAN—Continued												
1 Saginaw	78.6	84.4	(*)	(1)	(1)	(*)	2.0	2.0	(*)	31.6	33.3	(*)
MINNESOTA	1,454.4	1,529.5	(*)	12.5	14.4	(*)	52.0	58.9	(*)	304.6	317.3	(*)
2 Duluth—Superior	55.0	56.3	(*)	(1)	(1)	(*)	2.1	2.3	(*)	7.5	7.3	(*)
4 Minneapolis—St. Paul	888.9	923.8	(*)	(1)	(1)	(*)	30.0	33.8	(*)	196.7	203.2	(*)
MISSISSIPPI²	704.9	743.3	735.4	6.7	7.2	7.2	34.8	40.9	39.0	211.6	219.9	219.0
6 Jackson ²	119.5	123.7	122.6	1.0	1.0	1.0	5.2	6.6	6.3	17.7	18.1	18.1
MISSOURI	1,713.8	1,769.1	1,738.4	7.5	8.0	6.8	59.1	65.1	53.7	408.4	420.5	422.7
7 Kansas City	540.4	554.4	544.9	.6	.6	.5	21.8	22.4	18.0	107.8	111.2	112.7
9 St. Joseph	34.9	35.8	35.2	(3)	(3)	(3)	1.5	1.8	1.6	9.3	9.4	9.2
10 St. Louis	897.5	910.8	893.4	2.5	2.6	2.4	34.9	35.3	26.0	240.3	246.1	247.4
11 Springfield	69.7	73.2	72.6	.1	.1	.1	2.3	2.7	2.4	17.0	17.3	17.5
MONTANA	235.3	246.9	244.4	6.1	5.8	5.8	10.0	10.9	9.7	21.9	23.1	23.0
13 Billings	38.5	42.0	41.3	(1)	(1)	(1)	1.8	2.2	2.1	3.5	3.9	3.8
14 Great Falls	26.9	28.9	28.4	(1)	(1)	(1)	1.2	1.7	1.5	1.7	1.7	1.7
NEBRASKA	547.9	569.7	558.9	1.3	1.4	1.4	23.3	22.6	20.7	85.9	90.9	90.7
16 Lincoln	88.3	92.0	90.2	-	-	-	3.8	3.8	3.2	12.8	13.8	13.9
17 Omaha	229.6	238.9	234.2	(3)	(3)	(3)	10.0	10.1	8.9	32.6	35.2	35.0
NEVADA²	260.2	285.8	281.5	4.0	3.6	3.7	12.6	14.8	14.2	12.4	13.4	13.4
19 Las Vegas ²	143.9	150.8	154.9	.2	.2	.2	7.4	7.6	7.6	5.0	5.3	5.2
20 Reno ²	72.8	82.7	80.4	.3	.4	.4	3.6	5.0	4.6	5.2	5.7	5.7
NEW HAMPSHIRE²	292.7	316.9	310.6	.3	.4	.3	10.2	14.6	12.2	89.9	96.0	95.8
22 Manchester	55.6	58.6	57.1	(1)	(1)	(1)	1.6	1.9	1.7	16.3	16.8	16.6
23 Nashua	43.1	44.9	44.0	(1)	(1)	(1)	1.0	1.3	1.2	19.9	20.1	20.0
NEW JERSEY	2,622.8	2,685.2	2,620.5	2.5	2.8	2.8	79.1	83.2	71.9	722.5	723.0	714.6
24 Atlantic City	56.6	57.9	57.1	-	-	-	2.1	2.3	1.9	7.4	7.5	7.3
26 Camden ⁹	280.2	286.6	280.8	.1	.1	.1	11.5	12.5	11.9	62.5	62.5	62.7
27 Hackensack ¹⁰	333.2	343.9	335.9	(1)	(1)	(1)	9.4	10.0	8.0	99.6	99.6	98.0
28 Jersey City ¹⁰	230.2	229.1	224.2	-	-	-	3.7	4.2	3.8	73.9	70.0	68.5
29 Long Branch—Asbury Park	132.0	139.1	134.8	(1)	(1)	(1)	3.5	4.1	4.0	21.9	22.3	22.3
30 New Burns—Perth Amboy—Sayreville ¹⁰	234.4	240.2	234.7	(1)	(1)	(1)	7.1	9.2	7.5	77.0	75.2	74.7
31 Newark ¹⁰	833.2	852.3	828.4	.8	.8	.8	26.0	27.0	22.9	227.9	232.7	230.3
32 Paterson—Clifton—Passaic ¹⁰	171.9	177.3	171.5	(1)	(1)	(1)	4.0	4.4	3.4	62.8	63.4	61.9
33 Trenton	149.9	157.5	155.1	(1)	(1)	(1)	2.2	3.2	2.7	37.1	37.8	37.6
34 Vineland—Millville—Bridgeton	48.8	50.4	49.3	(1)	(1)	(1)	1.3	1.2	.9	17.4	17.8	17.8
NEW MEXICO²	373.5	396.7	389.2	20.8	21.7	22.0	22.6	24.3	22.9	28.9	30.6	30.3
36 Albuquerque ²	149.0	159.2	155.6	(1)	(1)	(1)	8.9	9.5	8.8	15.9	16.1	15.9
NEW YORK	6,618.3	6,731.5	(*)	6.6	7.1	(*)	173.2	185.5	(*)	1,372.2	1,407.7	(*)
38 Albany—Schenectady—Troy	297.9	305.3	(*)	(1)	(1)	(*)	8.8	8.5	(*)	59.4	61.5	(*)
39 Binghamton	105.5	111.8	(*)	(1)	(1)	(*)	3.3	3.8	(*)	37.9	39.8	(*)
40 Buffalo	473.6	490.4	(*)	(1)	(1)	(*)	12.2	13.4	(*)	138.5	141.7	(*)
41 Elmira	36.2	36.1	(*)	(1)	(1)	(*)	.9	1.1	(*)	12.3	11.4	(*)
42 Monroe County ¹¹	311.9	325.0	(*)	(1)	(1)	(*)	7.2	8.2	(*)	123.5	127.3	(*)
43 Nassau—Suffolk ¹²	767.5	801.9	(*)	(1)	(1)	(*)	24.5	26.5	(*)	136.9	137.9	(*)
44 New York—Northeastern New Jersey	6,135.5	6,229.0	(*)	2.3	2.4	(*)	159.0	164.5	(*)	1,261.1	1,273.7	(*)
45 New York and Nassau—Suffolk ¹⁰	4,332.6	4,384.3	(*)	1.9	2.0	(*)	108.8	109.5	(*)	719.9	733.6	(*)
46 New York SMSA ¹²	3,565.1	3,582.4	(*)	1.8	1.9	(*)	84.2	83.0	(*)	583.0	595.8	(*)
47 New York City ¹³	3,182.7	3,185.5	(*)	1.5	1.6	(*)	71.5	69.4	(*)	505.7	515.7	(*)
48 Poughkeepsie	84.9	86.4	(*)	(1)	(1)	(*)	2.5	2.6	(*)	27.2	27.1	(*)
49 Rochester	380.2	396.7	(*)	(1)	(1)	(*)	8.6	10.0	(*)	141.1	146.6	(*)
50 Rockland County ¹³	71.3	73.7	(*)	(1)	(1)	(*)	1.6	1.7	(*)	13.3	14.3	(*)
51 Syracuse	230.5	245.6	(*)	(1)	(1)	(*)	8.3	10.7	(*)	53.1	55.5	(*)
52 Utica—Rome	105.7	108.4	(*)	(1)	(1)	(*)	1.9	2.3	(*)	29.7	29.9	(*)
53 Westchester County ¹³	301.4	312.7	(*)	(1)	(1)	(*)	10.5	11.2	(*)	63.0	64.8	(*)
NORTH CAROLINA	1,960.2	2,002.1	(*)	4.0	4.2	(*)	97.7	95.7	(*)	726.8	734.3	(*)
54 Asheville	56.5	61.4	(*)	(1)	(1)	(*)	2.8	3.1	(*)	18.7	19.2	(*)
56 Charlotte—Gastonia	268.3	275.2	(*)	(1)	(1)	(*)	14.7	13.8	(*)	79.3	81.5	(*)
57 Greensboro—Winston-Salem—High Pt.	329.7	337.8	(*)	(1)	(1)	(*)	13.4	13.6	(*)	134.0	136.1	(*)
58 Raleigh—Durham	208.9	217.0	(*)	(1)	(1)	(*)	9.8	10.0	(*)	34.6	35.5	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	
4.0	3.9	(*)	15.2	18.1	(*)	3.2	3.4	(*)	11.6	12.5	(*)	11.1	11.3	(*)	1
90.3	94.4	(*)	368.6	395.6	(*)	74.6	76.6	(*)	281.4	296.7	(*)	270.2	275.5	(*)	2
6.3	6.7	(*)	14.0	15.5	(*)	2.1	2.1	(*)	11.6	11.3	(*)	11.5	11.0	(*)	3
59.4	61.6	(*)	225.3	239.9	(*)	55.2	56.6	(*)	178.1	187.3	(*)	144.3	141.5	(*)	4
33.5	35.0	34.5	135.4	150.0	144.2	28.1	29.2	29.2	99.2	103.6	103.8	155.7	157.5	158.5	5
7.3	7.6	7.6	27.4	28.7	28.0	9.2	9.6	9.6	23.1	24.4	24.1	27.6	27.7	27.9	6
121.4	123.2	122.1	406.1	421.5	407.6	92.3	92.9	92.5	304.7	313.2	311.0	314.3	324.7	322.0	7
49.5	49.9	49.4	140.7	147.9	142.8	36.2	36.6	36.6	101.4	104.8	103.5	82.4	81.0	81.4	8
2.4	2.4	2.4	8.5	9.1	9.0	1.5	1.6	1.6	5.9	5.8	5.7	5.8	5.7	5.7	9
63.0	63.6	62.9	204.8	209.3	203.7	48.2	48.5	48.4	174.3	172.3	171.6	129.5	133.1	131.0	10
5.0	5.2	5.2	18.6	19.9	19.7	2.6	2.8	2.9	13.7	14.1	14.0	10.4	11.1	10.8	11
18.8	19.5	19.5	57.8	61.4	60.6	10.3	10.8	10.9	44.7	47.4	47.4	65.7	68.0	67.5	12
3.3	3.3	3.3	12.6	13.7	13.6	2.0	2.1	2.1	8.1	8.3	8.2	7.2	8.5	8.2	13
1.8	1.9	1.9	8.2	8.9	8.7	1.9	2.0	2.0	6.2	6.8	6.7	5.9	5.9	5.9	14
40.4	42.9	42.3	141.6	152.9	149.0	34.1	35.6	35.4	98.9	102.6	100.9	122.4	120.8	118.5	15
5.7	5.9	6.0	18.4	19.7	19.5	6.1	6.3	6.2	15.3	15.5	15.4	26.2	27.0	26.0	16
20.7	21.3	21.0	58.1	60.9	58.8	19.9	20.6	20.6	46.9	48.5	48.5	41.3	42.3	41.6	17
16.9	18.1	18.1	51.9	59.2	57.4	10.7	11.7	11.7	196.0	116.9	115.7	45.7	48.1	47.3	18
9.4	10.1	10.1	28.6	32.3	31.5	5.8	6.3	6.3	7.6	74.2	73.4	19.9	20.8	20.6	19
5.5	5.9	5.9	16.3	19.1	18.4	4.0	4.5	4.5	24.7	27.6	27.3	13.2	14.5	13.6	20
11.9	12.2	12.2	63.4	70.0	67.0	14.3	15.5	15.3	54.9	56.5	57.8	47.8	51.7	50.0	21
3.5	3.5	3.5	12.9	14.1	13.2	3.9	4.1	4.0	10.5	10.9	10.8	6.9	7.3	7.3	22
1.7	1.7	1.7	8.5	8.9	8.4	1.4	1.5	1.5	6.1	6.8	6.6	4.5	4.6	4.6	23
178.3	179.6	173.9	580.3	612.8	587.7	134.4	138.9	138.5	455.8	471.6	464.1	469.9	473.3	467.0	24
3.1	3.1	3.1	14.7	15.3	14.5	3.8	4.0	4.1	12.9	13.1	13.4	12.6	12.6	12.8	25
13.9	13.6	13.3	74.1	76.8	73.4	13.1	13.2	13.2	51.4	52.1	50.8	53.6	55.8	55.4	26
16.5	16.2	15.7	97.9	100.4	98.8	13.7	14.5	14.5	58.3	63.4	61.2	37.8	39.8	39.7	27
29.5	30.0	29.0	42.9	44.6	43.3	8.6	9.2	9.4	27.4	27.3	27.6	44.2	43.8	42.6	28
5.6	5.6	5.6	32.1	35.6	33.3	5.4	5.5	5.5	29.7	31.5	30.2	33.8	34.5	33.9	29
16.6	17.0	16.4	53.0	54.7	52.0	6.7	8.2	8.1	30.7	31.5	31.9	43.3	44.4	44.1	30
63.4	63.8	61.8	159.5	165.9	153.6	59.4	59.0	58.7	154.6	157.6	157.6	141.6	144.1	142.7	31
6.0	5.8	5.7	39.4	41.6	38.7	8.3	8.6	8.6	27.7	28.4	27.8	23.7	25.4	25.4	32
5.0	5.0	4.9	21.6	23.5	22.0	6.2	6.3	6.4	36.5	38.1	37.9	41.3	43.6	43.6	33
3.1	3.0	2.9	7.2	7.5	7.1	2.5	2.6	2.6	7.0	7.4	7.3	10.3	10.9	10.7	34
23.2	23.8	23.8	85.8	95.6	92.5	16.3	17.2	17.1	69.7	74.2	73.6	106.2	109.3	107.0	35
8.5	8.6	8.7	37.9	42.6	41.2	8.3	8.6	8.5	34.0	36.5	36.4	35.5	37.3	36.1	36
424.4	427.7	(*)	1,376.8	1,439.6	(*)	574.9	579.8	(*)	1,415.3	1,450.0	(*)	1,275.0	1,234.0	(*)	37
14.6	15.2	(*)	59.7	61.4	(*)	13.4	13.7	(*)	57.8	59.3	(*)	84.2	85.7	(*)	38
4.6	4.8	(*)	19.8	22.1	(*)	3.5	3.7	(*)	13.8	14.6	(*)	22.6	23.0	(*)	39
26.1	27.6	(*)	106.0	113.0	(*)	19.7	20.0	(*)	85.3	90.4	(*)	85.9	84.3	(*)	40
1.5	1.5	(*)	7.7	8.4	(*)	1.0	1.0	(*)	6.0	6.0	(*)	6.9	6.7	(*)	41
10.5	10.5	(*)	57.4	62.3	(*)	13.7	14.6	(*)	60.0	62.5	(*)	39.6	39.5	(*)	42
34.2	34.3	(*)	206.6	222.9	(*)	42.3	44.7	(*)	161.6	169.2	(*)	161.3	166.4	(*)	43
450.4	451.6	(*)	1,317.8	1,378.2	(*)	577.6	582.9	(*)	1,313.3	1,340.5	(*)	1,054.0	1,035.2	(*)	44
318.4	318.0	(*)	925.3	969.9	(*)	480.9	483.4	(*)	1,014.0	1,030.4	(*)	763.4	737.5	(*)	45
284.2	283.7	(*)	718.6	747.0	(*)	438.6	438.7	(*)	852.5	861.3	(*)	602.1	571.1	(*)	46
262.2	261.7	(*)	628.5	652.1	(*)	418.7	418.1	(*)	764.8	769.9	(*)	529.8	497.2	(*)	47
2.7	2.7	(*)	15.0	15.3	(*)	2.4	2.6	(*)	14.4	15.6	(*)	20.6	20.5	(*)	48
13.0	13.1	(*)	73.5	79.6	(*)	15.5	16.2	(*)	69.2	71.9	(*)	59.3	59.3	(*)	49
3.6	3.6	(*)	16.1	16.9	(*)	2.4	2.4	(*)	14.6	15.2	(*)	19.6	19.6	(*)	50
13.4	14.1	(*)	52.9	57.1	(*)	14.3	14.7	(*)	41.9	45.2	(*)	46.6	48.2	(*)	51
3.9	3.7	(*)	19.6	20.3	(*)	4.8	4.9	(*)	17.5	18.2	(*)	28.4	29.1	(*)	52
17.9	17.9	(*)	71.3	75.1	(*)	17.1	17.8	(*)	71.2	74.4	(*)	50.3	51.7	(*)	53
96.7	97.8	(*)	367.0	382.8	(*)	82.4	83.4	(*)	259.9	266.4	(*)	325.7	337.5	(*)	54
3.2	3.4	(*)	12.1	12.5	(*)	2.3	2.9	(*)	10.0	10.5	(*)	9.4	9.8	(*)	55
25.3	25.6	(*)	62.0	63.5	(*)	17.4	18.3	(*)	36.5	37.6	(*)	33.1	34.9	(*)	56
19.0	19.4	(*)	62.6	66.0	(*)	14.3	14.1	(*)	44.3	45.9	(*)	42.1	42.7	(*)	57
9.7	9.7	(*)	39.6	41.3	(*)	13.4	13.8	(*)	42.4	44.2	(*)	39.4	42.1	(*)	58

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
1 NORTH DAKOTA	203.4	214.9	209.8	2.5	2.5	2.6	11.9	13.6	12.2	16.2	15.5	14.9
2 Fargo-Moorhead	53.1	56.2	55.1	.1	.1	.1	2.6	3.0	2.5	4.8	4.8	4.8
3 OHIO ²	3,988.3	4,171.4	4,090.2	27.0	28.7	28.2	131.0	151.6	131.0	1,266.1	1,311.0	1,304.3
4 Akron ²	246.1	254.2	250.4	.3	.3	.3	6.1	6.7	5.8	82.9	82.9	82.8
5 Canton ²	142.0	148.4	145.9	.7	.8	.7	4.7	5.6	4.7	53.9	55.4	54.6
6 Cincinnati ²	523.8	547.5	536.8	.4	.4	.4	18.6	22.1	19.4	151.4	158.3	157.2
7 Cleveland ²	844.0	875.5	859.6	1.4	1.4	1.3	25.6	29.1	25.0	258.8	268.9	267.6
8 Columbus ²	445.2	466.7	458.6	.6	.7	.6	15.3	17.3	15.0	91.9	95.0	94.5
9 Dayton ²	322.7	339.0	332.9	.3	.4	.4	9.3	11.4	9.7	101.1	106.8	107.3
10 Toledo ²	275.1	285.2	285.2	.5	.6	.5	10.5	11.3	10.3	82.0	86.3	85.5
11 Youngstown-Warren ⁴	199.8	205.7	199.4	.2	.3	.2	5.3	6.3	5.2	81.3	80.1	77.7
12 OKLAHOMA ²	911.1	960.2	947.7	43.8	47.0	47.8	43.3	44.4	39.4	152.5	160.3	159.3
13 Oklahoma City ²	308.8	324.6	321.0	9.5	10.3	10.2	14.8	15.0	14.7	39.3	42.6	42.7
14 Tulsa ²	236.9	249.1	246.2	15.9	16.2	16.2	13.0	15.9	14.7	52.0	53.4	53.3
15 OREGON	829.5	881.2	863.7	1.1	1.4	1.3	30.4	36.2	32.2	179.6	191.2	188.0
16 Eugene-Springfield	83.5	87.9	88.4	(1)	(1)	(1)	3.0	3.9	3.9	18.3	18.8	18.9
17 Jackson County	-	-	-	-	-	-	-	-	-	6.3	7.1	7.0
18 Portland	439.4	462.3	455.9	(1)	(1)	(1)	16.4	18.4	16.3	89.9	93.7	93.1
19 Salem	66.7	69.9	69.1	(1)	(1)	(1)	3.0	3.4	3.3	9.7	10.5	10.4
20 PENNSYLVANIA	4,350.2	4,425.7	4,336.4	47.4	48.2	47.8	168.3	171.1	152.0	1,314.6	1,314.8	1,307.1
21 Allentown-Bethlehem-Easton	247.5	250.6	248.0	1.0	1.1	1.1	10.3	8.7	8.2	105.6	105.3	105.2
22 Altoona	48.4	49.7	48.5	(1)	(1)	(1)	1.7	2.2	1.7	12.8	12.5	12.4
23 Delaware Valley ¹⁴	1,486.1	1,512.9	1,482.7	.9	.9	.9	51.7	51.4	47.0	385.1	389.0	385.9
24 Erie	104.8	106.6	104.4	(1)	(1)	(1)	2.3	2.4	2.1	42.3	41.6	41.5
25 Harrisburg	197.3	202.8	199.2	(1)	(1)	(1)	8.2	8.9	8.0	37.8	38.9	38.8
26 Johnstown	84.2	87.4	85.8	8.5	8.8	8.8	1.9	2.2	1.9	22.3	21.9	21.5
27 Lancaster	128.3	134.3	131.2	(1)	(1)	(1)	6.0	6.7	6.2	52.0	53.7	53.2
28 Northeast Pennsylvania	220.9	224.2	220.0	1.1	1.0	1.0	10.2	12.1	10.6	71.3	66.2	67.0
29 Philadelphia SMSA	1,766.7	1,799.6	1,763.7	1.1	1.1	1.0	63.2	63.9	58.4	447.9	451.5	448.8
30 Philadelphia City ¹⁵	804.1	815.4	801.5	-	-	-	19.5	19.0	18.0	164.9	165.8	164.6
31 Pittsburgh	860.8	875.4	855.9	10.8	11.3	11.0	33.8	34.9	27.8	243.1	243.3	241.8
32 Reading	127.9	132.8	129.3	(1)	(1)	(1)	4.4	4.4	3.9	49.7	51.7	51.5
33 Scranton ¹⁶	80.4	81.8	80.4	(1)	(1)	(1)	1.9	2.1	1.8	26.8	26.4	26.5
34 Wilkes-Barre-Hazleton ¹⁷	117.3	118.4	116.8	1.0	.9	.9	7.5	9.0	8.0	40.0	35.8	36.5
35 Williamsport	42.3	44.3	43.8	(1)	(1)	(1)	1.1	1.3	1.2	17.1	18.0	18.0
36 York	130.5	134.3	132.1	(1)	(1)	(1)	5.5	5.8	5.1	56.8	57.5	57.2
37 RHODE ISLAND ²	348.1	377.3	364.7	(1)	(1)	(1)	9.0	12.5	10.5	117.1	127.7	124.4
38 Providence-Warwick-Pawtucket ²	360.7	389.9	376.6	(1)	(1)	(1)	9.1	12.8	10.8	130.9	142.7	138.9
39 SOUTH CAROLINA ^{5, 18}	1,004.1	1,060.6	1,042.8	1.8	1.8	1.8	57.7	61.3	56.8	361.6	373.6	372.1
40 Charleston-North Charleston ^{5, 18}	116.5	124.1	123.1	(1)	(1)	(1)	8.6	9.6	9.6	15.5	17.7	17.7
41 Columbia ^{5, 18}	144.9	152.6	150.8	(1)	(1)	(1)	6.7	6.9	6.9	22.1	22.8	22.5
42 Greenville-Spartanburg ⁵	226.4	231.4	(*)	(1)	(1)	(*)	14.8	14.4	(*)	96.7	99.6	(*)
43 SOUTH DAKOTA	207.6	215.6	(*)	2.6	2.5	(*)	7.5	8.7	(*)	21.2	22.1	(*)
44 Rapid City	23.3	25.5	(*)	(3)	(3)	(*)	1.7	2.0	(*)	2.2	2.3	(*)
45 Sioux Falls	43.5	45.5	(*)	(3)	(3)	(*)	1.9	2.2	(*)	6.6	7.3	(*)
46 TENNESSEE	1,502.9	1,535.3	1,506.1	8.7	9.0	8.6	63.7	62.8	54.8	465.3	469.4	464.0
47 Chattanooga	154.3	156.9	155.4	.7	.8	.8	5.4	5.3	5.1	54.4	54.5	54.1
48 Knoxville	174.9	179.1	177.3	1.6	1.6	1.6	9.1	9.7	8.9	47.4	49.6	49.4
49 Memphis	315.0	323.1	316.2	.2	.2	.2	12.5	13.0	11.8	56.4	57.5	57.0
50 Nashville-Davidson	291.1	306.0	301.1	(1)	(1)	(1)	13.6	15.1	13.2	72.7	77.1	76.7
51 TEXAS ²	4,540.9	4,785.1	4,744.9	34.8	142.5	143.2	297.0	317.3	309.6	830.6	868.1	866.6
52 Amarillo ²	63.8	67.3	66.5	(1)	(1)	(1)	3.9	4.2	4.1	8.3	8.9	8.8
53 Austin ²	170.2	176.6	174.5	(1)	(1)	(1)	8.7	8.6	8.5	16.0	18.2	17.9
54 Beaumont-Port Arthur-Orange ²	131.5	138.0	133.5	(1)	(1)	(1)	11.9	14.0	13.6	41.8	41.6	39.0
55 Corpus Christi ²	100.4	103.4	103.3	3.7	3.7	3.8	11.2	10.8	11.1	12.1	12.4	12.3
56 Dallas-Fort Worth ²	1,094.5	1,144.7	1,125.0	12.2	12.7	12.9	46.0	50.3	45.4	239.2	248.9	248.9
57 El Paso	130.4	128.7	(*)	(1)	(1)	(*)	5.5	5.9	(*)	28.9	26.8	(*)
58 Galveston-Texas City	60.2	63.1	(*)	(1)	(1)	(*)	3.2	2.5	(*)	12.2	12.1	(*)
59 Houston ²	1,059.9	1,118.2	1,117.2	44.9	45.8	45.0	109.2	113.6	113.9	184.6	187.4	186.1
60 Lubbock ²	74.1	82.1	79.8	(1)	(1)	(1)	4.3	4.6	4.5	9.3	12.1	12.0
61 San Antonio ²	322.6	331.9	328.4	1.7	1.7	1.7	17.7	18.1	17.5	38.9	41.1	40.4
62 Waco ²	58.6	61.4	60.7	(1)	(1)	(1)	2.7	2.8	2.8	13.2	14.2	14.0
63 Wichita Falls ²	44.5	46.2	45.9	2.1	2.2	2.2	2.3	2.8	2.8	7.2	7.4	7.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	
12.4	13.0	12.7	56.2	62.0	59.8	8.9	9.3	9.3	40.8	42.2	41.9	54.7	56.8	56.3	1
3.3	3.5	3.4	16.2	17.4	17.0	3.1	3.2	3.3	11.4	12.3	12.1	11.7	11.9	12.0	2
209.6	215.0	211.8	864.4	932.4	894.3	173.2	177.5	176.6	677.4	713.1	705.6	639.6	642.1	638.4	3
13.6	13.9	13.9	53.6	57.7	55.0	8.2	8.6	8.6	40.6	42.1	42.6	40.7	42.0	41.5	4
6.7	7.0	7.1	30.1	32.4	31.4	5.3	5.2	5.2	24.0	25.1	25.1	16.7	17.2	17.1	5
30.1	31.0	29.4	121.6	129.4	126.3	28.3	28.6	28.4	94.2	99.9	98.7	79.2	77.9	77.1	6
46.1	46.9	45.3	192.6	204.3	197.9	43.4	44.3	44.2	156.6	162.0	160.8	119.4	118.5	117.5	7
22.1	22.6	22.9	106.9	115.2	110.0	30.0	30.8	30.9	82.2	85.2	85.0	96.2	99.9	99.7	8
11.8	12.3	12.2	66.5	73.0	69.4	10.7	11.2	11.1	58.8	61.2	61.2	64.2	62.7	61.5	9
18.1	18.8	18.7	62.6	67.7	65.3	6.8	9.3	9.2	49.6	52.5	52.4	43.1	38.7	43.3	10
9.5	9.6	9.7	41.7	45.1	43.5	6.3	6.6	6.6	31.5	32.9	32.4	24.0	24.8	24.1	11
56.0	57.7	57.6	214.0	234.7	228.1	45.4	47.4	47.4	146.5	157.4	157.4	209.6	211.3	210.7	12
19.0	19.7	19.6	76.8	83.0	80.3	19.8	20.3	20.6	50.9	53.7	53.7	78.7	80.0	79.2	13
18.3	18.6	18.6	57.0	60.1	58.5	12.6	13.1	13.2	43.5	45.9	45.8	24.6	25.9	25.9	14
49.3	52.0	51.3	198.5	217.1	207.8	45.6	49.2	49.2	144.6	152.8	152.5	180.4	181.3	181.4	15
4.2	4.4	4.4	19.9	21.8	21.5	3.5	3.7	3.8	14.4	15.4	15.5	20.3	19.9	20.4	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
29.9	31.6	31.6	110.8	118.9	114.5	31.0	32.6	32.9	85.5	89.7	90.0	75.9	77.4	77.5	18
2.2	2.4	2.3	13.7	14.2	13.8	3.7	4.0	4.0	10.9	11.1	11.1	23.5	24.3	24.2	19
253.0	256.9	255.7	886.0	920.8	888.5	208.2	211.8	211.8	790.7	816.2	802.6	682.0	685.9	670.9	20
12.2	12.4	12.2	42.8	45.7	44.7	7.5	8.0	8.0	36.4	38.3	37.8	31.7	31.1	30.8	21
7.5	7.9	7.9	10.3	10.9	10.3	1.4	1.6	1.6	7.3	7.5	7.6	7.4	7.1	7.0	22
81.9	82.1	82.0	313.8	325.0	315.7	94.8	96.2	96.1	322.9	333.7	324.2	235.0	234.6	230.9	23
4.9	4.9	4.8	18.9	20.5	19.3	4.6	4.8	4.9	17.6	18.3	18.6	14.2	14.1	13.2	24
14.4	14.0	13.9	40.7	42.7	41.8	10.9	11.4	11.4	31.1	32.7	31.5	54.2	54.2	53.8	25
5.4	5.4	5.4	16.0	17.8	17.4	3.0	3.4	3.3	13.6	14.4	14.2	13.5	13.5	13.3	26
5.7	5.9	5.9	27.0	29.0	28.0	4.2	4.4	4.4	21.1	21.6	21.3	12.3	13.0	12.2	27
11.4	11.3	11.2	45.8	49.7	47.8	8.6	8.9	8.8	37.1	38.7	38.7	35.4	36.3	34.9	28
95.8	95.8	95.9	387.9	401.8	389.9	108.0	109.4	109.2	374.3	385.7	375.5	288.5	290.4	284.4	29
56.2	56.1	56.2	154.7	160.4	156.1	64.8	64.5	64.3	191.3	201.6	195.6	152.7	148.0	146.8	30
55.3	56.4	55.9	188.9	196.0	188.8	41.6	42.7	42.2	172.9	176.9	175.2	114.4	113.9	113.2	31
6.0	5.8	5.8	25.3	26.1	24.8	4.9	5.0	5.0	19.4	20.2	19.8	18.2	19.6	18.5	32
4.8	4.6	4.6	18.1	19.2	18.4	3.2	3.2	3.2	15.0	15.3	15.2	10.6	11.0	10.7	33
5.6	5.7	5.6	23.6	26.2	25.3	4.7	4.8	4.9	16.8	17.5	17.4	19.0	18.5	18.2	34
2.0	2.0	2.0	7.9	8.3	8.1	2.0	2.0	2.0	6.8	7.2	7.1	5.4	5.5	5.4	35
5.5	5.6	5.4	25.4	27.5	26.6	3.0	3.1	3.1	17.0	17.4	17.4	17.3	17.4	17.3	36
13.1	13.9	13.7	70.8	77.8	73.8	17.8	18.3	18.1	64.1	69.9	67.6	56.2	57.2	56.6	37
13.2	13.7	13.3	73.2	80.1	76.1	18.0	18.2	18.0	63.4	68.5	66.2	52.9	53.9	53.3	38
41.1	44.0	44.1	177.3	199.2	190.4	38.7	40.1	39.7	125.4	132.7	133.1	200.5	207.9	204.8	39
6.8	7.1	6.9	24.5	26.7	26.1	4.7	4.9	4.9	17.7	18.5	18.6	38.7	39.6	39.3	40
8.0	8.3	8.2	30.0	32.5	31.6	10.8	11.7	11.7	21.6	22.5	22.4	45.7	47.9	47.5	41
8.8	8.9	(*)	40.7	42.2	(*)	8.1	8.2	(*)	30.0	30.5	(*)	27.3	27.6	(*)	42
11.8	12.4	(*)	53.4	55.8	(*)	8.9	9.4	(*)	45.5	47.2	(*)	56.7	57.5	(*)	43
1.6	1.6	(*)	6.3	7.3	(*)	1.2	1.2	(*)	5.0	5.2	(*)	5.8	5.9	(*)	44
4.0	4.4	(*)	12.9	13.3	(*)	2.2	2.3	(*)	9.6	10.5	(*)	6.3	5.5	(*)	45
70.6	73.6	71.0	315.9	333.4	324.1	65.5	66.5	65.6	232.9	234.1	231.9	280.3	286.5	286.1	46
5.5	5.5	5.5	29.2	31.6	30.6	8.6	8.0	7.9	22.8	22.9	22.8	27.7	28.3	28.6	47
7.2	7.5	7.6	37.7	39.4	38.8	6.8	7.0	7.0	25.3	25.3	25.1	39.8	39.0	38.9	48
20.5	21.0	20.7	84.7	88.4	84.7	18.2	18.3	18.2	58.8	60.4	60.5	63.7	64.3	63.1	49
16.2	17.2	17.2	67.9	73.2	71.3	19.6	19.4	19.5	53.1	55.0	54.5	48.0	49.0	48.7	50
287.8	294.1	294.7	1,130.5	1,205.9	1,177.2	247.3	259.9	260.8	775.0	830.6	831.5	837.9	866.7	861.3	51
6.2	6.4	6.4	19.4	20.7	20.2	3.1	3.2	3.2	11.9	12.6	12.5	11.0	11.3	11.3	52
5.5	5.5	5.5	35.9	36.2	35.7	9.4	9.8	9.7	27.6	29.1	29.0	67.1	69.2	68.2	53
9.0	10.2	10.4	27.2	28.8	27.6	4.6	4.9	4.9	19.7	20.4	20.0	17.3	18.1	18.0	54
5.5	5.5	5.7	24.7	26.8	26.4	4.8	4.8	4.8	15.8	16.6	16.6	22.6	22.8	22.6	56
74.0	76.0	75.4	299.7	320.8	309.9	80.6	82.7	83.2	191.3	198.7	197.2	151.5	154.6	152.1	55
9.8	9.6	(*)	33.2	33.6	(*)	6.0	6.1	(*)	20.6	19.5	(*)	26.4	27.2	(*)	57
5.7	6.7	(*)	10.5	11.5	(*)	4.1	4.6	(*)	8.8	9.7	(*)	15.7	16.0	(*)	58
77.6	79.7	79.8	258.7	282.1	281.2	60.0	63.3	63.5	200.7	214.9	216.3	124.2	131.4	131.4	59
4.6	4.7	4.7	22.8	25.1	24.2	3.6	3.7	3.8	13.2	14.9	13.9	16.3	17.0	16.7	60
14.0	14.4	14.3	82.0	83.4	82.1	20.8	21.5	21.7	59.4	61.6	61.0	88.1	90.1	89.7	61
2.9	3.0	3.0	13.5	14.4	14.0	3.4	3.5	3.5	12.3	12.8	12.7	10.6	10.7	10.7	62
2.2	2.2	2.2	11.2	11.9	11.5	2.0	2.0	2.1	6.7	6.8	6.7	10.8	10.9	11.0	63

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
1 UTAH ¹	440.3	475.4	466.1	13.2	14.6	15.0	21.2	26.3	22.5	67.2	73.2	71.2
2 Salt Lake City—Ogden ²	318.3	339.1	331.3	6.0	6.8	7.0	15.3	18.9	15.7	45.8	48.8	48.5
3 VERMONT	158.2	165.3	163.4	.7	.7	.6	5.2	6.5	5.4	39.0	40.4	40.0
4 Burlington ³	40.7	44.1	42.4	-	-	-	-	-	-	9.3	10.0	10.0
5 Springfield ³	12.2	11.9	11.8	-	-	-	-	-	-	5.5	5.1	5.0
6 VIRGINIA ⁴	1,778.8	1,879.4	1,848.2	21.1	22.2	22.2	100.5	112.6	102.3	378.2	394.1	389.0
7 Bristol ⁵	23.9	25.5	24.8	(1)	(1)	(1)	.8	1.0	1.0	8.4	8.8	8.7
8 Lynchburg ⁶	59.3	62.9	61.4	(1)	(1)	(1)	2.4	2.9	2.5	26.0	27.5	27.2
9 Newport News—Hampton ⁷	127.1	136.0	134.1	(1)	(1)	(1)	6.3	6.6	6.2	31.8	32.9	32.8
10 Norfolk—Virginia Beach—Portsmouth ⁸	242.7	254.2	250.1	(1)	(1)	(1)	14.3	15.5	14.3	24.9	26.3	25.9
11 Northern Virginia ⁹	350.2	365.8	358.9	.3	.3	.3	21.4	22.5	19.7	13.1	14.3	13.8
12 Richmond ¹⁰	280.2	290.0	286.0	.3	.3	.3	15.0	16.0	14.7	51.0	51.6	51.3
13 Roanoke ¹¹	94.8	98.1	95.9	.1	.2	.2	5.0	4.8	4.3	21.3	21.2	20.9
14 WASHINGTON	1,191.6	1,257.9	1,230.0	1.8	2.0	1.8	48.5	55.1	49.7	234.2	244.6	241.8
15 Seattle—Everett	559.3	597.3	586.7	(1)	(1)	(1)	20.4	25.2	23.5	116.3	119.3	119.0
16 Spokane	101.3	107.1	103.9	(1)	(1)	(1)	4.7	5.2	4.4	13.3	14.8	14.7
17 Tacoma	114.7	120.6	118.5	(1)	(1)	(1)	4.1	5.5	5.0	20.4	19.1	19.0
18 WEST VIRGINIA	558.3	576.9	(*)	63.2	64.0	(*)	24.7	27.7	(*)	118.4	122.1	(*)
19 Charleston	99.8	102.3	(*)	6.0	6.1	(*)	5.7	5.8	(*)	18.1	19.4	(*)
20 Huntington—Ashland	92.8	95.4	(*)	.7	.7	(*)	3.9	3.9	(*)	27.7	28.6	(*)
21 Parkersburg—Marietta	49.4	50.6	(*)	.4	.4	(*)	2.3	2.4	(*)	15.5	15.7	(*)
22 Wheeling	60.7	61.5	(*)	6.9	7.0	(*)	1.8	1.8	(*)	13.1	13.2	(*)
23 WISCONSIN ¹²	1,656.8	1,758.8	1,718.5	2.0	2.2	1.8	54.2	65.8	57.5	501.4	509.9	511.6
24 Appleton—Oshkosh ¹³	104.1	108.9	106.2	(1)	(1)	(1)	4.3	5.1	4.5	39.7	39.9	40.4
25 Green Bay ¹⁴	65.0	69.1	67.1	(1)	(1)	(1)	2.7	3.4	3.1	19.4	19.8	19.7
26 Kenosha ¹⁵	42.3	39.0	38.3	(1)	(1)	(1)	1.0	.9	.8	19.1	14.5	14.4
27 La Crosse ¹⁶	34.0	37.2	36.5	(1)	(1)	(1)	1.0	1.2	1.1	8.5	9.1	9.0
28 Madison ¹⁷	136.7	148.5	145.0	(1)	(1)	(1)	5.4	5.8	5.2	16.5	17.3	17.2
29 Milwaukee ¹⁸	593.8	619.6	607.9	(1)	(1)	(1)	17.2	20.4	18.3	195.0	197.5	198.5
30 Racine ¹⁹	61.6	64.4	63.6	(1)	(1)	(1)	1.5	1.7	1.5	26.8	27.1	27.2
31 WYOMING	145.6	159.2	156.4	19.3	22.2	22.5	12.6	14.7	13.3	8.3	8.6	8.4
32 Casper	25.6	28.4	27.9	4.7	5.4	5.3	1.7	2.0	1.9	1.5	1.5	1.5
33 Cheyenne	23.2	24.0	23.5	(1)	(1)	(1)	1.6	1.8	1.7	1.6	1.9	1.8

¹ Combined with services.
² Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.
³ Combined with construction.
⁴ Federal employment in the Maryland and Virginia sectors of the Washington SMSA is no longer included in data for the District of Columbia.
⁵ Based on 1972 Standard Industrial Classification.
⁶ Revised to 1972 Standard Industrial Classification; not strictly comparable with previously published data.
⁷ Area included in Chicago—Gary Standard Consolidated Statistical Area.
⁸ Data do not include Federal employment in the Maryland sector of the Washington, D.C. Standard Metropolitan Statistical Area.
⁹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
¹⁰ Subarea of New York—Northeastern New Jersey.
¹¹ Subarea of Rochester Standard Metropolitan Statistical Area.
¹² Area included in New York and Nassau—Suffolk combined SMSA'S.
¹³ Subarea of New York Standard Metropolitan Statistical Area.

¹⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
¹⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.
¹⁶ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.
¹⁷ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
¹⁸ Revised to 1976 benchmark; not strictly comparable with previously published data.
¹⁹ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
²⁰ 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			
JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	
26.9	28.3	28.2	105.7	120.9	113.8	19.9	21.2	21.5	74.5	77.3	79.9	111.5	113.7	114.0	1
21.6	22.4	22.1	79.6	89.1	84.0	16.5	17.5	17.2	50.7	51.0	52.6	82.7	84.6	84.2	2
7.6	7.7	7.7	32.6	35.8	34.4	6.5	6.8	6.7	36.7	36.0	38.2	30.1	31.5	30.6	3
2.0	2.0	1.9	8.5	9.8	9.0	-	-	-	8.8	9.2	9.2	-	-	-	4
.6	.7	.7	1.8	1.9	1.8	-	-	-	2.1	2.0	2.2	-	-	-	5
102.6	108.5	107.5	370.4	399.9	388.1	82.6	88.1	87.6	295.6	314.3	313.8	427.8	439.7	437.7	6
.9	.9	.9	5.9	6.3	6.1	.9	.9	.9	3.0	3.4	3.3	4.0	4.2	3.9	7
2.6	2.6	2.6	9.8	10.5	9.8	2.6	2.7	2.7	8.0	8.2	8.1	7.9	8.5	8.5	8
4.3	4.4	4.3	22.8	25.2	24.3	4.0	4.4	4.4	21.6	24.1	23.7	36.3	38.4	38.4	9
17.3	18.0	17.9	57.6	62.7	60.9	12.3	12.8	13.0	41.9	43.2	43.2	74.4	75.7	74.9	10
24.6	25.6	25.4	82.9	90.2	87.1	19.7	21.3	21.3	79.3	83.0	82.9	108.9	108.6	108.4	11
17.5	18.0	17.9	64.7	69.2	67.9	21.6	22.5	22.5	46.5	49.6	49.1	63.6	62.8	62.3	12
10.0	10.0	9.9	22.4	24.4	23.6	5.2	5.4	5.4	17.2	18.0	17.6	13.6	14.1	14.0	13
70.5	73.9	72.6	281.0	303.7	289.6	66.5	68.9	68.4	218.8	231.4	229.3	270.3	278.3	276.8	14
38.6	41.9	41.5	134.5	150.9	145.0	39.7	41.8	41.5	105.5	110.4	110.1	104.3	107.8	106.1	15
7.1	7.3	7.1	27.7	29.7	28.4	6.3	6.4	6.2	22.7	24.1	23.7	19.5	19.6	19.4	16
5.2	5.5	5.2	27.5	31.2	30.4	5.5	5.6	5.6	23.1	25.0	24.7	28.9	28.7	28.6	17
38.6	38.6	(*)	108.2	113.3	(*)	18.2	18.7	(*)	79.5	82.6	(*)	107.5	110.0	(*)	18
8.8	8.5	(*)	22.6	23.1	(*)	4.2	4.2	(*)	16.2	16.7	(*)	18.2	18.4	(*)	19
9.1	9.3	(*)	18.9	19.5	(*)	3.4	3.3	(*)	12.9	13.2	(*)	16.3	16.9	(*)	20
2.3	2.2	(*)	11.1	11.4	(*)	1.6	1.7	(*)	7.4	7.7	(*)	8.9	9.2	(*)	21
3.6	3.6	(*)	13.4	13.9	(*)	2.4	2.4	(*)	11.8	11.9	(*)	7.7	7.6	(*)	22
80.4	83.5	80.7	370.1	410.1	385.5	75.1	78.3	78.0	289.3	315.8	312.8	284.3	293.2	290.6	23
4.0	4.1	4.0	21.2	23.2	21.4	4.0	4.3	4.4	16.3	17.2	16.8	14.5	15.1	14.8	24
4.5	4.5	4.4	15.5	16.5	15.5	1.9	2.1	2.1	11.5	13.0	12.5	9.6	9.9	9.9	25
1.3	1.5	1.4	7.5	8.3	7.8	.8	.8	.8	7.0	7.1	7.1	5.7	6.0	6.0	26
1.9	2.1	2.1	9.1	10.0	9.7	.9	.9	.9	7.3	7.8	7.7	5.3	6.0	6.0	27
5.3	5.4	5.3	29.6	33.3	30.5	8.8	9.5	9.4	24.1	25.4	26.1	47.0	51.8	51.3	28
30.5	31.0	30.0	130.1	139.9	132.3	32.5	33.4	33.5	112.0	120.8	119.0	76.3	76.7	76.2	29
2.2	2.3	2.2	11.8	12.5	12.0	1.7	1.7	1.7	9.9	10.3	10.2	7.8	8.8	8.8	30
12.4	13.0	12.9	30.4	33.8	32.6	4.8	5.5	5.5	20.9	22.4	22.5	36.9	39.0	38.7	31
1.8	2.0	2.0	6.8	7.6	7.5	1.1	1.2	1.2	3.9	4.4	4.3	4.1	4.3	4.2	32
3.1	3.0	3.0	4.9	5.3	5.0	1.3	1.4	1.4	3.9	4.0	3.9	6.8	6.6	6.7	33

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

C-1. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division, 1955 to date

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	
	Total private ¹			Mining			Contract construction			Manufacturing			
1955.....	\$67.72	39.6	\$1.71	\$89.54	40.7	\$2.20	\$90.90	37.1	\$2.45	\$75.70	40.7	\$1.86	\$1.79
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95	³ 1.89
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05	1.99
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.13	2.05
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	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26	2.20
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	110.43	40.9	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	99.63	40.5	2.46	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	2.44
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.51
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72	2.59
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83	2.72
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	155.23	43.0	3.61	181.54	37.9	4.79	129.51	40.6	3.19	3.06
1970.....	119.46	37.1	3.22	164.40	42.7	3.85	195.45	37.3	5.24	133.73	39.8	3.36	3.24
1971.....	127.28	37.0	3.44	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.44
1972.....	136.16	37.1	3.67	187.43	42.5	4.41	222.51	36.9	6.03	154.69	40.6	3.81	3.66
1973.....	145.43	37.1	3.92	201.03	42.5	4.73	235.69	37.0	6.37	166.06	40.7	4.08	3.89
1974.....	154.45	36.6	4.22	220.90	42.4	5.21	249.08	36.9	6.75	176.40	40.0	4.41	4.24
1975.....	163.89	36.1	4.54	249.57	42.3	5.90	265.35	36.6	7.25	189.51	39.4	4.81	4.66
1976.....	176.29	36.2	4.87	274.78	42.8	6.42	284.93	37.1	7.68	207.60	40.0	5.19	5.00
Feb.....	170.64	36.0	4.74	268.58	42.7	6.29	272.66	36.5	7.47	201.10	39.9	5.04	4.86
Mar.....	170.88	35.9	4.76	265.44	42.2	6.29	269.54	35.7	7.55	202.80	40.0	5.07	4.88
Apr.....	171.12	35.8	4.78	267.76	42.3	6.33	278.25	37.1	7.50	198.74	39.2	5.07	4.92
May.....	174.36	36.1	4.83	269.88	42.5	6.35	283.09	37.2	7.61	205.82	40.2	5.12	4.93
June.....	176.54	36.4	4.85	270.50	42.8	6.32	288.04	37.9	7.60	208.06	40.4	5.15	4.96
July.....	177.88	36.6	4.86	272.85	42.7	6.39	291.07	37.9	7.68	208.00	40.0	5.20	5.00
Aug.....	178.97	36.6	4.89	259.15	41.2	6.29	292.21	37.9	7.71	208.40	40.0	5.21	5.02
Sept.....	179.55	36.2	4.96	289.08	43.8	6.60	287.41	36.8	7.81	212.93	40.1	5.31	5.09
Oct.....	180.28	36.2	4.98	287.33	43.8	6.56	299.87	38.2	7.85	211.20	40.0	5.28	5.08
Nov.....	180.50	36.1	5.00	288.63	43.6	6.62	289.25	36.8	7.86	215.20	40.3	5.34	5.14
Dec.....	182.73	36.4	5.02	293.23	43.7	6.71	289.98	36.8	7.88	220.05	40.6	5.42	5.21
1977:													
Jan ^P	179.28	35.5	5.05	282.15	41.8	6.75	268.59	33.7	7.97	213.64	39.2	5.45	5.25
Feb ^P	182.16	36.0	5.06	289.20	43.1	6.71	288.04	36.6	7.87	217.34	40.1	5.42	5.23
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1955.....	-	-	-	\$55.16	39.4	\$1.40	\$63.92	37.6	\$1.70	-	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-	-
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.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94	-
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05	-
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17	-
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29	-
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	83.97	34.7	2.42	-
1969.....	148.15	40.7	3.64	90.78	35.6	2.55	108.70	37.1	2.93	90.57	34.7	2.61	-
1970.....	155.93	40.5	3.85	95.66	35.3	2.71	113.34	36.8	3.08	96.66	34.4	2.81	-
1971.....	169.24	40.2	4.21	100.39	35.1	2.86	120.66	36.9	3.27	103.28	34.2	3.02	-
1972.....	187.92	40.5	4.64	105.65	35.1	3.01	126.88	37.1	3.42	110.14	34.1	3.23	-
1973.....	204.62	40.6	5.04	111.04	34.7	3.20	132.10	36.9	3.58	117.64	34.0	3.46	-
1974.....	218.29	40.2	5.43	118.33	34.1	3.47	140.19	36.7	3.82	127.46	33.9	3.76	-
1975.....	234.43	39.6	5.92	126.75	33.8	3.75	150.75	36.5	4.13	137.23	33.8	4.06	-
1976.....	257.75	39.9	6.46	133.39	33.6	3.97	159.58	36.6	4.36	146.06	33.5	4.36	-
Feb.....	248.46	39.5	6.29	130.26	33.4	3.90	158.91	36.7	4.33	143.72	33.5	4.29	-
Mar.....	248.46	39.5	6.29	129.48	33.2	3.90	156.88	36.4	4.31	142.52	33.3	4.28	-
Apr.....	251.46	39.6	6.35	130.99	33.5	3.91	158.84	36.6	4.34	143.19	33.3	4.30	-
May.....	252.41	39.5	6.39	132.33	33.5	3.95	160.01	36.7	4.36	144.96	33.4	4.34	-
June.....	256.80	40.0	6.42	133.51	33.8	3.95	158.84	36.6	4.34	145.82	34.0	4.32	-
July.....	259.69	40.2	6.46	136.62	34.5	3.96	160.01	36.7	4.36	146.88	34.0	4.32	-
Aug.....	265.02	40.4	6.56	136.51	34.3	3.98	162.36	36.9	4.40	146.88	34.0	4.32	-
Sept.....	265.06	40.1	6.61	135.74	33.6	4.04	160.67	36.6	4.39	148.07	33.5	4.42	-
Oct.....	265.20	40.0	6.63	135.20	33.3	4.06	161.85	36.7	4.41	148.74	33.5	4.44	-
Nov.....	267.33	40.2	6.65	135.46	33.2	4.08	161.04	36.6	4.40	149.97	33.4	4.49	-
Dec.....	269.33	40.5	6.65	137.97	33.9	4.07	162.58	36.7	4.43	150.97	33.4	4.52	-
1977:													
Jan ^P	264.67	39.8	6.65	136.86	32.9	4.16	166.05	36.9	4.50	152.51	33.3	4.58	-
Feb ^P	267.87	40.1	6.68	138.36	33.1	4.18	164.42	36.7	4.48	153.77	33.5	4.59	-

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

³Prior to January 1956, data were based on the application of adjustment factors to gross average hourly earnings. (See Explanatory Note.)

^P = preliminary.

²Data include Alaska and Hawaii beginning 1959.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
-	TOTAL PRIVATE	\$176.29	\$169.92	\$182.73	\$179.28	\$182.16	\$4.87	\$4.72	\$5.02	\$5.05	\$5.06
-	MINING	274.78	266.48	293.23	282.15	289.20	6.42	6.27	6.71	6.75	6.71
10	METAL MINING	280.80	267.32	287.70	280.60	-	6.75	6.52	7.00	6.98	-
101	Iron ores	303.73	294.98	317.09	305.87	-	7.08	6.86	7.34	7.30	-
102	Copper ores	280.70	266.23	275.12	262.81	-	7.00	6.74	7.24	7.22	-
11,12	COAL MINING	312.44	307.26	337.43	317.42	-	**7.88	7.72	8.23	8.16	-
12	Bituminous coal and lignite mining	313.24	308.07	339.07	317.77	-	**7.91	7.76	8.27	8.19	-
13	OIL AND GAS EXTRACTION	259.78	253.57	277.94	274.34	-	5.76	5.61	5.99	6.11	-
131,2	Crude petroleum and natural gas fields	272.83	272.54	283.41	300.94	-	6.59	6.52	6.70	6.95	-
138	Oil and gas field services	253.80	243.93	274.83	262.78	-	5.40	5.19	5.69	5.75	-
14	NONMETALLIC MINERALS, EXCEPT										
	FUELS	236.72	213.95	248.04	227.13	-	5.38	5.07	5.65	5.65	-
142	Crushed and broken stone	228.88	200.86	233.20	199.81	-	5.19	4.84	5.30	5.30	-
-	CONTRACT CONSTRUCTION	284.93	270.00	289.98	268.59	288.04	7.68	7.50	7.88	7.97	7.87
15	GENERAL BUILDING CONTRACTORS	273.00	257.28	280.64	257.52	-	7.50	7.33	7.71	7.78	-
16	HEAVY CONSTRUCTION CONTRACTORS	282.09	257.28	273.79	243.85	-	7.07	6.58	7.13	7.13	-
161	Highway and street construction	273.91	234.82	263.12	232.55	-	6.73	5.96	6.87	6.78	-
162	Heavy construction, nec	288.07	269.97	281.44	249.95	-	7.33	6.94	7.31	7.33	-
17	SPECIAL TRADE CONTRACTORS	293.38	281.52	301.86	283.56	-	8.06	7.93	8.27	8.34	-
171	Plumbing, heating, air conditioning	309.26	302.44	322.18	313.60	-	8.16	7.98	8.39	8.43	-
172	Painting, paper hanging, decorating	262.20	250.24	277.39	252.45	-	7.47	7.36	7.77	7.84	-
173	Electrical work	337.44	324.60	350.10	331.60	-	8.88	8.61	9.07	9.06	-
174	Masonry, stonework, and plastering	262.61	239.32	256.10	230.74	-	7.91	7.77	8.13	8.33	-
176	Roofing and sheetmetal work	239.69	201.95	246.21	208.22	-	7.33	6.94	7.67	7.49	-
	MANUFACTURING	207.60	200.30	220.05	213.64	217.34	5.19	5.02	5.42	5.45	5.42
19,24,25, 32-39	DURABLE GOODS	225.33	216.81	238.71	230.26	235.25	5.55	5.38	5.78	5.80	5.78
20,23,26-31	NONDURABLE GOODS	183.92	178.48	194.53	189.70	192.96	4.68	4.53	4.90	4.94	4.91
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	232.80	226.19	251.68	244.42	245.22	5.72	5.49	6.05	6.05	6.04
192	Ammunition, except for small arms	234.99	227.45	256.27	250.85	251.51	5.86	5.63	6.19	6.24	6.21
1925	Complete guided missiles	258.32	249.86	287.54	279.61	-	6.41	6.20	6.83	6.87	-
1929	Ammunition, exc. for small arms, nec	191.75	187.92	200.10	199.25	-	4.83	4.64	4.99	5.07	-
24	LUMBER AND WOOD PRODUCTS	189.34	177.06	197.15	191.07	197.32	4.71	4.46	4.88	4.95	4.86
242	Sawmills and planing mills	188.09	175.67	197.83	191.69	(*)	4.61	4.37	4.79	4.89	(*)
2421	Sawmills and planing mills, general	196.32	182.91	207.00	200.82	-	4.80	4.55	5.00	5.11	-
243	Millwork, plywood and related products	194.40	182.82	203.11	199.56	(*)	4.86	4.64	5.04	5.13	(*)
2431	Millwork	184.24	179.26	193.43	188.82	-	4.70	4.62	4.86	4.93	-
2432	Veneer and plywood	210.12	189.60	220.37	220.37	-	5.10	4.67	5.31	5.41	-
244	Wooden containers	138.96	130.90	139.01	132.86	(*)	3.60	3.50	3.62	3.65	(*)
2441,2	Wooden boxes, shooks, and crates	136.15	127.46	138.13	131.76	-	3.50	3.39	3.56	3.60	-
249	Miscellaneous wood products	158.78	155.83	161.99	155.07	(*)	3.94	3.81	4.07	4.07	(*)
25	FURNITURE AND FIXTURES	154.03	149.38	162.31	151.48	153.04	3.98	3.86	4.13	4.15	4.17
251	Household furniture	144.38	140.53	152.10	140.01	(*)	3.76	3.65	3.91	3.90	(*)
2511	Wood household furniture	138.38	134.41	146.10	133.59	-	3.53	3.42	3.68	3.67	-
2512	Upholstered household furniture	150.32	147.03	160.44	144.07	-	4.03	3.90	4.20	4.14	-
2515	Mattresses and bedspreads	161.88	158.47	162.87	163.71	-	4.34	4.26	4.45	4.51	-
252	Office furniture	181.75	170.28	196.82	182.58	-	4.51	4.30	4.72	4.73	-
254	Partitions and fixtures	190.39	182.13	199.30	195.07	-	4.82	4.67	4.97	5.08	-
253,9	Other furniture and fixtures	169.79	167.04	179.27	172.79	(*)	4.41	4.35	4.55	4.62	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	217.95	204.02	225.91	215.21	226.70	5.29	5.05	5.47	5.49	5.57
321	Flat glass	289.08	275.42	291.54	289.23	-	6.77	6.42	6.78	6.87	-
322	Glass and glassware, pressed or blown	219.24	210.53	229.04	226.40	(*)	5.40	5.16	5.60	5.66	(*)
3221	Glass containers	228.07	217.42	237.72	237.56	-	5.59	5.29	5.77	5.78	-
3229	Pressed and blown glass, nec	206.34	200.29	215.74	209.50	-	5.12	4.97	5.34	5.47	-
324	Cement, hydraulic	302.74	277.17	309.92	308.51	(*)	7.26	6.81	7.45	7.47	(*)
325	Structural clay products	173.84	164.02	182.10	174.54	(*)	4.24	4.07	4.42	4.43	(*)
3251	Brick and structural clay tile	159.74	147.97	162.66	156.41	-	3.84	3.69	3.91	3.92	-
326	Pottery and related products	175.83	170.38	189.37	183.17	-	4.52	4.38	4.77	4.77	-
327	Concrete, gypsum, and plaster products	224.30	201.10	225.96	201.32	(*)	5.29	4.99	5.38	5.34	(*)
328,9	Other stone and nonmetallic mineral products	210.31	200.69	220.04	213.84	217.76	5.18	4.98	5.38	5.40	5.39
3291	Abrasive products	205.52	199.98	215.74	205.98	-	5.19	5.05	5.38	5.35	-

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P
—	TOTAL PRIVATE	36.2	36.0	36.4	35.5	36.0	—	—	—	—	—
—	MINING	42.8	42.5	43.7	41.8	43.1	—	—	—	—	—
10	METAL MINING	41.6	41.0	41.1	40.2	—	—	—	—	—	
101	Iron ores	42.9	43.0	43.2	41.9	—	—	—	—	—	
102	Copper ores	40.1	39.5	38.0	36.4	—	—	—	—	—	
11,12	COAL MINING	**39.5	39.8	41.0	38.9	—	—	—	—	—	
12	Bituminous coal and lignite mining	**39.5	39.7	41.0	38.8	—	—	—	—	—	
13	OIL AND GAS EXTRACTION	45.1	45.2	46.4	44.9	—	—	—	—	—	
131,2	Crude petroleum and natural gas fields	41.4	41.8	42.3	43.3	—	—	—	—	—	
138	Oil and gas field services	47.0	47.0	48.3	45.7	—	—	—	—	—	
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.0	42.2	43.9	40.2	—	—	—	—	—	
142	Crushed and broken stone	44.1	41.5	44.0	37.7	—	—	—	—	—	
—	CONTRACT CONSTRUCTION	37.1	36.0	36.8	33.7	36.6	—	—	—	—	
15	GENERAL BUILDING CONTRACTORS	36.4	35.1	36.4	33.1	—	—	—	—	—	
16	HEAVY CONSTRUCTION CONTRACTORS	39.9	39.1	38.4	34.2	—	—	—	—	—	
161	Highway and street construction	40.7	39.4	38.3	34.3	—	—	—	—	—	
162	Heavy construction, nec	39.3	38.9	38.5	34.1	—	—	—	—	—	
17	SPECIAL TRADE CONTRACTORS	36.4	35.5	36.5	34.0	—	—	—	—	—	
171	Plumbing, heating, air conditioning	37.9	37.9	38.4	37.2	—	—	—	—	—	
172	Painting, paper hanging, decorating	35.1	34.0	35.7	32.2	—	—	—	—	—	
173	Electrical work	38.0	37.7	38.6	36.6	—	—	—	—	—	
174	Masonry, stonework, and plastering	33.2	30.8	31.5	27.7	—	—	—	—	—	
176	Roofing and sheet metal work	32.7	29.1	32.1	27.8	—	—	—	—	—	
—	MANUFACTURING	40.0	39.9	40.6	39.2	40.1	3.1	2.8	3.3	3.0	
19,24,25, 32-39	DURABLE GOODS	40.6	40.3	41.3	39.7	40.7	3.1	2.7	3.5	3.1	
20-23,26-31	NONDURABLE GOODS	39.3	39.4	39.7	38.4	39.3	3.0	3.0	3.1	2.8	
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	40.7	41.2	41.6	40.4	40.6	2.6	3.2	2.9	2.8	
192	Ammunition, except for small arms	40.1	40.4	41.4	40.2	40.5	2.1	2.1	2.8	2.7	
1925	Complete guided missiles	40.3	40.3	42.1	40.7	—	—	—	—	—	
1929	Ammunition, exc. for small arms, nec.	39.7	40.5	40.1	39.3	—	—	—	—	—	
24	LUMBER AND WOOD PRODUCTS	40.2	39.7	40.4	38.6	40.6	3.5	3.1	3.6	3.2	
242	Sawmills and planing mills	40.8	40.2	41.3	39.3	(*)	4.1	3.5	4.3	3.8	
2421	Sawmills and planing mills, general	40.9	40.2	41.4	39.3	—	—	—	—	—	
243	Millwork, plywood and related products	40.0	39.4	40.3	38.9	(*)	3.2	2.7	3.3	2.9	
2431	Millwork	39.2	38.8	39.8	38.3	—	—	—	—	—	
2432	Veneer and plywood	41.2	40.6	41.5	40.8	—	—	—	—	—	
244	Wooden containers	38.6	37.4	38.4	36.4	(*)	2.3	1.5	2.2	2.0	
2441,2	Wooden boxes, shooks, and crates	38.9	37.6	38.8	36.6	—	—	—	—	—	
249	Miscellaneous wood products	40.3	40.9	39.8	38.1	(*)	3.4	3.6	3.4	3.1	
25	FURNITURE AND FIXTURES	38.7	38.7	39.3	36.5	36.7	2.0	2.0	2.2	1.6	
251	Household furniture	38.4	38.5	38.9	35.9	(*)	2.0	2.1	2.2	1.4	
2511	Wood household furniture	39.2	39.3	39.7	36.4	—	2.3	2.4	2.5	1.6	
2512	Upholstered household furniture	37.3	37.7	38.2	34.8	—	—	—	—	—	
2515	Mattresses and bedsprings	37.3	37.2	36.6	36.3	—	—	—	—	—	
252	Office furniture	40.3	39.6	41.7	38.6	—	2.4	1.7	2.9	2.3	
254	Partitions and fixtures	39.5	39.0	40.1	38.4	—	2.6	2.0	2.4	2.1	
253,9	Other furniture and fixtures	38.5	38.4	39.4	37.4	(*)	1.7	2.0	1.8	1.3	
32	STONE, CLAY, AND GLASS PRODUCTS	41.2	40.4	41.3	39.2	40.7	4.1	3.4	3.9	3.4	
321	Flat glass	42.7	42.9	43.0	42.1	—	5.2	4.3	5.7	5.8	
322	Glass and glassware, pressed or blown	40.6	40.8	40.9	40.0	(*)	4.2	3.7	3.9	4.1	
3221	Glass containers	40.8	41.1	41.2	41.1	—	—	—	—	—	
3229	Pressed and blown glass, nec	40.3	40.3	40.4	38.3	—	2.9	2.6	2.6	2.5	
324	Cement, hydraulic	41.7	40.7	41.6	41.3	(*)	3.0	2.4	2.8	2.9	
325	Structural clay products	41.0	40.3	41.2	39.4	(*)	3.8	3.5	3.7	3.3	
3251	Brick and structural clay tile	41.6	40.1	41.6	39.9	—	—	—	—	—	
326	Pottery and related products	38.9	38.9	39.7	38.4	—	2.2	2.1	2.2	2.0	
327	Concrete, gypsum and plaster products	42.4	40.3	42.0	37.7	(*)	5.4	4.0	4.7	3.4	
328,9	Other stone and nonmetallic mineral products	40.6	40.3	40.9	39.6	40.4	3.1	2.8	3.3	2.9	
3291	Abrasives products	39.6	39.6	40.1	38.5	—	—	—	—	—	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$ 276.08	\$262.35	\$283.50	\$279.90	\$282.98	\$6.80	\$6.51	\$7.00	\$6.98	\$6.97
331	Blast furnace and basic steel products	307.20	292.25	308.11	308.51	(*)	7.68	7.38	7.88	7.85	(*)
3312	Blast furnaces and steel mills	312.38	299.38	313.50	314.38	—	7.86	7.56	8.08	8.02	—
332	Iron and steel foundries	252.56	236.74	268.36	253.03	(*)	6.16	5.86	6.42	6.31	(*)
3321	Gray iron foundries	262.26	243.01	276.54	258.80	—	6.35	6.03	6.60	6.47	—
3322	Malleable iron foundries	261.23	243.42	280.71	263.16	—	6.58	6.29	6.83	6.80	—
3323	Steel foundries	223.16	219.18	243.28	236.16	—	5.51	5.32	5.82	5.76	—
333,4	Nonferrous metals	275.22	260.00	287.87	282.62	(*)	6.60	6.25	6.92	6.91	(*)
3334	Primary aluminum	304.72	281.89	315.29	307.53	—	7.29	6.76	7.69	7.65	—
335	Nonferrous rolling and drawing	251.82	240.61	258.32	261.24	(*)	6.01	5.77	6.18	6.22	(*)
3351	Copper rolling and drawing	251.43	243.92	255.59	254.00	—	5.93	5.78	6.10	6.18	—
3352	Aluminum rolling and drawing	265.22	251.22	271.79	271.15	—	6.27	6.01	6.38	6.35	—
3357	Nonferrous wire drawing and insulating	247.76	237.64	252.15	260.62	—	5.97	5.74	6.15	6.22	—
336	Nonferrous foundries	209.84	203.41	221.81	217.88	(*)	5.22	5.06	5.41	5.42	(*)
3361	Aluminum castings	216.14	208.40	227.42	222.15	—	5.35	5.21	5.52	5.54	—
3362,9	Other nonferrous castings	202.91	197.56	215.42	211.85	—	5.06	4.89	5.28	5.27	—
339	Miscellaneous primary metal products	258.00	252.10	273.91	267.42	275.25	6.45	6.24	6.73	6.77	6.83
3391	Iron and steel forgings	273.71	263.48	289.58	283.68	—	6.86	6.62	7.15	7.20	—
34	FABRICATED METAL PRODUCTS	221.00	213.72	231.54	222.95	225.52	5.43	5.29	5.62	5.63	5.61
341	Metal cans	305.64	290.30	307.71	297.49	297.67	7.01	6.72	7.09	7.10	7.19
342	Cutlery, hand tools, and hardware	210.89	201.60	227.29	216.66	(*)	5.22	5.04	5.49	5.43	(*)
3421,3,5	Cutlery and hand tools, incl. saws	194.17	190.15	205.50	193.44	—	4.83	4.73	5.00	4.96	—
3429	Hardware, nec	222.35	210.67	241.53	232.47	—	5.49	5.28	5.82	5.74	—
343	Plumbing and heating, except electric	194.40	188.87	205.63	195.55	(*)	4.86	4.71	5.04	5.04	(*)
3431,2	Sanitary ware and plumbers' brass goods	193.25	187.78	199.29	189.38	—	4.88	4.73	5.02	5.05	—
3433	Heating equipment, except electric	195.54	189.48	211.00	201.60	—	4.84	4.69	5.06	5.04	—
344	Fabricated structural metal products	215.20	210.65	226.46	215.28	221.20	5.34	5.24	5.51	5.52	5.53
3441	Fabricated structural steel	230.87	222.76	246.23	226.58	—	5.59	5.42	5.78	5.78	—
3442	Metal doors, sash, and trim	170.04	165.64	177.30	173.20	—	4.36	4.28	4.50	4.57	—
3443	Fabricated plate work (boiler shops)	231.83	228.22	247.10	236.61	—	5.71	5.58	5.94	5.99	—
3444	Sheet metal work	218.90	213.25	224.78	215.51	—	5.50	5.44	5.55	5.54	—
3446,9	Architectural and misc. metal work	204.12	197.07	214.20	203.57	—	5.04	4.89	5.25	5.18	—
345	Screw machine products, bolts, etc	217.46	203.92	231.08	223.86	(*)	5.24	5.06	5.45	5.46	(*)
3451	Screw machine products	206.41	191.84	221.65	211.29	—	5.01	4.82	5.24	5.23	—
3452	Bolts, nuts, rivets, and washers	227.27	214.90	241.54	236.70	—	5.45	5.28	5.67	5.69	—
346	Metal stampings	250.71	241.57	258.73	249.74	(*)	6.10	5.95	6.42	6.47	(*)
347	Metal services, nec	178.09	173.13	186.59	179.66	(*)	4.43	4.35	4.54	4.56	(*)
348	Miscellaneous fabricated wire products	187.67	185.26	194.68	190.64	(*)	4.68	4.62	4.76	4.79	(*)
349	Miscellaneous fabricated metal products	215.59	210.83	229.63	224.07	(*)	5.31	5.18	5.52	5.56	(*)
3494,8	Valves, pipe, and pipe fittings	222.36	220.71	236.04	229.39	—	5.45	5.37	5.62	5.65	—
35	MACHINERY, EXCEPT ELECTRICAL	236.74	230.57	253.38	243.39	248.81	5.76	5.61	5.99	5.98	6.01
351	Engines and turbines	269.58	257.87	295.07	291.92	(*)	6.64	6.32	7.11	7.12	(*)
3511	Steam engines and turbines	256.46	239.20	278.05	281.22	—	6.24	5.82	6.70	6.76	—
3519	Internal combustion engines, nec	275.93	266.59	302.54	296.30	—	6.83	6.55	7.29	7.28	—
352	Farm machinery	248.67	250.85	266.70	251.25	—	6.08	6.03	6.35	6.25	—
353	Construction and related machinery	246.24	243.67	264.39	253.13	256.46	6.05	5.90	6.28	6.25	6.24
3531,2	Construction and mining machinery	259.50	257.28	277.69	266.66	—	6.52	6.40	6.74	6.70	—
3533	Oil field machinery	238.10	237.36	256.80	247.66	—	5.55	5.31	5.81	5.80	—
3535,6	Conveyors, hoists, cranes, monorails	231.24	232.39	243.19	229.82	—	5.64	5.52	5.86	5.76	—
3537	Industrial trucks and tractors	217.20	201.24	242.92	231.95	—	5.43	5.16	5.77	5.77	—
354	Metal working machinery	248.89	239.87	270.76	260.62	(*)	5.94	5.78	6.21	6.22	(*)
3541	Machine tools, metal cutting types	249.96	238.71	281.11	262.28	—	5.98	5.78	6.36	6.32	—
3544	Special dies, tools, jigs and fixtures	272.16	264.50	291.24	286.89	—	6.30	6.18	6.53	6.58	—
3545	Machine tool accessories	224.95	216.40	243.95	235.65	—	5.50	5.33	5.74	5.79	—
3542,8	Miscellaneous metal working machinery	220.55	212.80	241.34	229.37	—	5.50	5.32	5.76	5.72	—
355	Special industry machinery	219.76	210.23	242.09	230.42	235.46	5.36	5.14	5.63	5.62	5.66
3551	Food products machinery	230.57	218.69	254.88	236.34	—	5.61	5.36	5.90	5.85	—
3552	Textile machinery	182.20	174.40	196.93	187.31	—	4.51	4.36	4.70	4.73	—
3555	Printing trades machinery	226.03	214.90	254.72	245.02	—	5.54	5.28	5.91	5.89	—
356	General industrial machinery	233.78	229.04	251.76	240.19	(*)	5.73	5.60	5.98	5.96	(*)
3561	Pumps and compressors	235.50	230.05	254.92	242.35	—	5.73	5.53	5.97	5.94	—
3562	Ball and roller bearings	243.36	237.63	261.88	249.08	—	5.95	5.81	6.25	6.12	—
3564	Blowers and fans	218.65	210.53	245.47	230.45	—	5.32	5.16	5.63	5.69	—
3566	Power transmission equipment	234.11	228.52	248.64	236.59	—	5.71	5.56	5.92	5.90	—
357	Office and computing machines	222.18	215.17	232.95	222.19	(*)	5.29	5.21	5.38	5.38	(*)
3573	Electronic computing equipment	232.05	226.26	240.68	227.64	—	5.46	5.40	5.47	5.42	—
358	Service industry machines	209.32	200.88	212.61	201.96	204.82	5.22	5.06	5.41	5.40	5.39
3585	Refrigeration machinery	211.17	204.51	213.79	200.91	—	5.24	5.10	5.44	5.43	—
359	Miscellaneous machinery, except electrical	231.16	223.85	244.65	238.88	(*)	5.57	5.42	5.77	5.77	(*)

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	40.6	40.3	40.5	40.1	40.6	3.2	2.7	3.2	3.2	
331	Blast furnace and basic steel products	40.0	39.6	39.1	39.3	(*)	2.5	1.9	2.1	2.3	
3312	Blast furnaces and steel mills	39.8	39.6	38.8	39.2	—	2.4	1.9	1.9	2.2	
332	Iron and steel foundries	41.0	40.4	41.8	40.1	(*)	4.1	3.4	4.6	4.2	
3321	Gray iron foundries	41.3	40.3	41.9	40.0	—	4.6	3.4	5.2	4.7	
3322	Malleable iron foundries	39.7	38.7	41.1	38.7	—	—	—	—	—	
3323	Steel foundries	40.5	41.2	41.8	41.0	—	3.3	3.5	3.8	3.6	
333,4	Nonferrous metals	41.7	41.6	41.6	40.9	(*)	3.6	3.5	3.2	3.1	
3334	Primary aluminum	41.8	41.7	41.0	40.2	—	—	—	—	—	
335	Nonferrous rolling and drawing	41.9	41.7	41.8	42.0	(*)	4.3	3.8	4.4	4.6	
3351	Copper rolling and drawing	42.4	42.2	41.9	41.1	—	—	—	—	—	
3352	Aluminum rolling and drawing	42.3	41.8	42.6	42.7	—	5.1	4.2	5.6	5.5	
3357	Nonferrous wire drawing and insulating ..	41.5	41.4	41.0	41.9	—	3.9	3.3	3.7	4.4	
336	Nonferrous foundries	40.2	40.2	41.0	40.2	(*)	2.9	2.5	3.3	3.1	
3361	Aluminum castings	40.4	40.0	41.2	40.1	—	—	—	—	—	
3362,9	Other nonferrous castings	40.1	40.4	40.8	40.2	—	—	—	—	—	
339	Miscellaneous primary metal products	40.0	40.4	40.7	39.5	40.3	3.4	3.2	3.7	3.6	
3391	Iron and steel forgings	39.9	39.8	40.5	39.4	—	—	—	—	—	
34	FABRICATED METAL PRODUCTS	40.7	40.4	41.2	39.6	40.2	3.2	2.8	3.5	3.1	
341	Metal cans	43.6	43.2	43.4	41.9	41.4	4.2	3.8	3.4	3.4	
342	Cutlery, hand tools, and hardware	40.4	40.0	41.4	39.9	(*)	2.9	2.5	3.6	2.9	
3421,3,5	Cutlery and hand tools, incl. saws	40.2	40.2	41.1	39.0	—	—	—	—	—	
3429	Hardware, nec	40.5	39.9	41.5	40.5	—	—	—	—	—	
343	Plumbing and heating, except electric	40.0	40.1	40.8	38.8	(*)	2.8	2.7	3.3	2.7	
3431,2	Sanitary ware and plumbers' brass goods ..	39.6	39.7	39.7	37.5	—	—	—	—	—	
3433	Heating equipment, except electric	40.4	40.4	41.7	40.0	—	—	—	—	—	
344	Fabricated structural metal products	40.3	40.2	41.1	39.0	40.0	2.8	2.6	3.0	2.4	
3441	Fabricated structural steel	41.3	41.1	42.6	39.2	—	3.2	3.2	3.4	2.8	
3442	Metal doors, sash, and trim	39.0	38.7	39.4	37.9	—	—	—	—	—	
3443	Fabricated plate work (boiler shops)	40.6	40.9	41.6	39.5	—	2.7	3.0	3.2	2.8	
3444	Sheet metal work	39.8	39.2	40.5	38.9	—	—	—	—	—	
3446,9	Architectural and misc. metal work	40.5	40.3	40.8	39.3	—	—	—	—	—	
345	Screw machine products, bolts, etc	41.5	40.3	42.4	41.0	(*)	3.6	2.3	4.3	3.9	
3451	Screw machine products	41.2	39.8	42.3	40.4	—	—	—	—	—	
3452	Bolts, nuts, rivets, and washers	41.7	40.7	42.6	41.6	—	—	—	—	—	
346	Metal stampings	41.1	40.6	40.3	38.6	(*)	4.1	3.3	4.2	4.1	
347	Metal services, nec	40.2	39.8	41.1	39.4	(*)	3.3	3.1	3.6	3.2	
348	Miscellaneous fabricated wire products	40.1	40.1	40.9	39.8	(*)	2.7	2.7	3.0	2.3	
349	Miscellaneous fabricated metal products	40.6	40.7	41.6	40.3	(*)	3.0	2.9	3.2	3.1	
3494,8	Valves, pipe, and pipe fittings	40.8	41.1	42.0	40.6	—	—	—	—	—	
35	MACHINERY, EXCEPT ELECTRICAL	41.1	41.1	42.3	40.7	41.4	3.1	3.0	3.9	3.4	
351	Engines and turbines	40.6	40.8	41.5	41.0	(*)	3.0	2.9	3.3	3.2	
3511	Steam engines and turbines	41.1	41.1	41.5	41.6	—	—	—	—	—	
3519	Internal combustion engines, nec	40.4	40.7	41.5	40.7	—	—	—	—	—	
352	Farm machinery	40.9	41.6	42.0	40.2	—	3.2	3.2	4.7	4.2	
353	Construction and related machinery	40.7	41.3	42.1	40.5	41.1	2.5	2.9	2.8	2.1	
3531,2	Construction and mining machinery	39.8	40.2	41.2	39.8	—	1.8	2.1	2.0	1.7	
3533	Oil field machinery	42.9	44.7	44.2	42.7	—	—	—	—	—	
3535,6	Conveyors, hoists, cranes, monorails	41.0	42.1	41.5	39.9	—	—	—	—	—	
3537	Industrial trucks and tractors	40.0	39.0	42.1	40.2	—	—	—	—	—	
354	Metal working machinery	41.9	41.5	43.6	41.9	(*)	4.0	3.5	5.3	4.9	
3541	Machine tools, metal cutting types	41.8	41.3	44.2	41.5	—	3.5	2.7	5.0	4.3	
3544	Special dies, tools, jig and fixtures	43.2	42.8	44.6	43.6	—	—	—	—	—	
3545	Machine tool accessories	40.9	40.6	42.5	40.7	—	3.1	2.5	4.2	3.7	
3542,8	Miscellaneous metal working machinery	40.1	40.0	41.9	40.1	—	—	—	—	—	
355	Special industry machinery	41.0	40.9	43.0	41.0	41.6	3.0	2.8	4.2	3.0	
3551	Food products machinery	41.1	40.8	43.2	40.4	—	—	—	—	—	
3552	Textile machinery	40.4	40.0	41.9	39.6	—	—	—	—	—	
3555	Printing trades machinery	40.8	40.7	43.1	41.6	—	—	—	—	—	
356	General industrial machinery	40.8	40.9	42.1	40.3	(*)	2.9	3.0	3.8	3.4	
3561	Pumps and compressors	41.1	41.6	42.7	40.8	—	3.1	3.3	4.5	3.9	
3562	Ball and roller bearings	40.9	40.9	41.9	40.7	—	3.2	3.4	4.0	3.9	
3564	Blowers and fans	41.1	40.8	43.6	40.5	—	—	—	—	—	
3566	Power transmission equipment	41.0	41.1	42.0	40.1	—	3.1	2.8	3.7	3.0	
357	Office and computing machines	42.0	41.3	43.3	41.3	(*)	2.8	2.3	3.9	3.3	
3573	Electronic computing equipment	42.5	41.9	44.0	42.0	—	—	—	—	—	
358	Service industry machines	40.1	39.7	39.3	37.4	38.0	2.2	1.6	2.3	1.8	
3585	Refrigeration machinery	40.3	40.1	39.3	37.0	—	2.2	1.6	2.3	1.8	
359	Miscellaneous machinery, except electrical ..	41.5	41.3	42.4	41.4	(*)	3.8	3.6	4.3	4.0	

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$196.40	\$190.80	\$210.64	\$204.73	\$211.77	\$4.91	\$4.77	\$5.15	\$5.17	\$5.14
361	Electric test and distributing equipment	204.00	194.80	218.28	211.60	(*)	5.10	4.87	5.35	5.33	(*)
3611	Electric measuring instruments	199.90	187.46	207.72	205.40	—	5.01	4.77	5.18	5.20	—
3612	Transformers	194.73	188.55	212.52	204.00	—	4.82	4.61	5.06	5.00	—
3613	Switchgear and switchboard apparatus	213.33	204.69	230.61	221.31	—	5.36	5.13	5.68	5.66	—
362	Electrical industrial apparatus	198.30	193.76	209.79	204.36	(*)	4.97	4.82	5.18	5.20	(*)
3621	Motors and generators	202.51	200.97	213.31	209.72	—	5.05	4.95	5.28	5.35	—
3622	Industrial controls	186.20	178.03	198.99	191.88	—	4.75	4.53	4.95	4.92	—
363	Household appliances	193.34	188.94	206.63	200.31	203.54	4.87	4.70	5.14	5.11	5.14
3632	Household refrigerators and freezers	206.56	201.64	226.29	224.82	—	5.19	4.93	5.56	5.47	—
3633	Household laundry equipment	221.48	211.58	239.99	236.77	—	5.65	5.51	5.97	6.04	—
3634	Electric housewares and fans	164.25	161.17	172.33	170.23	—	4.19	4.07	4.43	4.41	—
364	Electric lighting and wiring equipment	186.80	181.20	196.75	189.24	(*)	4.67	4.53	4.87	4.89	(*)
3641	Electric lamps	199.41	189.42	216.01	207.60	—	4.84	4.62	5.18	5.19	—
3642	Lighting fixtures	192.46	190.72	199.20	187.13	—	4.86	4.78	4.98	4.99	—
3643,4	Wiring devices	176.27	169.85	185.66	182.52	—	4.44	4.30	4.63	4.68	—
365	Radio and TV receiving equipment	174.09	171.52	178.16	174.09	(*)	4.51	4.49	4.58	4.63	(*)
366	Communication equipment	228.17	219.49	250.25	244.73	(*)	5.62	5.46	5.93	5.94	(*)
3661	Telephone and telegraph apparatus	237.15	225.99	266.79	258.30	—	5.77	5.58	6.19	6.15	—
3662	Radio and TV communication equipment	221.90	215.20	237.80	234.09	—	5.52	5.38	5.73	5.78	—
367	Electronic components and accessories	163.58	159.20	175.82	171.30	(*)	4.11	4.01	4.32	4.37	(*)
3671-3	Electron tubes	209.84	201.47	227.55	226.14	—	5.22	4.95	5.55	5.57	—
3674,9	Other electronic components	158.01	153.26	169.72	164.58	—	3.97	3.88	4.17	4.22	—
369	Miscellaneous electrical equip. and supplies	233.91	225.36	253.80	241.49	(*)	5.65	5.51	5.93	5.89	(*)
3694	Engine electrical equipment	250.88	239.09	270.08	256.44	—	6.06	5.86	6.34	6.27	—
37	TRANSPORTATION EQUIPMENT	272.06	259.72	295.64	281.48	285.25	6.54	6.35	6.94	6.95	6.89
371	Motor vehicles and equipment	305.30	284.00	335.66	318.52	(*)	7.10	6.86	7.56	7.62	(*)
3711	Motor vehicles	321.03	294.35	366.86	339.62	—	7.38	7.11	8.01	8.01	—
3712	Passenger car bodies	341.06	320.21	383.00	366.03	—	7.95	7.81	8.29	8.30	—
3713	Truck and bus bodies	223.01	211.85	234.50	229.46	—	5.52	5.27	5.79	5.96	—
3714	Motor vehicle parts and accessories	300.57	281.73	318.86	308.84	—	6.99	6.74	7.33	7.46	—
3715	Truck trailers	198.07	193.27	209.50	208.00	—	5.04	5.02	5.16	5.20	—
372	Aircraft and parts	263.16	258.74	278.56	275.37	(*)	6.45	6.28	6.68	6.70	(*)
3721	Aircraft	271.42	266.56	283.30	283.73	—	6.62	6.47	6.81	6.87	—
3722	Aircraft engines and engine parts	262.10	257.86	281.26	276.34	—	6.52	6.32	6.86	6.84	—
3723,9	Other aircraft parts and equipment	245.55	242.02	263.89	254.61	—	5.96	5.79	6.18	6.15	—
373	Ship and boat building and repairing	223.00	218.55	234.63	(*)	(*)	5.66	5.45	5.91	(*)	(*)
3731	Ship building and repairing	236.19	231.15	249.88	(*)	—	6.01	5.75	6.31	(*)	—
3732	Boat building and repairing	176.22	173.17	184.86	178.69	—	4.45	4.34	4.61	4.57	—
374	Railroad equipment	261.58	253.74	280.99	265.56	—	6.69	6.44	7.06	6.97	—
375,9	Other transportation equipment	174.10	163.02	175.03	169.19	—	4.43	4.29	4.57	4.61	—
38	INSTRUMENTS AND RELATED PRODUCTS	196.75	190.48	210.73	202.07	210.12	4.87	4.75	5.09	5.09	5.10
381	Engineering and scientific instruments	207.77	202.78	224.28	212.53	—	5.13	4.97	5.34	5.30	—
382	Mechanical measuring and control devices	190.15	179.66	207.25	193.05	(*)	4.73	4.56	4.97	4.95	(*)
3821	Mechanical measuring devices	195.62	184.54	215.56	200.09	—	4.83	4.66	5.06	5.04	—
3822	Automatic temperature controls	181.83	171.60	192.88	181.92	—	4.58	4.40	4.81	4.80	—
383,5	Optical and ophthalmic goods	174.40	167.90	183.37	175.62	(*)	4.36	4.23	4.55	4.48	(*)
385	Ophthalmic goods	157.20	152.49	161.92	159.71	—	4.00	3.91	4.12	4.17	—
384	Medical instruments and supplies	171.07	163.88	182.78	176.96	(*)	4.32	4.17	4.48	4.48	(*)
386	Photographic equipment and supplies	257.27	255.20	274.77	268.62	(*)	6.14	6.12	6.45	6.52	(*)
387	Watches, clocks, and watchcases	155.23	154.37	161.99	158.98	—	3.92	3.84	4.06	4.14	—
39	MISC. MANUFACTURING INDUSTRIES	155.19	152.45	164.27	160.60	166.63	4.01	3.97	4.18	4.26	4.24
391	Jewelry, silverware, and plated ware	166.96	157.80	180.00	165.84	(*)	4.27	4.12	4.50	4.47	(*)
394	Toys and sporting goods	142.46	143.22	148.23	147.31	—	3.71	3.72	3.85	3.96	—
3941-3	Games, toys, dolls and play vehicles	134.19	137.59	137.64	136.78	—	3.55	3.64	3.69	3.81	—
3949	Sporting and athletic goods, nec	150.93	148.58	157.61	155.86	—	3.87	3.80	3.98	4.08	—
395	Pens, pencils, office and art supplies	159.98	155.99	172.64	167.98	—	3.95	3.89	4.15	4.21	—
396	Costume jewelry and notions	133.13	127.28	140.91	138.01	—	3.55	3.44	3.66	3.74	—
393,9	Other manufacturing industries	168.39	165.21	177.36	174.12	(*)	4.34	4.28	4.49	4.57	(*)
393	Musical instruments and parts	157.96	154.07	168.02	154.50	—	4.04	3.97	4.19	4.12	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	199.89	193.84	208.98	204.75	205.01	4.96	4.81	5.16	5.21	5.19
201	Meat products	205.13	204.91	213.96	210.26	(*)	5.09	5.01	5.27	5.35	(*)
2011	Meat packing plants	253.91	252.88	266.25	266.28	—	6.06	5.95	6.25	6.31	—
2013	Sausages and other prepared meats	243.39	238.71	258.54	244.05	—	5.98	5.78	6.26	6.21	—
2015	Poultry dressing plants	123.88	122.05	126.67	118.61	—	3.26	3.17	3.36	3.36	—

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. P 1977	Feb. P 1977	Avg. 1976	Jan. 1976	Dec. 1976	Jan. P 1977	Feb. P 1977
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.0	40.0	40.9	39.6	41.2	2.3	2.0	2.8	2.4	—
361	Electric test and distributing equipment	40.0	40.0	40.8	39.7	(*)	2.0	2.0	2.5	2.3	—
3611	Electric measuring instruments	39.9	39.3	40.1	39.5	—	1.7	1.7	2.2	2.0	—
3612	Transformers	40.4	40.9	42.0	40.8	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	39.8	39.9	40.6	39.1	—	—	—	—	—	—
362	Electrical industrial apparatus	39.9	40.2	40.5	39.3	(*)	2.3	2.1	2.6	2.5	—
3621	Motors and generators	40.1	40.6	40.4	39.2	—	2.5	2.4	2.8	2.8	—
3622	Industrial controls	39.2	39.3	40.2	39.0	—	1.6	1.2	2.1	1.6	—
363	Household appliances	39.7	40.2	40.2	39.2	39.6	2.0	2.0	2.2	2.2	—
3632	Household refrigerators and freezers	39.8	40.9	40.7	41.1	—	—	—	—	—	—
3633	Household laundry equipment	39.2	38.4	40.2	39.2	—	—	—	—	—	—
3634	Electric housewares and fans	39.2	39.6	38.9	38.6	—	2.0	1.8	2.3	1.8	—
364	Electric lighting and wiring equipment	40.0	40.0	40.4	38.7	(*)	2.3	2.0	2.5	2.0	—
3641	Electric lamps	41.2	41.0	41.7	40.0	—	2.4	2.4	2.2	1.6	—
3642	Lighting fixtures	39.6	39.9	40.0	37.5	—	2.6	2.2	2.7	2.3	—
3643,4	Wiring devices	39.7	39.5	40.1	39.0	—	2.1	1.6	2.4	2.0	—
365	Radio and TV receiving equipment	38.6	38.2	38.9	37.6	(*)	1.9	1.2	2.2	1.9	—
366	Communication equipment	40.6	40.2	42.2	41.2	(*)	2.3	1.9	3.3	2.6	—
3661	Telephone and telegraph apparatus	41.1	40.5	43.1	42.0	—	—	—	—	—	—
3662	Radio and TV communication equipment	40.2	40.0	41.5	40.5	—	2.3	2.1	2.9	2.5	—
367	Electronic components and accessories	39.8	39.7	40.7	39.2	(*)	2.3	2.0	2.7	2.4	—
3671-3	Electron tubes	40.2	40.7	41.0	40.6	—	1.7	2.3	1.5	1.2	—
3674,9	Other electronic components	39.8	39.5	40.7	39.0	—	2.4	2.0	2.8	2.5	—
369	Miscellaneous electrical equip. and supplies	41.4	40.9	42.8	41.0	(*)	3.3	2.6	4.4	3.6	—
3694	Engine electrical equipment	41.4	40.8	42.6	40.9	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	41.6	40.9	42.6	40.5	41.4	4.1	3.2	4.7	4.2	—
371	Motor vehicles and equipment	43.0	41.4	44.4	41.8	(*)	5.3	3.8	6.4	5.8	—
3711	Motor vehicles	43.5	41.4	45.8	42.4	—	5.7	3.5	7.4	5.8	—
3712	Passenger car bodies	42.9	41.0	46.2	44.1	—	—	—	—	—	—
3713	Truck and bus bodies	40.4	40.2	40.5	38.5	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	43.0	41.8	43.5	41.4	—	5.2	4.3	5.5	5.7	—
3715	Truck trailers	39.3	38.5	40.6	40.0	—	—	—	—	—	—
372	Aircraft and parts	40.8	41.2	41.7	41.1	(*)	2.7	2.7	3.2	2.9	—
3721	Aircraft	41.0	41.2	41.6	41.3	—	2.4	2.7	2.5	2.4	—
3722	Aircraft engines and engine parts	40.2	40.8	41.0	40.4	—	2.8	2.3	3.5	3.0	—
3723,9	Other aircraft parts and equipment	41.2	41.8	42.7	41.4	—	3.3	3.4	4.3	3.7	—
373	Ship and boat building and repairing	39.4	40.1	39.7	(*)	(*)	2.6	2.7	2.6	(*)	—
3731	Ship building and repairing	39.3	40.2	39.6	(*)	—	—	—	—	—	—
3732	Boat building and repairing	39.6	39.9	40.1	39.1	—	—	—	—	—	—
374	Railroad equipment	39.1	39.4	39.8	38.1	—	1.7	1.9	2.2	1.8	—
375,9	Other transportation equipment	39.3	38.0	38.3	36.7	—	2.5	2.0	2.1	2.0	—
38	INSTRUMENTS AND RELATED PRODUCTS	40.4	40.1	41.4	39.7	41.2	2.4	2.1	2.8	2.2	—
381	Engineering and scientific instruments	40.5	40.8	42.0	40.1	—	2.6	2.6	3.1	2.2	—
382	Mechanical measuring and control devices	40.2	39.4	41.7	39.0	(*)	2.4	1.8	2.9	2.2	—
3821	Mechanical measuring devices	40.5	39.6	42.6	39.7	—	2.4	2.0	3.1	2.6	—
3822	Automatic temperature controls	39.7	39.0	40.1	37.9	—	2.4	1.6	2.6	1.7	—
383,5	Optical and ophthalmic goods	40.0	39.5	40.3	39.2	(*)	2.3	1.8	2.5	2.0	—
385	Ophthalmic goods	39.3	39.0	39.3	38.3	—	1.9	1.4	1.9	1.8	—
384	Medical instruments and supplies	39.6	39.3	40.8	39.5	(*)	2.0	1.7	2.6	2.0	—
386	Photographic equipment and supplies	41.9	41.7	42.6	41.2	(*)	3.0	2.8	3.4	2.5	—
387	Watches, clocks, and watch cases	39.6	40.2	39.9	38.4	—	1.7	1.7	1.9	2.3	—
39	MISC. MANUFACTURING INDUSTRIES	38.7	38.4	39.3	37.7	39.3	2.0	1.8	2.1	1.7	—
391	Jewelry, silverware, and plated ware	39.1	38.3	40.0	37.1	(*)	2.6	2.3	3.0	2.1	—
394	Toys and sporting goods	38.4	38.5	38.5	37.2	—	1.6	1.3	1.4	1.3	—
3941-3	Games, toys, dolls and play vehicles	37.8	37.8	37.3	35.9	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	39.0	39.1	39.6	38.2	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	40.5	40.1	41.6	39.9	—	2.8	2.9	3.5	2.7	—
396	Costume jewelry and notions	37.5	37.0	38.4	36.9	—	1.6	1.4	1.7	1.8	—
393,9	Other manufacturing industries	38.8	38.6	39.5	38.1	(*)	2.0	2.0	2.0	1.7	—
393	Musical instruments and parts	39.1	38.8	40.1	37.5	—	1.5	1.6	2.0	1.2	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.3	40.3	40.5	39.3	39.5	3.9	3.9	3.9	3.5	—
201	Meat products	40.3	40.9	40.6	39.3	(*)	4.1	4.4	4.3	3.7	—
2011	Meat packing plants	41.9	42.5	42.6	42.2	—	4.7	5.2	5.0	4.3	—
2013	Sausages and other prepared meats	40.7	41.3	41.2	39.3	—	—	—	—	—	—
2015	Poultry dressing plants	38.0	38.5	37.7	35.3	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977P	Feb. 1977P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977P	Feb. 1977P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	\$204.18	\$194.81	\$214.20	\$210.43	(*)	\$ 4.92	\$ 4.74	\$5.10	\$5.12	(*)
2024	Ice cream and frozen desserts	196.71	187.79	203.15	198.14	—	4.93	4.84	5.13	5.16	—
2026	Fluid milk	215.31	205.09	224.18	223.55	—	5.09	4.86	5.25	5.26	—
203	Canned, cured, and frozen foods	163.97	157.06	169.67	163.97	—	4.27	4.09	4.43	4.48	—
2031,6	Canned, cured, and frozen sea foods	136.19	127.25	143.42	134.53	—	3.88	3.71	4.04	4.04	—
2032,3	Canned food, except sea foods	177.75	172.66	184.93	177.28	—	4.50	4.36	4.67	4.74	—
2037	Frozen fruits and vegetables	152.85	150.84	158.12	154.61	—	3.97	3.79	4.15	4.19	—
204	Grain mill products	229.15	221.34	240.02	236.93	(*)	5.28	5.10	5.48	5.51	(*)
2041	Flour and other grain mill products	247.79	236.40	254.25	251.24	—	5.47	5.23	5.65	5.71	—
2042	Prepared feeds for animals and fowls	196.64	193.58	208.15	207.41	—	4.51	4.44	4.72	4.79	—
205	Bakery products	202.27	193.83	210.26	204.91	(*)	5.16	4.97	5.35	5.35	(*)
2051	Bread, cake, and related products	200.46	190.68	207.09	202.16	—	5.14	4.94	5.31	5.32	—
2052	Cookies and crackers	209.72	203.92	223.71	214.19	—	5.23	5.06	5.51	5.45	—
206	Sugar	220.99	206.42	220.48	216.14	—	5.39	4.95	5.20	5.35	—
207	Confectionery and related products	175.72	168.52	175.31	173.20	(*)	4.46	4.31	4.53	4.57	(*)
2071	Confectionery products	167.31	160.58	167.04	159.78	—	4.29	4.16	4.35	4.33	—
208	Beverages	236.56	220.08	246.43	238.07	(*)	5.87	5.60	6.13	6.12	(*)
2082	Malt liquors	337.82	311.53	345.77	330.01	—	7.82	7.33	8.06	8.01	—
2086	Bottled and canned soft drinks	174.89	161.59	181.27	177.08	—	4.45	4.23	4.66	4.66	—
209	Miscellaneous foods and kindred products ..	202.86	197.45	215.28	210.31	(*)	4.83	4.69	5.03	5.08	(*)
21	TOBACCO MANUFACTURES	185.60	186.82	193.03	183.73	\$204.37	4.91	4.84	5.04	5.19	\$5.35
211	Cigarettes	225.72	232.88	244.45	223.84	—	5.94	5.75	6.22	6.27	—
212	Cigars	120.64	117.42	128.02	123.12	—	3.20	3.09	3.36	3.42	—
22	TEXTILE MILL PRODUCTS	147.17	145.66	154.73	150.90	153.20	3.67	3.57	3.83	3.83	3.83
221	Weaving mills, cotton	155.32	155.00	163.55	160.77	159.99	3.77	3.63	3.96	3.95	3.97
222	Weaving mills, synthetics	155.50	152.81	163.60	161.60	161.20	3.83	3.70	4.00	4.00	3.99
223	Weaving and finishing mills, wool	155.66	153.30	167.84	163.07	(*)	3.76	3.65	3.94	3.92	(*)
224	Narrow fabric mills	138.75	138.31	144.68	139.37	(*)	3.46	3.39	3.59	3.62	(*)
225	Knitting mills	133.28	131.37	138.96	134.66	(*)	3.48	3.43	3.60	3.62	(*)
2251	Women's hosiery, except socks	120.75	114.66	129.75	123.95	—	3.22	3.15	3.31	3.35	—
2252	Hosiery, nec	120.75	119.83	122.91	119.97	—	3.22	3.17	3.34	3.37	—
2253	Knit outerwear mills	133.86	131.30	136.53	131.36	—	3.56	3.52	3.70	3.69	—
2254	Knit underwear mills	121.34	119.83	130.99	123.01	—	3.21	3.17	3.35	3.37	—
226	Textile finishing, except wool	160.39	157.80	171.81	159.06	167.23	3.97	3.83	4.15	4.11	4.16
227	Floor covering mills	154.95	149.65	165.09	164.81	—	3.77	3.65	3.94	4.01	—
228	Yarn and thread mills	137.60	136.86	143.92	142.13	145.44	3.44	3.33	3.58	3.58	3.60
229	Miscellaneous textile goods	162.74	159.33	170.55	167.69	(*)	3.95	3.83	4.09	4.11	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	121.40	119.21	124.26	118.93	124.61	3.41	3.33	3.52	3.55	3.53
231	Men's and boys' suits and coats	150.90	145.35	158.19	153.65	(*)	4.18	4.06	4.37	4.39	(*)
232	Men's and boys' furnishings	112.11	112.48	113.49	107.21	(*)	3.08	3.04	3.17	3.21	(*)
2321	Men's and boys' shirts and nightwear	110.23	109.82	110.80	105.88	—	3.02	2.96	3.13	3.17	—
2327	Men's and boys' separate trousers	113.98	116.69	112.73	106.92	—	3.14	3.12	3.23	3.24	—
2328	Men's and boys' work clothing	110.77	109.59	114.95	106.81	—	3.01	2.97	3.09	3.16	—
233	Women's and misses' outerwear	116.88	114.24	118.11	115.75	(*)	3.51	3.38	3.59	3.64	(*)
2331	Women's and misses' blouses and waists	112.88	112.18	114.90	114.43	—	3.32	3.28	3.44	3.51	—
2335	Women's and misses' dresses	115.28	111.82	115.39	111.90	—	3.58	3.43	3.64	3.73	—
2337	Women's and misses' suits and coats	130.87	125.29	132.66	131.61	—	3.99	3.74	4.12	4.10	—
2339	Women's and misses' outerwear, nec	114.12	114.28	116.92	114.92	—	3.27	3.21	3.35	3.39	—
234	Women's and children's undergarments	113.04	109.96	114.31	110.53	(*)	3.14	3.08	3.22	3.27	(*)
2341	Women's and children's underwear	109.80	106.44	109.12	105.84	—	3.05	2.99	3.10	3.15	—
2342	Corsets and allied garments	123.84	121.34	130.31	126.66	—	3.44	3.38	3.58	3.65	—
235	Hats, caps, and millinery	112.72	108.99	112.98	108.05	—	3.03	3.07	3.07	3.15	—
236	Children's outerwear	112.05	111.75	115.05	107.25	(*)	3.13	3.07	3.25	3.25	(*)
2361	Children's dresses and blouses	109.59	109.74	108.82	106.28	—	3.14	3.10	3.21	3.25	—
237,8	Fur goods and miscellaneous apparel	124.55	117.57	130.31	124.93	—	3.45	3.34	3.57	3.59	—
239	Miscellaneous fabricated textile products ..	145.92	141.00	152.43	142.23	(*)	3.85	3.74	3.98	3.94	(*)
2391,2	Housefurnishings	118.88	115.94	127.71	117.84	—	3.17	3.10	3.30	3.31	—
26	PAPER AND ALLIED PRODUCTS	230.23	223.13	243.95	238.41	240.55	5.43	5.25	5.66	5.69	5.66
261,2,6	Paper and pulp mills	271.28	257.99	287.29	284.16	286.08	6.11	5.85	6.37	6.40	6.40
263	Paperboard mills	275.69	267.29	292.60	291.72	292.58	6.28	6.02	6.59	6.60	6.56
264	Miscellaneous converted paper products	200.08	196.05	212.25	205.93	(*)	4.88	4.77	5.09	5.11	(*)
2643	Bags, except textile bags	192.29	148.01	207.46	198.03	—	4.69	4.51	4.87	4.83	—
265	Paperboard containers and boxes	202.78	197.96	215.04	206.74	(*)	4.91	4.77	5.12	5.13	(*)
2651,2	Folding and setup paperboard boxes	192.29	185.69	203.57	193.74	—	4.69	4.54	4.87	4.88	—
2653	Corrugated and solid fiber boxes	214.04	210.76	228.72	219.76	—	5.17	5.03	5.42	5.36	—
2654	Sanitary food containers	192.24	184.29	204.73	193.06	—	4.61	4.43	4.84	4.90	—

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.5	41.1	42.0	41.1	(*)	3.9	3.6	3.9	3.9	—
2024	Ice cream and frozen desserts	39.9	38.8	39.6	38.4	—	—	—	—	—	—
2026	Fluid milk	42.3	42.2	42.7	42.5	—	—	—	—	—	—
203	Canned, cured, and frozen foods	38.4	38.4	38.3	36.6	—	3.3	3.2	2.7	2.1	—
2031.6	Canned, cured, and frozen sea foods	35.1	34.3	35.5	33.3	—	—	—	—	—	—
2032.3	Canned food, except sea foods	39.5	39.6	39.6	37.4	—	—	—	—	—	—
2037	Frozen fruits and vegetables	38.5	39.8	38.1	36.9	—	—	—	—	—	—
204	Grain mill products	43.4	43.4	43.8	43.0	(*)	5.8	6.2	5.6	6.1	—
2041	Flour and other grain mill products	45.3	45.2	45.0	44.0	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	43.6	43.6	44.1	43.3	—	—	—	—	—	—
205	Bakery products	39.2	39.0	39.3	38.3	(*)	3.4	2.9	3.4	3.1	—
2051	Bread, cake, and related products	39.0	38.6	39.0	38.0	—	—	—	—	—	—
2052	Cookies and crackers	40.1	40.3	40.6	39.3	—	—	—	—	—	—
206	Sugar	41.0	41.7	42.4	40.4	—	3.9	4.1	—	2.5	—
207	Confectionery and related products	39.4	39.1	38.7	37.9	(*)	2.5	2.4	2.5	2.2	—
2071	Confectionery products	39.0	38.6	38.4	36.9	—	—	—	—	—	—
208	Beverages	40.3	39.3	40.2	38.9	(*)	3.9	3.2	3.7	3.2	—
2082	Malt liquors	43.2	42.5	42.9	41.2	—	—	—	—	—	—
2086	Bottled and canned soft drinks	39.3	38.2	38.9	38.0	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	42.0	42.1	42.8	41.4	(*)	4.8	4.9	4.9	4.5	—
21	TOBACCO MANUFACTURES	37.8	38.6	38.3	35.4	38.2	1.5	1.7	2.2	1.9	—
211	Cigarettes	38.0	40.5	39.3	35.7	—	1.5	2.1	2.6	2.4	—
212	Cigars	37.7	38.0	38.1	36.0	—	1.0	1.0	.8	.7	—
22	TEXTILE MILL PRODUCTS	40.1	40.8	40.4	39.4	40.0	3.3	3.8	3.4	3.1	—
221	Weaving mills, cotton	41.2	42.7	41.3	40.7	40.3	4.0	5.2	3.8	3.7	—
222	Weaving mills, synthetics	40.6	41.3	40.9	40.4	40.4	3.6	4.2	3.6	3.2	—
223	Weaving and finishing mills, wool	41.4	42.0	42.6	41.6	(*)	3.6	4.0	3.7	2.8	—
224	Narrow fabric mills	40.1	40.8	40.3	38.5	(*)	3.1	3.2	3.0	2.8	—
225	Knitting mills	38.3	38.3	38.6	37.2	(*)	2.6	2.6	2.7	2.4	—
2251	Women's hosiery, except socks	37.5	36.4	39.2	37.0	—	—	—	—	—	—
2252	Hosiery, nec	37.5	37.8	36.8	35.6	—	—	—	—	—	—
2253	Knit outerwear mills	37.6	37.3	36.9	35.6	—	—	—	—	—	—
2254	Knit underwear mills	37.8	37.8	39.1	36.5	—	—	—	—	—	—
226	Textile finishing, except wool	40.4	41.2	41.4	38.7	40.2	3.6	4.0	3.8	2.8	—
227	Floor covering mills	41.1	41.0	41.9	41.1	—	3.7	3.5	4.4	3.9	—
228	Yarn and thread mills	40.0	41.1	40.2	39.7	40.4	3.3	4.0	3.1	3.2	—
229	Miscellaneous textile goods	41.2	41.6	41.7	40.8	(*)	3.5	3.7	3.8	3.7	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.6	35.8	35.3	33.5	35.3	1.2	1.2	1.1	.9	—
231	Men's and boys' suits and coats	36.1	35.8	36.2	35.0	(*)	1.0	1.0	1.2	.8	—
232	Men's and boys' furnishings	36.4	37.0	35.8	33.4	(*)	1.1	1.2	1.0	.8	—
2321	Men's and boys' shirts and nightwear	36.5	37.1	35.4	33.4	—	1.1	1.2	.9	.7	—
2327	Men's and boys' separate trousers	36.3	37.4	34.9	33.0	—	1.1	1.4	.7	.8	—
2328	Men's and boys' work clothing	36.8	36.9	37.2	33.8	—	1.0	1.1	1.2	.9	—
233	Women's and misses' outerwear	33.3	33.8	32.9	31.8	(*)	1.0	1.2	.9	1.0	—
2331	Women's and misses' blouses and waists	34.0	34.2	33.4	32.6	—	—	—	—	—	—
2335	Women's and misses' dresses	32.2	32.6	31.7	30.0	—	.9	1.1	.8	.8	—
2337	Women's and misses' suits and coats	32.8	33.5	32.2	32.1	—	1.0	1.1	.7	.8	—
2339	Women's and misses' outerwear, nec	34.9	35.6	34.9	33.9	—	1.2	1.3	1.2	1.3	—
234	Women's and children's undergarments	36.0	35.7	35.5	33.8	(*)	1.2	1.0	.8	.7	—
2341	Women's and children's underwear	36.0	35.6	35.2	33.6	—	—	—	—	—	—
2342	Corsets and allied garments	36.0	35.9	36.4	34.7	—	—	—	—	—	—
235	Hats, caps, and millinery	37.2	35.5	36.8	34.3	—	1.3	.7	1.3	1.3	—
236	Children's outerwear	35.8	36.4	35.4	33.0	(*)	1.4	1.5	1.1	.6	—
2361	Children's dresses and blouses	34.9	35.4	33.9	32.7	—	—	—	—	—	—
237.8	Fur goods and miscellaneous apparel	36.1	35.2	36.5	34.8	—	1.1	.7	1.0	.7	—
239	Miscellaneous fabricated textile products	37.9	37.7	38.3	36.1	(*)	1.9	1.7	1.9	1.7	—
2391.2	Housefurnishings	37.5	37.4	38.7	35.6	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.4	42.5	43.1	41.9	42.5	4.6	4.7	4.6	4.3	—
261.2.6	Paper and pulp mills	44.4	44.1	45.1	44.4	44.7	6.1	6.1	6.0	5.9	—
263	Paperboard mills	43.9	44.4	44.4	44.2	44.6	6.7	6.6	6.7	6.9	—
264	Miscellaneous converted paper products	41.0	41.1	41.7	40.3	(*)	3.4	3.5	3.5	3.2	—
2643	Bags, except textile bags	41.0	40.8	42.6	41.0	—	—	—	—	—	—
265	Paperboard containers and boxes	41.3	41.5	42.0	40.3	(*)	3.6	3.8	3.5	3.0	—
2651.2	Folding and setup paperboard boxes	41.0	40.9	41.8	39.7	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	41.4	41.9	42.2	41.0	—	4.0	4.3	4.0	3.5	—
2654	Sanitary food containers	41.7	41.6	42.3	39.4	—	—	—	—	—	—

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	NONDURABLE GOODS—Continued										
27	PRINTING AND PUBLISHING	\$213.38	\$205.72	\$224.44	\$218.67	\$222.38	\$5.69	\$5.53	\$5.86	\$5.91	\$5.93
271	Newspapers	216.09	207.40	224.76	215.07	215.07	6.30	6.10	6.44	6.42	6.42
272	Periodicals	220.20	213.57	225.88	228.84	—	5.81	5.65	5.96	6.07	—
273	Books	192.06	179.52	204.75	199.50	—	4.95	4.80	5.21	5.25	—
275	Commercial printing	220.38	212.35	231.47	226.53	(*)	5.68	5.53	5.86	5.93	(*)
2751	Commercial printing, except lithographic	212.85	203.07	222.78	216.41	—	5.50	5.33	5.64	5.71	—
2752	Commercial printing, lithographic	231.60	225.02	245.69	241.92	—	6.00	5.86	6.22	6.30	—
278	Blankbooks and bookbinding	170.33	165.98	180.18	178.94	(*)	4.39	4.30	4.55	4.66	(*)
274,6,7,9	Other publishing and printing ind.	217.70	212.46	234.95	227.74	(*)	5.64	5.49	5.83	5.90	(*)
28	CHEMICALS AND ALLIED PRODUCTS	245.02	234.32	258.49	255.85	258.92	5.89	5.66	6.14	6.18	6.15
281	Industrial chemicals	276.60	258.96	290.28	288.81	288.23	6.57	6.24	6.83	6.86	6.83
2812	Alkalies and chlorine	281.66	263.16	310.95	297.30	—	6.52	6.12	6.91	6.93	—
2818	Industrial organic chemicals, nec.	302.74	283.16	308.42	304.30	—	7.09	6.71	7.24	7.28	—
2819	Industrial inorganic chemicals, nec.	261.43	241.80	281.40	280.98	—	6.33	6.00	6.70	6.69	—
282	Plastics materials and synthetics	239.62	232.55	249.18	246.41	248.77	5.76	5.55	5.99	6.01	5.98
2821	Plastics materials and resins	261.00	249.26	275.18	269.14	—	6.00	5.73	6.24	6.23	—
2823,4	Synthetic fibers	217.76	214.61	221.69	222.95	—	5.39	5.26	5.57	5.63	—
283	Drugs	224.95	218.28	240.24	238.21	(*)	5.50	5.35	5.72	5.81	(*)
2834	Pharmaceutical preparations	219.50	212.98	235.62	231.74	—	5.38	5.22	5.61	5.68	—
284	Soap, cleaners, and toilet goods	229.96	225.09	249.55	241.59	(*)	5.65	5.49	5.97	5.98	(*)
2841	Soap and other detergents	301.60	286.70	334.47	319.40	—	7.13	6.81	7.55	7.48	—
2844	Toilet preparations	186.12	185.03	195.69	186.14	—	4.70	4.58	4.88	4.86	—
285	Paints and allied products	220.86	208.00	228.07	224.31	(*)	5.40	5.20	5.59	5.65	(*)
287	Agricultural chemicals	224.80	216.65	238.82	243.38	(*)	5.24	5.05	5.58	5.66	(*)
2871,2	Fertilizers, complete and mixing only	210.33	201.20	224.80	233.26	—	4.88	4.69	5.24	5.35	—
286,9	Other chemical products	228.25	223.39	243.24	238.94	(*)	5.50	5.37	5.67	5.73	(*)
2892	Explosives	222.07	214.77	235.88	230.31	—	5.39	5.29	5.55	5.59	—
29	PETROLEUM AND COAL PRODUCTS	301.31	290.23	309.10	308.90	315.13	7.14	6.96	7.29	7.39	7.38
291	Petroleum refining	324.73	312.42	332.84	335.16	(*)	7.75	7.51	7.85	7.98	(*)
295,9	Other petroleum and coal products	231.66	217.66	237.86	226.73	(*)	5.40	5.17	5.61	5.53	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC	188.03	182.70	209.92	207.97	212.77	4.62	4.50	5.01	5.06	5.03
301	Tires and inner tubes	283.02	253.27	338.91	338.18	(*)	6.36	5.89	7.15	7.18	(*)
302,3,6	Other rubber products	187.46	179.29	202.11	199.17	(*)	4.64	4.46	4.87	4.93	(*)
302	Rubber footwear	127.72	132.00	131.71	127.80	—	3.48	3.52	3.55	3.56	—
307	Miscellaneous plastics products	165.59	161.20	173.72	171.43	(*)	4.15	4.04	4.30	4.34	(*)
31	LEATHER AND LEATHER PRODUCTS	128.31	128.40	129.90	127.45	132.43	3.44	3.37	3.53	3.57	3.56
311	Leather tanning and finishing	179.33	179.82	181.57	178.86	(*)	4.54	4.44	4.62	4.78	(*)
314	Footwear, except rubber	122.02	123.65	122.67	120.71	(*)	3.28	3.22	3.37	3.41	(*)
312,3,5,7,9	Other leather products	126.91	122.98	129.89	127.09	(*)	3.43	3.36	3.52	3.56	(*)
316	Luggage	128.87	121.06	133.16	130.26	—	3.56	3.41	3.73	3.69	—
317	Handbags and personal leather goods	122.02	119.93	121.15	122.11	—	3.28	3.25	3.31	3.43	—
	TRANSPORTATION AND PUBLIC UTILITIES	257.75	244.84	269.33	264.67	267.87	6.46	6.23	6.65	6.65	6.68
4011	RAILROAD TRANSPORTATION: Class I railroads ²	299.97	279.65	314.35	(*)	—	6.88	6.58	6.97	(*)	—
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	216.26	194.56	226.46	219.96	—	5.42	5.12	5.69	5.64	—
413	Intercity highway transportation	261.90	246.00	254.25	252.40	—	6.75	6.56	6.78	7.13	—
42	TRUCKING AND WAREHOUSING	260.42	246.98	271.92	256.11	—	6.43	6.19	6.50	6.55	—
421,3	Trucking and trucking terminals	266.74	253.60	278.78	261.97	—	6.57	6.34	6.75	6.70	—
422	Public warehousing	185.18	172.66	195.62	184.02	—	4.70	4.45	4.83	4.83	—
46	PIPE LINE TRANSPORTATION	310.75	309.86	324.73	348.39	—	7.47	7.36	7.75	8.14	—
48	COMMUNICATION	247.26	232.41	263.07	261.22	—	6.34	6.10	6.66	6.63	—
481	Telephone communication	251.29	234.36	267.81	265.16	—	6.46	6.20	6.78	6.73	—
4817	Switchboard operating employees ³	184.55	172.59	194.45	192.23	—	5.46	5.23	5.77	5.79	—
4818	Line construction employees ⁴	319.40	294.53	343.37	338.34	—	7.48	7.08	7.93	7.85	—
482	Telegraph communication ⁵	(*)	251.74	(*)	(*)	—	(*)	6.17	(*)	(*)	—
483	Radio and television broadcasting	232.85	224.62	243.32	246.09	—	5.91	5.73	6.16	6.23	—

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	37.5	37.2	38.3	37.0	37.5	2.5	2.2	2.9	2.3	
271	Newspapers	34.3	34.0	34.9	33.5	33.5	1.6	1.2	1.9	1.2	
272	Periodicals	37.9	37.8	37.9	37.7	—	2.3	2.0	2.3	1.9	
273	Books	38.8	37.4	39.3	38.0	—	2.7	1.9	3.3	2.8	
275	Commercial printing	38.8	38.4	39.5	38.2	(*)	3.0	2.7	3.3	2.8	
2751	Commercial printing, except lithographic	38.7	38.1	39.5	37.9	—	3.0	2.7	3.1	2.6	
2752	Commercial printing, lithographic	38.6	38.4	39.5	38.4	—	3.0	2.8	3.5	3.0	
278	Blankbooks and bookbinding	38.8	38.6	39.6	38.4	(*)	2.2	1.9	2.4	2.4	
274,6,7,9	Other publishing and printing ind.	38.6	38.7	40.3	38.6	(*)	2.6	2.4	3.7	2.8	
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.4	42.1	41.4	42.1	3.2	3.0	3.3	3.3	—
281	Industrial chemicals	42.1	41.5	42.5	42.1	42.2	3.7	3.0	3.7	3.7	—
2812	Alkalies and chlorine	43.2	43.0	45.0	42.9	—	—	—	—	—	—
2818	Industrial organic chemicals, nec.	42.7	42.2	42.6	41.8	—	3.8	3.2	3.7	3.8	—
2819	Industrial inorganic chemicals, nec.	41.3	40.3	42.0	42.0	—	3.4	2.4	4.1	3.5	—
282	Plastics materials and synthetics	41.6	41.9	41.6	41.0	41.6	2.9	3.0	2.7	2.7	—
2821	Plastics materials and resins	43.5	43.5	44.1	43.2	—	4.6	4.4	4.3	4.4	—
2823,4	Synthetic fibers	40.4	40.8	39.8	39.6	—	1.7	2.0	1.4	1.5	—
283	Drugs	40.9	40.8	42.0	41.0	(*)	2.7	2.5	3.1	2.7	—
2834	Pharmaceutical preparations	40.8	40.8	42.0	40.8	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.7	41.0	41.8	40.4	(*)	2.9	3.0	3.2	2.7	—
2841	Soap and other detergents	42.3	42.1	44.3	42.7	—	—	—	—	—	—
2844	Toilet preparations	39.6	40.4	40.1	38.3	—	—	—	—	—	—
285	Paints and allied products	40.9	40.0	40.8	39.7	(*)	3.0	2.2	2.4	2.4	—
287	Agricultural chemicals	42.9	42.9	42.8	43.0	(*)	4.8	4.5	4.8	6.1	—
2871,2	Fertilizers, complete and mixing only	43.1	42.9	42.9	43.6	—	—	—	—	—	—
286,9	Other chemical products	41.5	41.6	42.9	41.7	(*)	3.1	3.2	3.7	3.4	—
2892	Explosives	41.2	40.6	42.5	41.2	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	42.2	41.7	42.4	41.8	42.7	3.4	3.0	3.4	3.2	—
291	Petroleum refining	41.9	41.6	42.4	42.0	(*)	2.8	2.6	3.1	3.1	—
295,9	Other petroleum and coal products	42.9	42.1	42.4	41.0	(*)	5.1	4.4	4.2	3.7	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	40.7	40.6	41.9	41.1	42.3	3.4	3.2	4.0	4.0	—
301	Tires and inner tubes	44.5	43.0	47.4	47.1	(*)	6.1	4.7	7.9	8.2	—
302,3,6	Other rubber products	40.4	40.2	41.5	40.4	(*)	3.1	2.7	3.5	3.4	—
302	Rubber footwear	36.7	37.5	37.1	35.9	—	.9	.7	1.2	1.5	—
307	Miscellaneous plastics products	39.9	39.9	40.4	39.5	(*)	3.0	2.9	3.0	2.9	—
31	LEATHER AND LEATHER PRODUCTS	37.3	38.1	36.8	35.7	37.2	1.8	2.2	1.6	1.4	—
311	Leather tanning and finishing	39.5	40.5	39.3	38.3	(*)	3.1	4.0	2.8	2.7	—
314	Footwear, except rubber	37.2	38.4	36.4	35.4	(*)	1.7	2.2	1.4	1.2	—
312,3,5-7,9	Other leather products	37.0	36.6	36.9	35.7	(*)	1.7	1.6	1.6	1.4	—
316	Luggage	36.2	35.5	35.7	35.3	—	1.6	1.0	1.5	1.6	—
317	Handbags and personal leather goods	37.2	36.9	36.6	35.6	—	2.0	2.0	1.7	1.2	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	43.6	42.5	45.1	(*)	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	39.9	38.0	39.8	39.0	—	—	—	—	—	—
413	Intercity highway transportation	38.8	37.5	37.5	35.4	—	—	—	—	—	—
TRUCKING AND WAREHOUSING											
42	Trucking and trucking terminals	40.5	39.9	41.2	39.1	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.6	40.0	41.3	39.1	—	—	—	—	—	—
422	Public warehousing	39.4	38.8	40.5	38.1	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.6	42.1	41.9	42.8	—	—	—	—	—	—
COMMUNICATION											
48	Telephone communication	39.0	38.1	39.5	39.4	—	—	—	—	—	—
481	Telephone communication	38.9	37.8	39.5	39.4	—	—	—	—	—	—
4817	Switchboard operating employees ³	33.8	33.0	33.7	33.2	—	—	—	—	—	—
4818	Line construction employees ⁴	42.7	41.6	43.3	43.1	—	—	—	—	—	—
482	Telegraph communication ⁵	(*)	40.8	(*)	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	39.4	39.2	39.5	39.5	—	—	—	—	—	—

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$271.58	\$259.78	\$283.98	\$287.70	-	\$6.56	\$6.29	\$6.81	\$6.85	-
491	Electric companies and systems	273.90	264.36	287.31	291.33	-	6.60	6.37	6.89	6.92	-
492	Gas companies and systems	246.85	237.97	259.26	265.33	-	6.08	5.79	6.37	6.44	-
493	Combination companies and systems	306.71	285.36	317.58	318.85	-	7.32	6.96	7.49	7.52	-
494-7	Water, steam, and sanitary systems	220.90	218.50	230.60	234.08	-	5.31	5.19	5.53	5.60	-
-	WHOLESALE AND RETAIL TRADE	133.39	129.93	137.97	136.86	\$138.36	3.97	3.89	4.07	4.16	\$4.18
50	WHOLESALE TRADE	200.98	195.44	208.26	206.98	206.75	5.18	5.05	5.34	5.39	5.37
501	Motor vehicles and automotive equipment	181.96	175.89	186.68	182.78	-	4.63	4.51	4.75	4.76	-
502	Drugs, chemicals, and allied products	206.80	201.02	216.22	219.84	-	5.50	5.29	5.69	5.74	-
503	Dry goods and apparel	171.08	164.08	175.28	178.45	-	4.70	4.52	4.75	4.81	-
504	Groceries and related products	195.44	189.14	204.23	201.98	-	5.05	4.90	5.21	5.26	-
506	Electrical goods	220.65	215.86	230.68	228.31	-	5.53	5.41	5.71	5.78	-
507	Hardware, plumbing and heating equipment	191.07	186.34	194.43	197.49	-	4.95	4.84	5.05	5.09	-
508	Machinery, equipment, and supplies	220.34	214.88	228.45	228.13	-	5.55	5.44	5.74	5.79	-
509	Miscellaneous wholesalers	198.26	194.06	207.13	203.25	-	5.19	5.08	5.38	5.42	-
52-59	RETAIL TRADE	113.96	110.35	118.63	116.81	118.50	3.55	3.47	3.65	3.72	3.75
53	Retail general merchandise	106.33	102.85	110.10	(*)	-	3.43	3.35	3.43	(*)	-
531	Department stores	108.32	104.84	111.94	(*)	-	3.54	3.46	3.52	(*)	-
532	Mail order houses	142.38	136.45	146.23	147.94	-	4.20	4.11	4.19	4.39	-
533	Variety stores	85.48	80.28	92.41	85.80	-	2.84	2.74	2.87	2.86	-
54	Food stores	140.94	133.72	146.17	145.73	-	4.31	4.14	4.47	4.54	-
541-3	Grocery, meat, and vegetable stores	145.53	137.57	150.68	150.48	-	4.41	4.22	4.58	4.63	-
56	Apparel and accessory stores	97.24	92.61	105.58	98.45	-	3.22	3.15	3.32	3.36	-
661	Men's and boys' clothing and furnishings	122.36	118.30	131.24	126.68	-	3.80	3.72	3.86	3.91	-
562	Women's ready-to-wear stores	85.85	82.65	91.49	85.10	-	2.93	2.90	2.99	3.05	-
565	Family clothing stores	95.17	88.49	106.57	99.10	-	3.09	3.02	3.21	3.26	-
566	Shoe stores	98.49	91.49	107.57	98.77	-	3.35	3.21	3.55	3.49	-
57	Furniture and home furnishings stores	151.01	147.96	158.47	150.94	-	4.16	4.11	4.26	4.24	-
571	Furniture and home furnishings	154.70	150.95	162.56	153.79	-	4.25	4.17	4.37	4.32	-
58	Eating and drinking places ⁶	73.92	70.91	77.83	76.93	-	2.64	2.56	2.82	2.86	-
52,55,59	Other retail trade	142.72	139.03	146.49	144.72	-	3.91	3.83	3.97	4.02	-
52	Building materials and farm equipment	159.59	150.93	164.74	160.44	-	4.03	3.91	4.16	4.20	-
551,2	Motor vehicle dealers	190.87	182.49	193.03	188.64	-	4.82	4.62	4.85	4.80	-
553,9	Other automotive and accessory dealers	160.79	154.83	167.60	166.69	-	4.05	3.90	4.19	4.22	-
591	Drug stores and proprietary stores	105.71	103.46	108.99	106.05	-	3.41	3.37	3.46	3.50	-
594	Book and stationery stores	120.60	117.12	124.12	121.60	-	3.60	3.56	3.64	3.73	-
598	Fuel and ice dealers	183.77	199.33	200.16	215.44	-	4.56	4.69	4.80	4.93	-
	FINANCE, INSURANCE, AND REAL ESTATE⁷	159.58	155.49	162.58	166.05	164.42	4.36	4.26	4.43	4.50	4.48
60	Banking	134.69	132.13	136.14	139.46	-	3.69	3.62	3.74	3.80	-
61	Credit agencies other than banks	144.35	142.12	146.23	151.93	-	3.87	3.80	3.91	4.03	-
612	Savings and loan associations	140.21	139.88	140.21	147.77	-	3.81	3.75	3.81	3.93	-
62	Security, commodity brokers and services	287.23	252.55	285.70	(*)	-	7.48	7.02	7.44	(*)	-
63	Insurance carriers	170.17	166.80	174.00	176.63	-	4.55	4.46	4.64	4.71	-
631	Life insurance	166.95	165.61	170.38	172.61	-	4.50	4.44	4.58	4.64	-
632	Accident and health insurance	163.83	160.55	171.00	174.60	-	4.30	4.17	4.43	4.50	-
633	Fire, marine, and casualty insurance	173.54	169.72	176.53	180.38	-	4.64	4.55	4.72	4.81	-

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES										
	Electric companies and systems	41.4	41.3	41.7	42.0	—	—	—	—	—	—
491	Gas companies and systems	41.5	41.5	41.7	42.1	—	—	—	—	—	—
492	Combination companies and systems	40.6	41.1	40.7	41.2	—	—	—	—	—	—
493	Water, steam, and sanitary systems	41.9	41.0	42.4	42.4	—	—	—	—	—	—
494.7		41.6	42.1	41.7	41.8	—	—	—	—	—	—
	WHOLESALE AND RETAIL TRADE	33.6	33.4	33.9	32.9	33.1					
50	WHOLESALE TRADE	38.8	38.7	39.0	38.4	38.5	—	—	—	—	—
501	Motor vehicles and automotive equipment	39.3	39.0	39.3	38.4	—	—	—	—	—	—
502	Drugs, chemicals, and allied products	37.6	38.0	38.0	38.3	—	—	—	—	—	—
503	Dry goods and apparel	36.4	36.3	36.9	37.1	—	—	—	—	—	—
504	Groceries and related products	38.7	38.6	39.2	38.4	—	—	—	—	—	—
506	Electrical goods	39.9	39.9	40.4	39.5	—	—	—	—	—	—
507	Hardware; plumbing and heating equipment	38.6	38.5	38.5	38.8	—	—	—	—	—	—
508	Machinery, equipment, and supplies	39.7	39.5	39.8	39.4	—	—	—	—	—	—
509	Miscellaneous wholesalers	38.2	38.2	38.5	37.5	—	—	—	—	—	—
52-59	RETAIL TRADE	32.1	31.8	32.5	31.4	31.6	—	—	—	—	—
53	Retail general merchandise	31.0	30.7	32.1	(*)	—	—	—	—	—	—
531	Department stores	30.6	30.3	31.8	(*)	—	—	—	—	—	—
532	Mail order houses	33.9	33.2	34.9	33.7	—	—	—	—	—	—
533	Variety stores	30.1	29.3	32.2	30.0	—	—	—	—	—	—
54	Food stores	32.7	32.3	32.7	32.1	—	—	—	—	—	—
541-3	Grocery, meat, and vegetable stores	33.0	32.6	32.9	32.5	—	—	—	—	—	—
56	Apparel and accessory stores	30.2	29.4	31.8	29.3	—	—	—	—	—	—
561	Men's and boys' clothing and furnishings	32.2	31.8	34.0	32.4	—	—	—	—	—	—
562	Women's ready-to-wear stores	29.3	28.5	30.6	27.9	—	—	—	—	—	—
565	Family clothing stores	30.8	29.3	33.2	30.4	—	—	—	—	—	—
566	Shoe stores	29.4	28.5	30.3	28.3	—	—	—	—	—	—
57	Furniture and home furnishings stores	36.3	36.0	37.2	35.6	—	—	—	—	—	—
571	Furniture and home furnishings	36.4	36.2	37.2	35.6	—	—	—	—	—	—
58	Eating and drinking places ⁶	28.0	27.7	27.6	26.9	—	—	—	—	—	—
52,55,59	Other retail trade	36.5	36.3	36.9	36.0	—	—	—	—	—	—
52	Building materials and farm equipment	39.6	38.6	39.6	38.2	—	—	—	—	—	—
551,2	Motor vehicle dealers	39.6	39.5	39.8	39.3	—	—	—	—	—	—
553,9	Other automotive and accessory dealers	39.7	39.7	40.0	39.5	—	—	—	—	—	—
591	Drug stores and proprietary stores	31.0	30.7	31.5	30.3	—	—	—	—	—	—
594	Book and stationery stores	33.5	32.9	34.1	32.6	—	—	—	—	—	—
598	Fuel and ice dealers	40.3	42.5	41.7	43.7	—	—	—	—	—	—
	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.6	36.5	36.7	36.9	36.7					
60	Banking	36.5	36.5	36.4	36.7	—	—	—	—	—	—
61	Credit agencies other than banks	37.3	37.4	37.4	37.7	—	—	—	—	—	—
612	Savings and loan associations	36.8	37.3	36.8	37.6	—	—	—	—	—	—
62	Security, commodity brokers and services	38.4	37.4	38.4	(*)	—	—	—	—	—	—
63	Insurance carriers	37.4	37.4	37.5	37.5	—	—	—	—	—	—
631	Life insurance	37.1	37.3	37.2	37.2	—	—	—	—	—	—
632	Accident and health insurance	38.1	38.5	38.6	38.8	—	—	—	—	—	—
633	Fire, marine, and casualty insurance	37.4	37.3	38.4	37.5	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	SERVICES	\$146.06	\$142.71	\$150.97	\$152.51	\$153.77	\$4.36	\$4.26	\$4.52	\$4.58	\$4.59
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	96.35	92.98	97.92	(*)	—	3.03	2.98	3.20	(*)	—
	Personal services:										
721	Laundries and dry cleaning plants	114.10	109.37	118.29	116.96	—	3.26	3.17	3.37	3.41	—
722	Photographic studios	117.98	114.89	122.36	118.03	—	3.47	3.33	3.62	3.70	—
	Motion pictures:										
781	Motion picture filming and distributing ...	270.50	264.52	267.92	(*)	—	6.63	6.58	6.80	(*)	—
806	Hospitals	143.37	138.38	148.34	151.06	—	4.18	4.07	4.35	4.43	—

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

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 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 1975, such employees made up 30 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 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice sales agents excluded from all series in this division.

* Not available.

** 11-month average.

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**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	SERVICES	33.5	33.5	33.4	33.3	33.5
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	31.8	31.2	30.6	(*)	.	.	.	.	.
	Personal services:										
721	Laundries and dry cleaning plants	35.0	34.5	35.1	34.3	—	—	—	—	—	
722	Photographic studios	34.0	34.5	33.8	31.9	—	—	—	—	—	
	Motion pictures:										
781	Motion picture filming and distributing ...	40.8	40.2	39.4	(*)	—	—	—	—	—	
806	Hospitals	34.3	34.0	34.1	34.1	—	—	—	—	—	

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**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	1975					1976							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Executive Branch													
Total employment	2,726.4	2,697.5	2,693.7	2,693.8	2,722.6	2,675.6	2,677.6	2,675.4	2,681.2	2,686.0	2,707.8	2,724.1	2,704.2
Average weekly hours	39.3	39.4	39.4	39.2	40.2	39.3	39.3	39.1	39.2	39.2	39.3	39.6	39.4
Average overtime hours	1.0	1.1	1.0	.9	1.8	1.0	.9	.9	.8	.9	.9	1.0	1.0
Indexes (1967=100):													
Average weekly earnings	181.4	186.5	193.5	192.8	201.3	195.2	185.2	193.9	195.5	196.6	195.7	196.1	196.5
Average hourly earnings	181.9	186.5	193.5	193.8	197.3	195.7	195.7	195.4	196.5	197.6	196.2	195.1	196.5
Department of Defense													
Total employment	961.2	949.6	949.0	947.5	945.6	941.1	937.1	934.1	930.7	930.2	936.7	938.5	929.3
Average weekly hours	39.9	39.7	39.8	40.0	39.9	39.9	39.9	39.6	39.8	39.8	40.0	40.1	40.0
Average overtime hours . . . . .	.7	.7	.7	.7	.6	.6	.6	.5	.5	.6	.7	.6	.7
Indexes (1967=100):													
Average weekly earnings	176.4	179.6	186.8	188.8	189.9	189.7	190.2	189.0	191.1	(*)	191.2	188.2	191.5
Average hourly earnings	178.2	182.3	189.1	190.2	191.8	191.6	192.1	192.4	193.5	(*)	192.6	189.1	192.9
Postal service													
Total employment	694.3	691.2	688.7	690.9	724.0	677.9	677.0	672.3	670.3	670.6	672.8	670.7	667.8
Average weekly hours	39.2	39.8	40.1	39.0	43.1	39.9	39.5	39.4	39.2	39.3	39.0	39.7	39.4
Average overtime hours	1.0	1.4	1.4	1.1	4.6	1.6	1.2	1.1	1.0	1.1	.9	1.0	1.1
Indexes (1967=100):													
Average weekly earnings	205.0	214.7	217.6	213.8	246.1	221.5	218.4	217.5	219.8	223.2	220.9	224.5	223.8
Average hourly earnings	201.8	208.2	209.5	211.6	220.4	214.3	213.4	213.1	216.5	219.2	218.6	218.3	219.2
Other agencies													
Total employment	1,070.9	1,056.7	1,056.0	1,055.4	1,053.0	1,056.6	1,063.5	1,069.0	1,080.2	1,085.2	1,098.3	1,114.9	1,107.1
Average weekly hours	(*)	38.8	38.7	38.6	38.6	38.5	38.6	38.6	38.7	38.7	38.9	39.1	38.9
Average overtime hours	1.2	1.2	1.1	1.1	.9	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.1
Indexes (1967=100):													
Average weekly earnings	(*)	177.2	(*)	184.7	(*)	186.4	(*)	185.9	185.7	186.2	185.4	187.3	185.6
Average hourly earnings	172.8	177.2	(*)	185.6	(*)	187.9	(*)	186.9	186.1	186.6	184.9	185.9	185.1

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of 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 supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

* Not available.

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Avg. 1976	Jan. 1976	Dec. 1976	Jan. 1977 ^p	Feb. 1977 ^p
MANUFACTURING	\$5.00	\$4.85	\$5.21	\$5.25	\$5.23
DURABLE GOODS	5.34	5.20	5.55	5.58	5.57
Ordnance and accessories	5.55	5.29	5.84	5.85	-
Lumber and wood products	4.51	4.29	4.67	4.75	-
Furniture and fixtures	3.87	3.76	4.02	4.06	-
Stone, clay, and glass products	5.04	4.85	5.22	5.26	-
Primary metal industries	6.53	6.30	6.73	6.71	-
Fabricated metal products	5.22	5.11	5.39	5.42	-
Machinery, except electrical	5.55	5.42	5.73	5.74	-
Electrical equipment and supplies	4.77	4.66	4.98	5.01	-
Transportation equipment	6.23	6.11	6.57	6.60	-
Instruments and related products	4.73	4.63	4.92	4.95	-
Miscellaneous manufacturing industries	3.91	3.87	4.08	4.16	-
NONDURABLE GOODS	4.51	4.37	4.71	4.77	4.74
Food and kindred products	4.73	4.59	4.92	4.99	-
Tobacco manufactures	4.81	4.74	4.90	5.06	-
Textile mill products	3.52	3.41	3.67	3.68	-
Apparel and other textile products	3.36	3.27	3.47	3.50	-
Paper and allied products	5.15	4.97	5.38	5.41	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.66	5.46	5.91	5.94	-
Petroleum and coal products	6.86	6.71	7.01	7.11	-
Rubber and plastics products, nec	4.44	4.34	4.78	4.82	-
Leather and leather products	3.36	3.28	3.45	3.50	-

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

^p = preliminary.

² Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

**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					
				Worker with no dependents			Married worker with 3 dependents		
	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P
TOTAL PRIVATE:									
Current dollars	\$176.29	\$182.73	\$179.28	\$143.90	\$148.55	\$146.06	\$156.50	\$161.34	\$158.75
1967 dollars	103.40	104.84	102.27	84.40	85.23	83.32	91.79	92.56	90.56
MINING:									
Current dollars	274.78	293.23	282.15	215.48	228.41	220.74	231.39	245.35	236.96
1967 dollars	161.16	168.23	160.95	126.38	131.04	125.92	135.71	140.76	135.17
CONTRACT CONSTRUCTION:									
Current dollars	284.93	289.98	268.59	222.73	226.27	211.05	239.07	242.89	226.60
1967 dollars	167.11	166.37	153.22	130.63	129.82	120.39	140.22	139.35	129.26
MANUFACTURING:									
Current dollars	207.60	220.05	213.64	166.55	175.86	171.07	180.03	189.39	184.57
1967 dollars	121.76	126.25	121.87	97.68	100.90	97.59	105.59	108.66	105.29
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	257.75	269.33	264.67	203.30	211.58	208.25	218.22	227.18	223.57
1967 dollars	151.17	154.52	150.98	119.24	121.39	118.80	127.99	130.34	127.54
WHOLESALE AND RETAIL TRADE:									
Current dollars	133.39	137.97	136.86	112.08	115.52	114.69	125.22	128.37	127.61
1967 dollars	78.23	79.16	78.07	65.74	66.28	65.42	73.44	73.65	72.80
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	159.58	162.58	166.05	131.76	134.01	136.52	143.64	145.95	148.63
1967 dollars	93.60	93.28	94.72	77.28	76.88	77.88	84.25	83.73	84.79
SERVICES:									
Current dollars	146.06	150.97	152.51	121.60	125.29	126.45	133.88	137.23	138.28
1967 dollars	85.67	86.62	87.00	71.32	71.88	72.13	78.52	78.73	78.88
CONSUMER PRICE INDEX (All items, 1967 = 100)	170.5	174.3	175.3	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

p = preliminary (applicable to earnings data only).

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	Avg. 1976	Feb. 1976	Dec. 1976	Jan. 1977 P	Feb. 1977 P
	Hours				
TOTAL	111.9	107.5	114.9	109.2	110.9
GOODS-PRODUCING	96.3	91.8	97.8	91.1	94.3
MINING	127.0	121.4	133.6	127.4	133.7
CONTRACT CONSTRUCTION	103.6	87.7	100.9	80.1	88.5
MANUFACTURING	94.0	91.4	96.0	91.8	94.0
DURABLE GOODS	92.7	89.5	95.7	91.5	93.4
Ordnance and accessories	40.0	41.1	40.5	39.5	39.7
Lumber and wood products	97.8	91.8	99.9	94.1	99.8
Furniture and fixtures	102.7	100.4	105.9	97.0	97.3
Stone, clay, and glass products	98.8	91.7	98.3	90.8	91.9
Primary metal industries	87.0	83.8	85.9	84.6	84.9
Fabricated metal products	97.4	93.9	100.4	95.8	96.7
Machinery, except electrical	94.6	93.5	99.7	96.6	98.8
Electrical equipment and supplies	91.2	88.1	95.9	92.2	96.6
Transportation equipment	90.0	86.5	94.8	89.7	89.6
Instruments and related products	107.8	104.0	112.9	108.0	112.6
Miscellaneous manufacturing	93.3	89.5	91.8	86.1	91.8
NONDURABLE GOODS	95.8	94.2	96.4	92.3	94.9
Food and kindred products	96.5	89.8	95.5	90.0	89.3
Tobacco manufactures	84.1	83.3	89.4	76.0	75.9
Textile mill products	97.3	98.2	97.5	94.5	96.4
Apparel and other textile products	89.2	90.9	86.0	80.6	86.9
Paper and allied products	96.5	93.5	98.9	95.7	96.8
Printing and publishing	93.1	91.4	96.4	91.7	92.8
Chemicals and allied products	99.6	97.8	100.9	99.3	102.2
Petroleum and coal products	113.3	107.5	113.4	110.1	114.2
Rubber and plastics products, nec	117.5	117.6	129.4	126.7	132.5
Leather and leather products	75.3	77.8	71.0	68.6	72.3
SERVICE-PRODUCING	122.1	118.5	126.8	121.8	122.4
TRANSPORTATION AND PUBLIC UTILITIES	102.4	100.1	104.8	101.6	102.6
WHOLESALE AND RETAIL TRADE	118.9	113.7	126.0	116.8	116.7
WHOLESALE TRADE	114.3	111.4	116.7	113.5	114.3
RETAIL TRADE	120.6	114.5	129.5	118.0	117.5
FINANCE, INSURANCE, AND REAL ESTATE	126.9	124.0	129.2	129.5	129.8
SERVICES	135.8	131.9	137.3	135.5	137.3

¹For 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 workers¹
on private nonagricultural payrolls, by industry division and major manufacturing group**

[1967 = 100]

Industry division and group	Avg. 1976	Feb. 1976	Dec. 1976	Jan. 1977 ^P	Feb. 1977 ^P
	Payrolls				
TOTAL	203.4	190.4	215.3	206.1	209.8
GOODS-PRODUCING	179.1	164.5	188.8	175.4	181.2
MINING	255.9	239.4	281.1	269.8	281.5
CONTRACT CONSTRUCTION	193.4	159.3	193.4	155.1	169.4
MANUFACTURING	172.4	162.9	184.0	176.9	180.3
DURABLE GOODS	171.3	160.8	184.4	176.7	179.8
Ordnance and accessories	72.0	71.5	76.9	75.1	75.3
Lumber and wood products	194.9	173.9	206.0	196.7	205.0
Furniture and fixtures	175.6	167.1	188.0	172.9	174.3
Stone, clay, and glass products	185.5	165.0	190.6	176.7	181.3
Primary metal industries	177.0	164.6	179.9	176.6	177.2
Fabricated metal products	177.5	167.2	189.5	181.2	182.0
Machinery, except electrical	170.7	165.1	187.4	181.2	186.2
Electrical equipment and supplies	161.5	151.9	178.1	171.8	179.1
Transportation equipment	171.2	160.6	191.3	181.4	179.9
Instruments and related products	184.2	174.0	201.6	192.8	201.5
Miscellaneous manufacturing	159.5	150.3	163.4	156.1	165.9
NONDURABLE GOODS	174.4	166.5	183.5	177.3	181.1
Food and kindred products	181.3	164.5	186.8	177.7	175.6
Tobacco manufactures	181.8	179.3	198.5	173.8	179.0
Textile mill products	173.5	170.2	181.4	176.0	179.7
Apparel and other textile products	150.1	149.3	149.2	141.1	151.1
Paper and allied products	182.3	170.9	195.0	189.6	190.7
Printing and publishing	161.6	155.6	172.3	165.4	168.0
Chemicals and allied products	188.8	179.4	199.5	197.7	202.5
Petroleum and coal products	226.1	211.3	231.0	227.4	235.6
Rubber and plastics products, nec	197.9	193.8	236.1	233.4	242.9
Leather and leather products	125.2	127.8	121.2	118.4	124.6
SERVICE-PRODUCING	223.6	212.7	238.2	232.5	234.4
TRANSPORTATION AND PUBLIC UTILITIES	204.7	194.7	215.4	209.0	211.9
WHOLESALE AND RETAIL TRADE	210.5	197.4	228.7	216.6	217.1
WHOLESALE TRADE	205.8	196.4	216.6	212.7	213.3
RETAIL TRADE	213.0	197.8	235.1	218.6	219.1
FINANCE, INSURANCE, AND REAL ESTATE	214.3	208.0	221.6	225.8	225.0
SERVICES	258.7	247.2	271.2	271.1	275.2

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

p = preliminary.

**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	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
TOTAL PRIVATE	36.4	36.2	36.1	36.3	36.1	36.1	36.1	36.0	36.1	36.2	36.2	35.9	36.4	
MINING	43.0	42.8	42.8	42.4	42.2	42.6	41.2	43.5	43.3	43.3	43.7	42.3	43.4	
CONTRACT CONSTRUCTION	37.7	36.0	37.4	37.1	37.3	36.9	36.8	35.9	37.3	37.4	37.3	35.2	37.8	
MANUFACTURING	40.3	40.3	39.4	40.3	40.2	40.1	40.0	39.7	39.9	40.1	40.0	39.6	40.4	
<i>Overtime hours</i>	3.1	3.1	2.6	3.3	3.2	3.1	3.0	3.0	2.9	3.1	3.2	3.2	3.3	
DURABLE GOODS	40.7	40.7	39.8	40.9	40.9	40.9	40.8	40.2	40.5	40.8	40.5	40.1	41.0	
<i>Overtime hours</i>	3.0	3.1	2.5	3.4	3.4	3.3	3.1	3.0	3.0	3.2	3.3	3.4	3.3	
Ordnance and accessories	40.8	40.8	39.7	40.8	41.1	40.9	40.7	40.1	40.6	40.6	41.0	40.5	40.6	
Lumber and wood products	40.3	40.0	40.0	40.1	39.8	40.6	40.2	39.8	40.3	40.3	40.3	39.8	40.9	
Furniture and fixtures	39.3	39.2	38.4	39.0	38.6	38.6	38.5	38.0	38.4	38.6	38.6	37.1	37.3	
Stone, clay, and glass products	41.4	40.8	41.1	41.4	41.4	41.0	41.1	40.9	41.4	41.2	41.2	40.1	41.4	
Primary metal industries	40.6	40.6	40.6	41.0	41.2	41.2	40.9	40.3	40.2	40.3	40.1	40.1	40.8	
Fabricated metal products	40.9	40.9	39.6	41.0	41.0	41.0	41.0	40.6	40.4	40.8	40.5	40.1	40.6	
Machinery, except electrical	41.1	41.1	40.2	41.2	41.2	41.5	41.4	40.8	41.2	41.5	41.2	40.8	41.4	
Electrical equipment and supplies	40.2	40.1	39.1	40.2	40.1	40.1	40.1	39.7	40.0	40.3	40.2	39.9	41.5	
Transportation equipment	41.8	42.2	39.8	42.4	42.5	42.0	41.9	41.1	41.2	42.0	41.1	41.3	41.8	
Instruments and related products	40.2	40.5	39.6	40.8	40.5	40.8	40.4	39.9	40.3	40.4	40.7	40.0	41.4	
Miscellaneous manufacturing, Ind.	38.7	38.8	38.0	38.7	38.5	38.8	38.5	38.2	38.7	39.0	38.9	38.3	39.5	
NONDURABLE GOODS	39.7	39.6	38.9	39.5	39.3	39.1	38.9	39.0	39.1	39.2	39.3	38.8	39.7	
<i>Overtime hours</i>	3.2	3.2	2.8	3.1	2.9	2.9	2.8	2.9	2.8	3.0	3.1	3.0	3.2	
Food and kindred products	40.4	40.3	40.1	40.2	40.1	40.0	40.1	40.2	40.3	40.4	40.1	39.6	40.1	
Tobacco manufactures	39.2	39.0	38.6	38.6	38.3	35.0	36.8	37.1	37.5	36.9	37.5	35.8	39.1	
Textile mill products	40.9	40.9	39.3	40.6	40.3	40.2	39.3	39.0	39.4	39.8	40.1	39.8	40.3	
Apparel and other textile products	36.4	36.3	34.9	36.0	35.8	35.5	35.2	34.9	35.0	35.1	35.3	34.2	35.7	
Paper and allied products	42.8	42.6	42.1	42.8	42.4	42.3	42.1	42.2	42.1	42.4	42.6	42.0	43.1	
Printing and publishing	37.5	37.4	37.2	37.6	37.5	37.7	37.5	37.4	37.5	37.6	37.7	37.4	37.9	
Chemicals and allied products	41.7	41.6	41.7	41.6	41.5	41.4	41.3	41.9	41.6	41.7	41.7	41.6	42.3	
Petroleum and coal products	42.3	42.2	42.2	42.2	42.0	42.2	42.3	42.2	42.0	41.9	42.5	42.5	43.4	
Rubber and plastics products, nec	40.7	40.8	39.6	40.7	40.3	40.3	40.0	40.5	41.1	41.2	41.5	41.3	42.4	
Leather and leather products	38.4	38.3	37.7	38.2	37.0	37.0	36.7	36.5	36.4	36.4	36.5	36.3	37.4	
TRANSPORTATION AND PUBLIC UTILITIES	39.8	39.9	39.8	39.7	39.8	39.8	40.0	39.9	39.8	40.2	40.5	40.1	40.4	
WHOLESALE AND RETAIL TRADE	33.8	33.6	33.9	33.7	33.5	33.6	33.6	33.6	33.5	33.4	33.6	33.4	33.6	
WHOLESALE TRADE	38.8	38.7	38.9	38.8	38.8	39.1	38.9	38.8	38.7	38.7	38.6	38.6	38.8	
RETAIL TRADE	32.3	32.1	32.5	32.2	31.9	32.0	32.0	32.1	32.0	31.9	32.2	31.9	32.1	
FINANCE, INSURANCE, AND REAL ESTATE	36.6	36.5	36.6	36.8	36.6	36.6	36.8	36.7	36.7	36.7	36.7	36.9	36.6	
SERVICES	33.7	33.5	33.5	33.6	33.4	33.4	33.5	33.5	33.6	33.5	33.5	33.5	33.7	

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

p = preliminary.

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

Industry	1976												1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
	Average hourly earnings													
TOTAL PRIVATE	\$4.75	\$4.77	\$4.79	\$4.84	\$4.85	\$4.88	\$4.91	\$4.92	\$4.95	\$5.00	\$5.02	\$5.05	\$5.07	
MINING	6.25	6.29	6.32	6.36	6.33	6.44	6.34	6.60	6.62	6.62	6.67	6.66	6.67	
CONTRACT CONSTRUCTION	7.47	7.58	7.57	7.66	7.68	7.77	7.74	7.71	7.76	7.81	7.82	7.95	7.87	
MANUFACTURING	5.04	5.08	5.08	5.13	5.16	5.21	5.25	5.29	5.29	5.34	5.38	5.42	5.42	
TRANSPORTATION AND PUBLIC UTILITIES	6.29	6.33	6.38	6.44	6.47	6.48	6.52	6.54	6.58	6.62	6.64	6.65	6.68	
WHOLESALE AND RETAIL TRADE	3.87	3.89	3.91	3.94	3.95	3.98	4.00	4.03	4.05	4.08	4.11	4.14	4.16	
FINANCE, INSURANCE, AND REAL ESTATE	4.30	4.30	4.33	4.36	4.34	4.37	4.43	4.39	4.43	4.42	4.43	4.49	4.44	
SERVICES	4.26	4.27	4.30	4.34	4.36	4.35	4.39	4.39	4.43	4.48	4.50	4.56	4.56	
	Average weekly earnings													
TOTAL PRIVATE:														
Current dollars	172.90	172.67	172.92	175.69	175.09	176.17	177.25	177.12	178.70	181.00	181.72	181.30	184.55	
1967 dollars	103.35	102.96	102.68	103.65	102.87	103.02	103.17	102.74	103.29	104.32	104.32	103.25	-	
Real spendable earnings (worker and 3 dependents, 1967 dollars)	92.00	91.67	91.41	92.06	91.42	91.47	91.51	91.14	91.51	92.24	92.18	91.27	-	

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

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. 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	1976											1977	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p
TOTAL	111.1	111.1	111.5	112.0	111.6	111.8	111.8	112.2	112.2	112.8	113.3	112.6	114.7
GOODS-PRODUCING	96.1	96.0	95.6	97.2	96.8	96.5	95.7	95.9	96.0	97.2	96.9	95.4	98.7
MINING	125.0	125.7	125.9	124.7	125.0	127.7	115.6	131.7	131.1	132.6	134.0	130.8	137.7
CONTRACT CONSTRUCTION	104.1	99.6	105.0	104.0	104.0	103.7	102.5	99.4	104.2	105.7	104.3	95.4	104.8
MANUFACTURING	93.6	94.3	93.0	95.1	94.6	94.2	93.9	94.0	93.2	94.5	94.4	94.1	96.3
DURABLE GOODS	91.4	92.4	90.9	94.0	93.8	93.5	93.6	93.2	92.0	93.8	93.6	93.6	95.4
Ordnance and accessories	41.0	41.0	39.9	41.0	40.7	40.0	39.8	38.6	38.5	38.5	39.5	39.6	39.7
Lumber and wood products	96.0	95.8	96.0	96.6	96.1	98.6	97.6	98.2	99.4	100.8	101.9	101.4	104.2
Furniture and fixtures	103.1	103.6	102.7	105.1	103.3	102.3	101.2	102.4	102.2	102.8	103.5	98.5	99.6
Stone, clay, and glass products	97.4	96.5	98.6	99.5	99.7	99.2	98.6	98.9	99.7	100.2	99.1	96.8	97.4
Primary metal industries	84.8	86.0	86.8	88.3	89.2	90.1	89.8	88.8	86.2	85.7	85.0	84.7	85.8
Fabricated metal products	96.4	97.2	94.9	98.7	98.4	98.0	98.6	98.6	96.5	98.1	98.1	98.1	99.1
Machinery, except electrical	93.0	93.3	91.7	94.9	94.5	95.9	95.9	95.9	94.0	96.7	96.0	96.3	98.2
Electrical equipment and supplies	89.3	90.4	89.0	92.2	91.9	90.5	92.2	91.5	92.1	93.4	93.1	93.0	97.9
Transportation equipment	89.2	91.8	96.9	92.8	92.6	90.3	90.7	89.1	86.1	91.5	90.6	93.0	92.5
Instruments and related products	105.2	106.7	105.7	109.6	109.1	110.3	108.1	107.2	107.9	108.5	110.4	109.5	114.0
Miscellaneous manufacturing, Ind.	94.3	95.4	93.1	95.4	94.7	93.1	91.8	92.2	92.0	92.1	91.6	93.0	96.5
NONDURABLE GOODS	96.8	97.1	96.0	96.6	95.8	95.2	94.2	95.2	95.0	95.4	95.5	95.0	97.5
Food and kindred products	96.8	96.0	96.1	96.6	96.8	97.0	96.5	96.4	96.2	96.6	95.5	95.3	96.4
Tobacco manufactures	88.1	84.9	85.4	85.4	83.4	82.3	84.0	82.1	83.0	81.6	81.6	75.4	79.6
Textile mill products	99.0	99.3	96.1	99.9	98.6	98.0	95.5	95.2	95.0	95.6	96.1	95.7	97.3
Apparel and other textile products	92.2	92.6	89.3	92.0	91.4	88.9	87.6	86.2	85.7	86.1	86.3	84.2	88.2
Paper and allied products	95.8	96.1	95.9	98.1	97.3	96.9	96.1	96.5	95.7	97.0	97.2	96.6	99.3
Printing and publishing	92.6	92.7	92.3	93.6	93.1	93.6	92.9	93.1	93.4	93.6	93.7	92.8	94.2
Chemicals and allied products	99.4	99.4	100.1	100.0	99.0	99.4	99.8	100.3	99.4	100.0	100.0	100.6	103.8
Petroleum and coal products	114.2	113.9	115.6	113.9	111.6	112.2	112.4	112.2	112.5	113.1	114.7	116.4	121.6
Rubber and plastics products, nec	117.9	121.7	121.3	108.8	107.0	106.2	105.2	124.3	125.6	125.7	127.6	128.2	132.9
Leather and leather products	79.2	79.3	78.4	79.8	76.0	74.7	72.5	72.1	71.0	70.4	70.5	71.1	73.6
SERVICE-PRODUCING	121.6	121.6	122.6	122.3	121.8	122.5	123.0	123.6	123.5	123.5	124.6	124.6	125.8
TRANSPORTATION AND PUBLIC UTILITIES	102.3	102.5	102.4	101.9	101.6	102.1	102.5	102.9	102.0	103.2	105.0	103.6	104.8
WHOLESALE AND RETAIL TRADE	118.0	118.0	119.8	118.9	118.1	118.9	119.0	119.7	119.3	118.9	120.0	119.9	121.4
WHOLESALE TRADE	113.4	113.2	114.3	114.3	114.1	115.3	114.7	114.9	114.8	114.8	114.8	115.0	116.6
RETAIL TRADE	119.8	119.8	121.8	120.6	119.6	120.3	120.6	121.6	121.0	120.4	122.0	121.6	123.2
FINANCE, INSURANCE, AND REAL ESTATE	125.4	125.5	126.1	126.3	126.3	126.6	127.3	127.7	128.3	129.1	129.8	131.4	131.0
SERVICES	134.2	134.0	134.6	135.3	135.0	135.4	136.6	137.2	137.6	137.7	138.4	138.8	140.0

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

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		
	December 1976	January 1977p	February 1977p	Feb. 1976 to Feb. 1977	Dec. 1976 to Jan. 1977	Jan. 1977 to Feb. 1977
TOTAL	153,611	152,442	155,307	3.4	-0.8	1.9
PRIVATE SECTOR	123,801	123,233	125,271	3.3	-0.5	1.7
MINING	1,836	1,797	1,878	9.5	-2.1	4.5
CONTRACT CONSTRUCTION	6,992	6,489	7,104	1.5	-7.2	9.5
MANUFACTURING	39,563	39,489	40,135	2.7	-0.2	1.6
DURABLE GOODS	23,365	23,352	23,694	3.9	-0.1	1.5
NONDURABLE GOODS	16,197	16,137	16,440	1.0	-0.4	1.9
TRANSPORTATION AND PUBLIC UTILITIES	9,589	9,486	9,584	2.8	-1.1	1.0
WHOLESALE AND RETAIL TRADE	31,401	31,339	31,732	3.0	-0.2	1.3
FINANCE, INSURANCE, AND REAL ESTATE	8,403	8,491	8,450	4.1	1.0	-0.5
SERVICES	26,018	26,142	26,389	4.6	0.5	0.9
GOVERNMENT	29,809	29,209	30,036	3.9	-2.0	2.8

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 Survey 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										
			1974			1975				1976			
	1975	1976	II	III	IV	I	II	III	IV	I	II	III	IV
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	111.3r	115.7r	109.3	108.7	107.7	108.1	111.2	113.4r	112.8r	114.7r	115.5r	116.3r	116.5r
Output	118.1	126.1	121.8	120.6	117.7	114.2	116.7	120.1	121.2	124.2	125.8	126.8	127.5r
Hours	106.1r	108.9r	111.5	111.0	109.2	105.7	104.9	105.9r	107.5r	108.2r	108.9r	108.9r	109.5r
Compensation per hour	179.9r	193.7r	161.6	166.6	170.8	176.1	178.7r	180.8r	184.2r	188.8r	191.8r	195.3r	199.3r
Real compensation per hour	111.6r	113.6r	111.1	111.3	110.8	112.0	112.0	111.1r	111.3	112.8r	113.3r	113.7r	114.7r
Unit labor costs	161.6	167.4	147.9	153.3	158.6	162.9	160.7	159.5	163.3r	164.6r	166.0r	167.8r	171.0r
Unit nonlabor payments	149.6r	159.3r	129.4	132.0	134.9	138.6	146.6	156.2	156.3r	156.3r	159.6r	160.7r	160.5r
Implicit price deflator	157.5	164.6	141.5	146.0	150.4	154.5	155.9	158.4	160.9	161.7	163.8	165.4	167.4r
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	109.2r	113.3r	107.5	106.7	105.8	106.0	109.0	111.4r	110.6r	112.0r	113.2r	114.0r	113.7r
Output	118.0	126.2	122.1	121.0	117.9	114.4	116.6	119.9	121.3	124.3	126.0	126.9	127.5
Hours	108.0r	111.4r	113.6	113.4	111.4	107.8r	106.9	107.7r	109.7r	111.0r	111.2r	111.3r	112.2r
Compensation per hour	177.4r	190.5r	159.4	163.9	168.5	173.1	176.1r	178.9r	181.4r	185.4r	188.9r	192.1r	195.5r
Real compensation per hour	110.0r	111.7r	109.6	109.5	109.3	110.1	110.4	109.8r	109.6r	110.8r	111.6r	111.9r	112.6r
Unit labor costs	162.4	168.2	148.3	153.6	159.3	163.3	161.5	160.6	164.1	165.4r	166.8r	168.5r	171.9r
Unit nonlabor payments	144.8r	155.7	124.2	127.0	129.7	136.0	142.3	150.0	150.3r	152.6r	154.2r	157.6r	158.1r
Implicit price deflator	156.4	163.9r	140.1	144.6	149.2	154.0	155.0	157.0	159.3	161.0	162.5	164.8	167.2r
MANUFACTURING:													
Output per hour of all persons	114.9	122.4	115.3	115.5	112.7	109.0	112.7	118.6	119.5	120.9	123.1	124.8	124.5r
Output	106.3	118.2r	118.5	118.5	111.5	100.8	102.7	109.5	112.6	116.5	119.0	120.5	120.7r
Hours	92.5	96.6	102.8	102.6	98.9	92.4	91.1	92.3	94.2	96.4	96.7	96.6	97.0
Compensation per hour	179.8	193.2	158.7	163.6	169.8	175.9	178.5	180.7	183.7	187.8	191.7	194.6	198.3
Real compensation per hour	111.5	113.3	109.1	109.3	110.1	111.9	111.8	111.0	111.0	112.3	113.3	113.3	114.2
Unit labor costs	156.4	157.9r	137.7	141.7	150.7	161.3	158.3	152.3	153.7	155.4	155.8	155.9	159.3r
DURABLE GOODS													
Output per hour of all persons	110.9	117.8	108.9	109.7	107.7	104.2	108.6	115.2	115.5	116.5	119.3	121.1	120.2r.
Output	101.3	112.5	113.0	113.9	107.9	96.9	97.9	104.2	106.4	110.2	113.8	116.2	115.6
Hours	91.3	95.5	103.8	103.9	100.2	92.9	90.1	90.5	92.2	94.6	95.4	95.9	96.2r
Compensation per hour	181.3	194.7	158.6	163.5	169.7	176.0	180.0	182.7	185.7	189.5	193.9	195.9	199.0r
Real compensation per hour	112.4	114.2	109.0	109.2	110.1	111.9	112.8	112.2	112.2	113.3	114.6	114.1	114.6r
Unit labor costs	163.5	165.3	145.6	149.1	157.5	168.9	165.7	158.6	160.8	162.7	162.5	161.8	165.5r
NONDURABLE GOODS													
Output per hour of all persons	121.5	129.7r	125.6	125.2	121.0	117.1	119.4	124.4	125.9	127.7	129.2	131.1	131.6r
Output	114.5	127.6r	127.3	126.0	117.5	107.5	110.4	118.1	122.5	126.3	127.4	127.9	129.1r
Hours	94.2	98.3	101.4	100.7	97.1	91.7	92.4	95.0	97.3	98.9	98.6	97.5	98.1r
Compensation per hour	177.8	191.1r	158.4	163.3	169.3	175.5	176.4	178.4	181.5	185.8	188.8	192.7	197.6
Real compensation per hour	110.3	112.1	108.9	109.0	109.9	111.6	110.6	109.5	109.7	111.1	111.6	112.2	113.8
Unit labor costs	146.3	147.3r	126.1	130.4	140.0	149.8	147.7	143.4	144.2	145.5	146.1	146.9	150.2r
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	112.8	117.3p	110.5	109.1	108.0	108.8	112.5	115.1	114.8	116.0	117.2	118.0	N.A.
Output	124.0	133.1p	129.7	127.7	123.7	119.7	122.4	126.2	127.5	130.8	133.0	134.0	N.A.
Hours	109.9	113.5p	117.3	117.1	114.6	110.0	108.8	109.7	111.1	112.8	113.4	113.6	N.A.
Compensation per hour	179.9	193.7p	160.5	165.1	169.9	175.5	178.3	181.2	184.6	188.4	191.9	195.0	N.A.
Real compensation per hour	111.6	113.6p	110.4	110.2	110.2	111.6	111.7	111.3	111.5	112.6	113.4	113.6	N.A.
Total unit costs	166.8	172.5p	148.5	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.0	172.8	N.A.
Unit labor costs	159.4	165.1p	145.2	151.4	157.3	161.3	158.5	157.5	160.8	162.5	163.7	165.3	N.A.
Unit nonlabor costs	189.8	195.7p	158.4	167.2	176.8	186.5	189.2	190.2	193.4	191.9	193.8	196.2	N.A.
Unit profits	87.0	107.2p	74.4	66.4	60.2	61.6	82.4	102.0	100.5	106.0	107.1	111.3	N.A.
Implicit price deflator	155.0	162.8p	137.5	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5	163.7	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 1975	III 1975	IV 1975	I 1976	II 1976	III 1976	IV 1976	I 1975	II 1975	III 1975	IV 1975	
	to III 1975	to IV 1975	to I 1976	to II 1976	to III 1976	to IV 1976	to I 1975	to II 1975	to III 1975	to IV 1975		
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	8.1r	-2.1r	7.0r	2.9r	2.9	0.5r	4.3r	4.7r	6.1	3.9r	2.6r	3.3r
Output	12.3	3.6	10.2	5.5	2.9	2.4r	-0.4	3.0	8.7	7.8	5.5	5.2r
Hours	3.9r	5.9r	2.9r	2.6r	0.1r	1.9r	-4.6r	-1.6r	2.4r	3.8r	2.8r	1.9r
Compensation per hour	4.8r	7.6r	10.4r	6.5r	7.5r	8.4r	8.5r	7.8r	7.2r	7.3r	8.0r	8.2r
Real compensation per hour	-3.3r	0.9r	5.6r	1.8r	1.3r	3.7r	-0.2r	0.4r	0.8r	1.2r	2.4r	3.1r
Unit labor costs	-3.1r	10.0r	3.1r	3.5r	4.5r	7.9r	4.0r	3.0	1.0r	3.3	5.2r	4.7r
Unit nonlabor payments	28.9r	0.2r	-0.1	8.8r	2.8	-0.5r	18.4r	15.8r	12.7r	8.8r	2.9r	2.7r
Implicit price deflator	6.6	6.6	2.1	5.2	3.9	5.0r	8.5r	7.0	4.7	5.1	4.4	4.0r
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	8.9r	-2.8r	5.4r	4.4r	2.6r	-1.0r	4.4r	4.5r	5.7r	3.9r	2.4r	2.8r
Output	12.1	4.5	10.5	5.4	3.0	2.0r	-0.8	2.9	8.7	8.1	5.8	5.2r
Hours	2.9r	7.6r	4.8r	1.0r	0.4r	3.0r	-5.0r	-1.6r	2.9	4.1r	3.4r	2.3r
Compensation per hour	6.4r	5.8r	9.0r	7.7r	7.1r	7.2	9.1r	7.7r	7.1r	7.2r	7.4r	7.8r
Real compensation per hour	-1.8r	-0.8r	4.3r	3.0r	0.9r	2.5r	0.4r	0.3r	0.6r	1.1r	1.8r	2.7r
Unit labor costs	-2.3r	8.9r	3.4r	3.2r	4.3	8.2r	4.5r	3.0r	1.3r	3.2r	4.9r	4.8r
Unit nonlabor payments	23.6r	0.6r	6.3r	4.4r	9.0	1.4r	18.1r	15.8r	12.2r	8.4r	5.0r	5.2r
Implicit price deflator	5.3	6.2	4.3	3.6	5.8	5.9r	8.6	6.8	4.6	4.9	5.0	4.9r
MANUFACTURING:												
Output per hour of all persons	22.6	3.0	4.7	7.4	5.7	-0.9r	2.7	6.1	10.9	9.2	5.2	4.2r
Output	29.4	11.9	14.4	8.9	5.3	0.6r	-7.6	1.0	15.6	15.9	10.1	7.2r
Hours	5.5	8.7	9.3	1.4	-0.5	1.6r	-10.0	-4.8	4.2	6.2	4.7	2.9r
Compensation per hour	5.1	6.8	9.2	8.6	6.2	7.9r	10.5	8.2	6.8	7.4	7.7	8.0r
Real compensation per hour	-3.0	0.1	4.5	3.8	0.1	3.2r	1.6	0.8	0.3	1.3	2.1	2.9r
Unit labor costs	-14.3	3.7	4.3	1.1	0.4	8.9r	7.5	2.0	-3.7	-1.6	2.4	3.6r
DURABLE GOODS												
Output per hour of all persons	26.5	1.1	3.6	9.9	6.1	-2.7r	5.0	7.2	11.8	9.8	5.1	4.1r
Output	28.5	8.7	15.1	13.6	8.6	-1.8r	-8.5	-1.4	13.8	16.2	11.5	8.7r
Hours	1.6	7.5	11.2	3.3	2.3	1.0r	-12.9	-8.0	1.8	5.8	6.0	4.4r
Compensation per hour	6.2	6.7	8.5	9.4	4.3	6.5r	11.7	9.4	7.7	7.7	7.2	7.2r
Real compensation per hour	-2.0	0.1	3.8	4.6	-1.7	1.8r	2.7	1.9	1.2	1.6	1.7	2.3r
Unit labor costs	16.0	5.5	4.8	-0.4	-1.7	9.5r	6.4	2.1	-3.7	-2.0	2.0	3.0
NONDURABLE GOODS												
Output per hour of all persons	17.6	5.0	5.9	4.7	6.3	1.3r	-0.6	4.1	9.0	8.2	5.5	4.5r
Output	31.0	15.9	13.0	3.5	1.6	3.8r	-6.3	4.3	17.6	15.4	8.3	5.4r
Hours	11.5	10.5	6.7	-1.2	-4.4	2.5r	-5.7	0.2	7.9	6.7	2.7	0.8r
Compensation per hour	4.4	7.2	9.9	6.5	8.6	10.5r	9.2	7.2	5.9	7.0	8.0	8.9r
Real compensation per hour	-3.6	0.5	5.2	1.8	2.3	5.6r	0.5	-0.2	-0.5	0.9	2.4	3.7r
Unit labor costs	-11.2	2.1	3.8	1.7	2.2	9.1r	10.0	3.0	-2.8	-1.1	2.5	4.2r
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	9.3	-0.9	4.2	4.4	2.6	N.A.	5.5	6.3	6.6	4.2	2.5	N.A.
Output	13.1	4.2	10.6	6.8	3.3	N.A.	-1.1	3.1	9.3	8.6	6.2	N.A.
Hours	3.5	5.1	6.2	2.3	0.7	N.A.	-6.3	-3.0	2.6	4.3	3.6	N.A.
Compensation per hour	6.7	7.6	8.6	7.6	6.7	N.A.	9.8	8.7	7.3	7.6	7.6	N.A.
Real compensation per hour	-1.5	0.9	3.9	2.9	0.6	N.A.	0.9	1.2	0.9	1.5	2.1	N.A.
Total unit costs	-1.2	8.1	2.2	3.4	4.3	N.A.	6.6	4.1	1.3	3.1	4.5	N.A.
Unit labor costs	-2.4	8.6	4.3	3.1	4.0	N.A.	4.0	2.2	0.7	3.3	5.0	N.A.
Unit nonlabor costs	2.1	7.1	-3.1	3.9	5.1	N.A.	13.7	9.4	2.9	2.5	3.2	N.A.
Unit profits	135.3	-5.9	23.8	4.2	16.9	N.A.	53.5	66.9	71.9	30.0	9.1	N.A.
Implicit price deflator	6.7	6.7	4.1	3.4	5.5	N.A.	9.8	7.9	5.6	5.2	4.9	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		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
ALABAMA	\$175.39	\$192.17	\$187.62	40.6	40.8	39.5	\$4.32	\$4.71	\$4.75
Birmingham	206.56	232.97	226.40	39.8	40.8	40.0	5.19	5.71	5.66
Mobile	213.56	221.53	220.13	40.6	39.7	39.1	5.26	5.58	5.63
ALASKA	299.91	(*)	(*)	39.0	(*)	(*)	7.69	(*)	(*)
ARIZONA	196.39	222.22	220.99	39.3	40.7	40.4	5.01	5.46	5.47
Phoenix	193.75	222.63	219.78	39.3	41.0	40.7	4.93	5.43	5.40
Tucson	196.35	220.15	216.15	38.5	40.1	39.3	5.10	5.49	5.50
ARKANSAS	151.96	166.04	(*)	40.2	40.4	(*)	3.78	4.11	(*)
Fayetteville-Springdale ¹	137.32	153.44	140.14	38.9	40.7	36.4	3.53	3.77	3.85
Fort Smith ¹	154.06	171.75	144.83	39.2	40.7	32.4	3.93	4.22	4.47
Little Rock-North Little Rock ¹	170.71	192.88	170.72	39.7	40.1	34.7	4.30	4.81	4.92
Pine Bluff ¹	182.11	206.24	202.29	40.2	42.7	41.2	4.53	4.83	4.91
CALIFORNIA ¹	214.09	233.92	230.66	39.5	40.4	39.7	5.42	5.79	5.81
Anaheim-Santa Ana-Garden Grove ¹	202.69	218.41	215.87	39.9	40.9	40.2	5.08	5.34	5.37
Bakersfield	223.79	242.20	248.25	39.4	40.1	40.3	5.68	6.04	6.16
Fresno ¹	190.46	204.52	208.50	38.4	38.3	38.9	4.96	5.34	5.36
Los Angeles-Long Beach ¹	200.88	221.27	211.92	39.7	40.9	39.1	5.06	5.41	5.42
Modesto	203.46	226.80	218.83	37.4	40.5	37.6	5.44	5.60	5.82
Oxnard-Simi Valley-Ventura ¹	190.90	202.18	196.33	38.8	39.8	38.8	4.92	5.08	5.06
Riverside-San Bernardino-Ontario ¹	226.70	234.24	234.23	40.7	39.5	39.7	5.57	5.93	5.90
Sacramento	226.97	251.91	247.40	38.6	39.3	38.9	5.88	6.41	6.36
Salinas-Seaside-Monterey ¹	203.90	222.72	228.51	37.9	38.4	38.6	5.38	5.80	5.92
San Diego ¹	213.95	229.50	226.78	38.9	39.5	39.1	5.50	5.81	5.80
San Francisco-Oakland ¹	255.96	281.30	278.64	38.9	39.9	39.3	6.58	7.05	7.09
San Jose ¹	232.26	257.09	253.13	39.3	40.6	39.8	5.91	6.33	6.36
Santa Barbara-Santa Maria-Lompoc ¹	189.05	210.54	214.93	39.8	39.8	40.4	4.75	5.29	5.32
Santa Rosa ¹	198.74	215.63	217.55	36.4	37.5	37.9	5.46	5.75	5.74
Stockton ¹	239.18	257.00	255.84	39.6	39.6	39.3	6.04	6.49	6.51
Vallejo-Fairfield-Napa ¹	226.92	228.53	231.48	37.2	36.8	37.7	6.10	6.21	6.14
COLORADO	205.93	218.90	217.65	39.3	39.8	39.5	5.24	5.50	5.51
Denver-Boulder	208.69	224.16	222.88	39.6	40.1	39.8	5.27	5.59	5.60
CONNECTICUT	200.56	223.39	220.99	40.6	41.6	41.0	4.94	5.37	5.39
Bridgeport	209.61	231.86	229.02	41.1	42.7	42.1	5.10	5.43	5.44
Hartford	226.59	246.71	248.81	41.5	42.1	42.1	5.46	5.86	5.91
New Britain	205.73	227.94	228.25	40.9	41.9	41.5	5.03	5.44	5.50
New Haven-West Haven	201.40	222.03	217.08	40.2	41.5	40.5	5.01	5.35	5.36
Stamford	212.58	224.40	217.59	41.6	42.5	40.9	5.11	5.28	5.32
Waterbury	175.95	191.48	189.15	41.4	41.9	41.3	4.25	4.57	4.58
DELAWARE	224.96	232.26	(*)	40.1	39.5	(*)	5.61	5.88	(*)
Wilmington	247.85	257.54	(*)	40.5	39.5	(*)	6.12	6.52	(*)
DISTRICT OF COLUMBIA:									
Washington SMSA	207.62	211.14	(*)	39.1	38.6	(*)	5.31	5.47	(*)
FLORIDA	171.37	187.26	185.92	40.9	41.8	41.5	4.19	4.48	4.48
Fort Lauderdale-Hollywood	158.76	182.48	180.54	37.8	41.1	40.3	4.20	4.44	4.48
Jacksonville	210.34	221.12	209.75	41.9	41.1	39.8	5.02	5.38	5.27
Miami	145.04	161.02	152.09	39.2	41.5	39.3	3.70	3.88	3.87
Orlando	180.19	202.18	208.12	42.1	41.6	44.0	4.28	4.86	4.73
Pensacola	215.69	237.08	234.54	41.4	43.5	42.8	5.21	5.45	5.48
Tampa-St. Petersburg	183.87	201.06	199.34	40.5	41.8	41.1	4.54	4.81	4.85
West Palm Beach-Boca Raton	234.50	248.33	233.46	46.9	47.3	44.3	5.00	5.25	5.27
GEORGIA	164.84	175.44	157.74	40.5	40.8	39.1	4.07	4.30	4.29
Atlanta	197.50	221.27	209.28	39.5	40.6	38.4	5.00	5.45	5.45
Savannah	206.30	249.25	231.68	42.8	45.4	42.2	4.82	5.49	5.49
HAWAII	186.99	211.62	207.20	37.7	38.9	38.3	4.96	5.44	5.41
Honolulu	182.16	204.22	200.09	36.8	38.1	37.4	4.95	5.36	5.35
IDAHO ²	192.84	210.10	201.02	38.8	38.2	38.0	4.97	5.50	5.29

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		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
ILLINOIS	\$225.86	\$247.26	(*)	40.0	40.7	(*)	\$5.64	\$6.07	(*)
INDIANA ¹	235.89	256.05	\$248.68	40.6	41.1	39.1	5.81	6.23	\$ 6.36
Indianapolis	235.31	266.49	(*)	40.5	42.1	(*)	5.81	6.33	(*)
IOWA	226.33	256.66	254.38	40.2	41.0	40.7	5.63	6.26	6.25
Cedar Rapids	236.32	250.92	251.53	41.9	41.0	41.1	5.64	6.12	6.12
Des Moines	227.74	257.28	271.48	38.6	39.1	40.1	5.90	6.58	6.77
Dubuque	271.15	308.33	309.97	39.7	40.2	40.1	6.83	7.67	7.73
Sioux City	209.47	227.53	229.04	39.3	40.2	40.9	5.33	5.66	5.60
Waterloo—Cedar Falls	272.40	349.27	325.92	40.0	44.1	42.0	6.81	7.92	7.76
KANSAS	202.76	214.77	(*)	41.6	41.7	(*)	4.88	5.15	(*)
Topeka	213.20	234.73	(*)	42.7	43.5	(*)	4.99	5.40	(*)
Wichita	221.11	229.36	(*)	41.4	41.7	(*)	5.34	5.50	(*)
KENTUCKY	195.42	211.33	191.87	39.8	40.1	35.4	4.91	5.27	5.42
Louisville	219.96	254.78	223.92	39.0	40.7	36.0	5.64	6.26	6.22
LOUISIANA	212.59	232.96	(*)	41.2	41.6	(*)	5.16	5.60	(*)
Baton Rouge	267.76	284.50	(*)	42.3	42.4	(*)	6.33	6.71	(*)
New Orleans	210.12	219.70	(*)	41.2	39.8	(*)	5.10	5.52	(*)
Shreveport ¹	187.96	201.31	198.45	41.4	41.0	40.5	4.54	4.91	4.90
MAINE ¹	161.20	174.84	169.60	40.4	40.1	38.9	3.99	4.36	4.36
Lewiston—Auburn ¹	136.17	137.99	136.90	39.7	37.6	37.1	3.43	3.67	3.69
Portland ¹	170.34	177.75	174.79	39.8	39.5	38.5	4.28	4.50	4.54
MARYLAND ¹	208.56	232.36	226.00	39.5	40.2	39.1	5.28	5.78	5.78
Baltimore ¹	221.45	247.25	237.79	39.9	40.8	39.5	5.55	6.06	6.02
MASSACHUSETTS	183.28	202.71	(*)	39.4	40.3	(*)	4.65	5.03	(*)
Boston	199.02	223.97	(*)	39.1	40.5	(*)	5.09	5.53	(*)
Brockton	144.60	156.83	(*)	36.7	37.7	(*)	3.94	4.16	(*)
Fall River	130.65	137.55	(*)	35.6	35.0	(*)	3.67	3.93	(*)
Lawrence—Haverhill	177.06	197.24	(*)	39.0	40.5	(*)	4.54	4.87	(*)
Lowell	162.12	174.33	(*)	38.6	39.0	(*)	4.20	4.47	(*)
New Bedford	151.18	165.84	(*)	37.7	38.3	(*)	4.01	4.33	(*)
Springfield—Chicopee—Holyoke	187.27	214.04	(*)	40.1	42.3	(*)	4.67	5.06	(*)
Worcester	183.38	203.11	(*)	39.1	40.3	(*)	4.69	5.04	(*)
MICHIGAN	270.80	315.40	(*)	41.3	43.8	(*)	6.56	7.20	(*)
Ann Arbor	287.85	346.68	(*)	41.4	45.0	(*)	6.95	7.70	(*)
Battle Creek	267.98	290.30	(*)	41.4	42.0	(*)	6.47	6.91	(*)
Bay City	286.92	335.90	(*)	46.3	50.0	(*)	6.20	6.72	(*)
Detroit	283.80	342.35	(*)	41.1	44.6	(*)	6.91	7.68	(*)
Flint	308.68	357.86	(*)	42.6	46.5	(*)	7.25	7.70	(*)
Grand Rapids	220.00	245.11	(*)	40.3	41.6	(*)	5.46	5.89	(*)
Jackson	237.03	266.09	(*)	40.4	42.5	(*)	5.87	6.26	(*)
Kalamazoo—Portage	248.85	279.63	(*)	41.6	42.6	(*)	5.98	6.56	(*)
Lansing—East Lansing	296.42	355.75	(*)	42.4	46.1	(*)	6.99	7.72	(*)
Muskegon—Norton Shore—Muskegon Heights	235.89	252.11	(*)	41.5	41.5	(*)	5.68	6.08	(*)
Saginaw	317.42	364.27	(*)	42.3	45.1	(*)	7.50	8.08	(*)
MINNESOTA	213.60	228.97	(*)	40.0	40.1	(*)	5.34	5.71	(*)
Duluth—Superior	190.56	204.75	(*)	39.7	39.3	(*)	4.80	5.21	(*)
Minneapolis—St. Paul	227.37	247.46	(*)	40.1	40.7	(*)	5.67	6.08	(*)
MISSISSIPPI ¹	150.00	162.00	156.78	40.0	40.5	39.0	3.75	4.00	4.02
Jackson	149.29	174.29	172.94	39.6	42.1	40.5	3.77	4.14	4.27
MISSOURI	199.00	214.66	212.18	39.8	39.9	38.3	5.00	5.38	5.54
Kansas City	226.16	252.93	247.05	40.1	41.6	40.5	5.64	6.08	6.10
St. Joseph	193.33	199.02	201.50	40.7	40.7	40.3	4.75	4.89	5.00
St. Louis	232.65	247.82	247.50	40.3	40.1	39.1	5.77	6.18	6.33
Springfield	165.39	177.38	173.36	39.1	38.9	38.1	4.23	4.56	4.55
MONTANA	214.50	252.62	255.68	38.1	42.6	42.9	5.63	5.93	5.96

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		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
NEBRASKA	\$201.52	\$219.39	\$218.38	41.6	41.9	41.7	\$4.84	\$5.24	\$5.24
Lincoln	185.56	200.50	197.41	39.6	39.9	40.1	4.68	5.03	4.92
Omaha	225.08	251.58	241.92	41.9	43.7	43.0	5.38	5.76	5.63
NEVADA ¹	210.92	237.39	231.90	38.7	40.1	40.4	5.45	5.92	5.74
Las Vegas	254.92	292.75	(*)	40.4	42.8	(*)	6.31	6.84	(*)
NEW HAMPSHIRE ¹	161.50	178.80	171.52	39.2	40.0	38.2	4.12	4.47	4.49
Manchester	147.07	155.54	145.30	38.6	38.5	35.7	3.81	4.04	4.07
Nashua	185.03	208.00	198.79	40.4	41.6	39.6	4.58	5.00	5.02
NEW JERSEY	211.86	234.36	229.45	40.9	42.0	40.9	5.18	5.58	5.61
Atlantic City	153.21	173.04	149.31	34.9	35.9	31.7	4.39	4.82	4.71
Camden ³	190.48	209.96	197.74	39.6	40.3	38.1	4.81	5.21	5.19
Hackensack ⁴	199.87	219.60	222.07	39.5	41.2	41.2	5.06	5.33	5.39
Jersey City ⁴	201.50	211.87	207.82	40.3	39.9	38.7	5.00	5.31	5.37
New Brunswick—Perth Amboy—Sayreville ⁴	226.14	249.18	249.72	40.6	41.6	41.0	5.57	5.99	5.92
Newark ⁴	221.34	243.95	237.99	42.0	43.1	41.9	5.27	5.66	5.68
Paterson—Clifton—Passaic ⁴	200.16	211.42	207.83	41.7	42.2	41.4	4.80	5.01	5.02
Trenton	239.86	266.92	258.43	44.5	46.1	44.1	5.39	5.79	5.86
NEW MEXICO	148.54	168.60	162.93	39.4	39.3	38.7	3.77	4.29	4.21
Albuquerque	150.90	172.04	173.26	39.4	39.1	40.2	3.83	4.40	4.31
NEW YORK	202.79	222.15	(*)	39.3	40.1	(*)	5.16	5.54	(*)
Albany—Schenectady—Troy	210.89	240.29	(*)	40.4	41.5	(*)	5.22	5.79	(*)
Binghamton	194.95	195.05	(*)	40.7	40.3	(*)	4.79	4.84	(*)
Buffalo	256.00	293.51	(*)	40.7	42.6	(*)	6.29	6.89	(*)
Elmira	190.71	216.68	(*)	39.0	40.5	(*)	4.89	5.35	(*)
Monroe County ⁵	262.92	292.40	(*)	41.8	43.0	(*)	6.29	6.80	(*)
Nassau—Suffolk ⁶	193.45	202.58	(*)	39.4	39.8	(*)	4.91	5.09	(*)
New York—Northeastern New Jersey	196.89	211.60	(*)	39.3	40.0	(*)	5.01	5.29	(*)
New York and Nassau—Suffolk ⁴	183.22	196.48	(*)	37.7	38.3	(*)	4.86	5.13	(*)
New York SMSA ⁶	180.31	194.43	(*)	37.3	37.9	(*)	4.85	5.13	(*)
New York City ⁷	180.31	192.51	(*)	37.1	37.6	(*)	4.86	5.12	(*)
Poughkeepsie	204.91	231.68	(*)	40.1	42.2	(*)	5.11	5.49	(*)
Rochester	249.64	276.27	(*)	41.4	42.7	(*)	6.03	6.47	(*)
Rockland County ⁷	203.10	221.45	(*)	42.4	43.0	(*)	4.79	5.15	(*)
Syracuse	219.18	242.28	(*)	41.2	41.7	(*)	5.32	5.81	(*)
Utica—Rome	183.26	204.50	(*)	40.1	40.9	(*)	4.57	5.00	(*)
Westchester County ⁷	188.57	212.00	(*)	38.8	39.7	(*)	4.86	5.34	(*)
NORTH CAROLINA	146.46	158.80	(*)	39.8	39.9	(*)	3.68	3.98	(*)
Asheville	144.00	152.46	(*)	40.0	39.6	(*)	3.60	3.85	(*)
Charlotte—Gastonia	148.92	161.92	(*)	40.8	41.2	(*)	3.65	3.93	(*)
Greensboro—Winston-Salem—High Point	160.00	173.29	(*)	39.9	40.3	(*)	4.01	4.30	(*)
Raleigh—Durham	163.15	179.50	(*)	39.6	39.8	(*)	4.12	4.51	(*)
NORTH DAKOTA	181.63	192.86	184.88	39.4	39.2	37.5	4.61	4.92	4.93
Fargo—Moorhead	196.10	203.32	202.37	40.6	39.1	38.4	4.83	5.20	5.27
OHIO ¹	240.67	269.86	258.15	41.0	42.1	39.9	5.87	6.41	6.47
Akron ¹	241.53	287.32	269.10	41.5	44.0	41.4	5.82	6.53	6.50
Canton ¹	237.77	251.27	244.72	40.3	39.2	38.0	5.90	6.41	6.44
Cincinnati ¹	223.86	255.49	233.25	41.0	42.3	38.3	5.46	6.04	6.09
Cleveland ¹	245.96	281.22	272.41	41.2	43.0	41.4	5.97	6.54	6.58
Columbus ¹	218.29	239.72	222.89	40.2	40.7	38.1	5.43	5.89	5.85
Dayton ¹	257.55	273.03	264.45	42.5	42.2	41.0	6.06	6.47	6.45
Toledo ¹	251.94	287.97	269.84	41.1	43.5	40.7	6.13	6.62	6.63
Youngstown—Warren ¹	264.32	280.91	290.08	39.1	38.8	39.2	6.76	7.24	7.40
OKLAHOMA ¹	191.76	205.32	199.04	40.8	40.9	38.8	4.70	5.02	5.13
Oklahoma City ¹	190.41	210.43	199.43	40.6	41.1	38.5	4.69	5.12	5.18
Tulsa ¹	202.80	221.27	214.11	40.0	40.6	39.0	5.07	5.45	5.49
OREGON	224.27	248.68	246.27	38.6	39.1	38.6	5.81	6.36	6.38
Eugene—Springfield	235.59	272.17	(*)	39.2	41.3	(*)	6.01	6.59	(*)
Jackson County	216.75	238.26	(*)	37.5	37.7	(*)	5.78	6.32	(*)
Portland	224.45	250.57	239.27	38.9	39.9	37.8	5.77	6.28	6.33

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		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
PENNSYLVANIA	\$200.98	\$221.43	\$216.40	38.8	39.4	38.3	\$5.18	\$5.62	\$5.65
Allentown—Bethlehem—Easton	195.31	216.33	212.25	38.6	38.7	37.7	5.06	5.59	5.63
Altoona	164.59	177.55	177.18	38.1	37.3	37.3	4.32	4.76	4.75
Delaware Valley ⁸	215.12	235.71	230.49	39.4	40.5	39.4	5.46	5.82	5.85
Erie	205.20	235.15	224.07	40.0	41.4	39.8	5.13	5.68	5.63
Harrisburg	183.28	195.39	198.12	39.5	39.0	39.0	4.64	5.01	5.08
Johnstown	227.33	236.74	229.32	37.7	37.4	36.0	6.03	6.33	6.37
Lancaster	184.80	200.00	196.00	40.0	40.9	40.0	4.62	4.89	4.90
Northeast Pennsylvania	147.10	157.44	155.65	36.5	35.3	34.9	4.03	4.46	4.46
Philadelphia SMSA	211.58	232.47	225.79	39.4	40.5	39.2	5.37	5.74	5.76
Pittsburgh	241.74	267.47	258.80	39.5	40.1	38.8	6.12	6.67	6.67
Reading	181.17	198.86	192.53	39.3	39.3	37.9	4.61	5.06	5.08
Scranton ⁹	146.33	151.73	150.42	36.4	34.8	34.5	4.02	4.36	4.36
Wilkes-Barre—Hazleton ¹⁰	146.37	159.65	158.20	36.5	35.4	35.0	4.01	4.51	4.52
Williamsport	178.60	187.40	187.56	39.6	38.8	38.2	4.51	4.83	4.91
York	190.39	207.20	194.66	41.3	42.2	38.7	4.61	4.91	5.03
RHODE ISLAND ¹	159.60	171.17	164.90	39.8	39.9	38.8	4.01	4.29	4.25
Providence—Warwick—Pawtucket ¹	160.80	172.89	166.57	39.9	40.3	39.1	4.03	4.29	4.26
SOUTH CAROLINA ^{2 11}	153.82	169.33	165.62	40.8	41.4	40.2	3.77	4.09	4.12
Charleston—North Charleston ²	167.98	201.67	(*)	39.9	43.0	(*)	4.21	4.69	(*)
Columbia ²	150.88	161.48	(*)	39.6	39.1	(*)	3.81	4.13	(*)
Greenville—Spartanburg ²	154.25	168.51	(*)	40.7	41.1	(*)	3.79	4.10	(*)
SOUTH DAKOTA	177.80	188.07	(*)	40.5	40.1	(*)	4.39	4.69	(*)
Sioux Falls	233.08	236.17	(*)	41.4	41.8	(*)	5.63	5.65	(*)
TENNESSEE	166.05	182.13	178.60	40.5	41.3	39.6	4.10	4.41	4.51
Chattanooga	176.23	187.33	183.21	40.7	40.2	39.4	4.33	4.66	4.65
Knoxville	193.73	217.57	215.47	40.7	41.6	40.2	4.76	5.23	5.36
Memphis	194.17	216.30	206.72	40.2	41.2	39.3	4.83	5.25	5.26
Nashville—Davidson	174.76	191.83	192.15	39.9	40.3	39.7	4.38	4.76	4.84
TEXAS ¹	199.96	215.80	205.02	41.4	41.5	39.2	4.83	5.20	5.23
Amarillo ¹	186.06	198.94	197.29	42.0	40.6	40.1	4.43	4.90	4.92
Austin ¹	170.57	180.07	174.44	41.1	41.3	40.1	4.15	4.36	4.35
Beaumont—Port Arthur—Orange ¹	274.65	286.84	237.25	41.3	40.4	33.7	6.65	7.10	7.04
Corpus Christi ¹	225.22	246.50	232.67	40.8	42.5	41.4	5.52	5.80	5.62
Dallas—Fort Worth ¹	186.96	201.83	183.92	41.0	41.7	38.0	4.56	4.84	4.84
El Paso	142.52	144.87	(*)	39.7	36.4	(*)	3.59	3.98	(*)
Galveston—Texas City	312.50	331.27	(*)	44.9	42.8	(*)	6.96	6.74	(*)
Houston ¹	244.38	269.27	263.34	43.1	43.5	42.0	5.67	7.19	6.27
Lubbock ¹	155.03	159.27	160.82	41.9	42.7	42.1	3.70	3.73	3.82
San Antonio ¹	155.63	164.67	160.39	41.5	41.9	39.8	3.75	3.93	4.03
Waco ¹	165.24	191.13	184.82	40.8	42.1	40.8	4.01	4.54	4.53
Wichita Falls ¹	170.47	181.50	170.15	40.3	38.7	35.3	4.23	4.69	4.82
UTAH ¹	182.02	196.83	200.82	38.4	39.2	39.3	4.74	5.02	5.11
Salt Lake City—Ogden ¹	176.72	192.27	194.62	38.5	39.8	39.8	4.59	4.83	4.89
VERMONT	174.66	192.70	183.26	41.0	41.8	40.1	4.26	4.61	4.57
Burlington	210.70	236.30	219.44	43.0	44.5	42.2	4.90	5.31	5.20
Springfield	186.65	203.62	197.46	40.4	40.4	39.1	4.62	5.04	5.05
VIRGINIA ¹	166.00	181.20	172.66	40.0	40.0	38.2	4.15	4.53	4.52
Lynchburg ¹	168.92	179.95	169.83	41.2	39.9	37.0	4.10	4.51	4.59
Norfolk—Virginia Beach—Portsmouth ¹	172.43	214.38	212.94	40.1	42.2	42.0	4.30	5.08	5.07
Northern Virginia ^{1 12}	197.76	203.81	194.18	41.2	40.6	38.0	4.80	5.02	5.11
Richmond ¹	202.54	218.15	208.67	41.0	40.7	38.5	4.94	5.36	5.42
Roanoke ¹	150.46	161.19	150.59	39.7	39.8	37.0	3.79	4.05	4.07
WASHINGTON	235.46	260.57	(*)	38.6	39.6	(*)	6.10	6.58	(*)
Seattle—Everett	244.61	263.74	(*)	39.2	39.6	(*)	6.24	6.66	(*)
Spokane	216.94	226.40	(*)	39.3	38.9	(*)	5.52	5.82	(*)
Tacoma	233.78	253.87	(*)	38.2	38.7	(*)	6.12	6.56	(*)
WEST VIRGINIA	208.35	222.87	(*)	40.3	39.1	(*)	5.17	5.70	(*)
Charleston	238.37	264.13	(*)	41.6	41.4	(*)	5.73	6.38	(*)
Huntington—Ashland	236.40	243.27	(*)	40.9	39.3	(*)	5.78	6.19	(*)
Parkersburg—Marietta	225.48	244.01	(*)	40.7	40.6	(*)	5.54	6.01	(*)

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		
	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P	JAN. 1976	DEC. 1976	JAN. 1977P
WEST VIRGINIA—Continued									
Wheeling	\$219.49	\$217.49	(*)	40.2	39.4	(*)	\$5.46	\$5.52	(*)
WISCONSIN¹									
Appleton—Oshkosh ¹	225.76	245.90	\$241.73	40.6	41.2	40.6	5.56	5.96	\$5.96
Green Bay ¹	214.37	233.87	232.56	41.2	41.6	41.0	5.21	5.62	5.68
Kenosha ¹	231.25	247.20	241.55	42.3	42.3	41.5	5.47	5.84	5.82
La Crosse ¹	256.71	269.40	265.84	39.0	39.9	39.5	6.58	6.75	6.73
Madison ¹	183.91	208.64	201.23	40.3	40.8	39.8	4.56	5.11	5.06
Milwaukee ¹	241.56	258.30	255.58	39.7	40.1	39.8	6.09	6.44	6.42
Racine ¹	246.60	267.00	262.64	40.5	41.1	40.4	6.10	6.50	6.50
	236.67	256.28	254.97	39.8	40.4	39.8	5.94	6.35	6.40
WYOMING									
Casper	223.34	228.83	226.73	42.3	40.5	40.2	5.28	5.65	5.64
Cheyenne	255.98	277.72	251.77	40.5	41.7	39.4	6.32	6.66	6.39
	224.49	244.61	239.76	42.3	40.1	40.5	5.83	6.10	5.92

¹ Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.

² Based on 1972 Standard Industrial Classification.

³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁴ Subarea of New York—Northeastern New Jersey.

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

⁶ Area included in New York and Nassau—Suffolk combined SMSA'S.

⁷ Subarea of New York Standard Metropolitan Statistical Area.

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 1976 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, Fairfax, 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 1965 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1965	4.3	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1
1966	5.0	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9
1967	4.4	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8
1968	4.6	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	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	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976	3.9	3.8	3.5	4.2	3.9	4.4	4.8	4.2	5.1	4.4	3.5	3.0	2.2
1977		3.8 ^P											
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
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	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	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	3.0	2.4	1.7	1.3
1976	2.6	2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5	3.2	2.5	1.9	1.3
1977		2.2 ^P											
Total separations													
1965	4.1	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1
1966	4.6	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2
1967	4.6	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9
1968	4.6	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8
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	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6	4.4	4.6	4.3	4.0	3.5	3.4
1976	3.8	3.7	3.1	3.5	3.5	3.4	3.5	4.3	4.9	4.6	4.1	3.4	3.5
1977		4.0 ^P											
Quits													
1965	1.9	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4
1966	2.6	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7
1967	2.3	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5
1968	2.5	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6
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	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976	1.7	1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8	2.4	1.7	1.2	1.0
1977		1.4 ^P											
Layoffs													
1965	1.4	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9
1966	1.2	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7
1967	1.4	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6
1968	1.2	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4
1969	1.2	1.2	1.0	1.0	.9	.9	.9	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	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.9	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5	2.0	1.3	1.4	1.6	1.7	1.9
1976	1.3	1.6	1.1	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977		1.8 ^P											

p=preliminary.

ESTABLISHMENT DATA

LABOR TURNOVER

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P
	MANUFACTURING	3.9	2.2	3.8	2.6	1.3	2.2	3.8	3.5	4.0	1.7	1.0	1.4	1.3	1.8	1.8
19,24, 25,32-39	DURABLE GOODS	3.5	2.0	3.7	2.2	1.1	2.1	3.4	2.9	3.9	1.4	.8	1.2	1.2	1.5	1.9
20-23, 26-31	NONDURABLE GOODS	4.4	2.4	3.9	3.1	1.5	2.4	4.4	4.2	4.1	2.2	1.3	1.7	1.5	2.2	1.7
	DURABLE GOODS															
19	ORDNANCE AND ACCESSORIES	1.6	.9	-	.8	.5	-	1.7	1.1	-	.5	.3	-	.7	.4	-
192	Ammunition, except for small arms	1.5	.8	-	.6	.3	-	1.7	1.0	-	.4	.3	-	.7	.4	-
24	LUMBER AND WOOD PRODUCTS	5.5	3.0	5.0	4.3	2.2	3.5	5.2	4.5	5.9	3.0	1.8	2.4	1.3	2.0	2.6
242	Sawmills and planing mills	5.0	2.7	-	4.0	2.1	-	4.6	3.5	-	2.8	1.8	-	1.0	1.1	-
2421	Sawmills and planing mills, general	4.7	2.6	-	3.7	2.0	-	4.3	3.6	-	2.6	1.7	-	.9	1.2	-
243	Millwork, plywood and related products	5.8	2.9	-	4.7	2.3	-	5.3	4.3	-	3.1	1.8	-	1.2	1.8	-
2431	Millwork	5.8	3.1	-	5.0	2.5	-	5.4	4.5	-	3.3	2.0	-	1.2	1.7	-
2432	Veneer and plywood	4.7	2.4	-	4.0	2.0	-	4.1	2.9	-	2.7	1.5	-	.6	.7	-
244	Wooden containers	7.4	4.8	-	5.8	3.2	-	7.3	7.4	-	4.6	3.4	-	1.9	3.4	-
2441,2	Wooden boxes, shooks, and crates	7.0	4.0	-	5.7	3.6	-	6.9	7.4	-	4.5	3.0	-	1.6	3.7	-
249	Miscellaneous wood products	5.8	3.5	-	4.7	2.3	-	5.7	4.5	-	3.3	1.9	-	1.3	1.7	-
25	FURNITURE AND FIXTURES	5.3	2.6	5.2	4.2	1.9	3.7	5.3	4.2	5.2	3.0	1.6	2.5	1.3	1.8	1.6
251	Household furniture	5.4	2.6	-	4.5	2.0	-	5.6	4.7	-	3.4	1.9	-	1.1	2.1	-
2511	Wood household furniture	5.8	2.4	-	4.9	2.1	-	5.9	5.0	-	3.7	2.1	-	1.0	2.1	-
2512	Upholstered household furniture	4.6	2.3	-	3.9	1.6	-	5.0	3.6	-	3.1	1.5	-	1.0	1.5	-
2515	Mattresses and bedsprings	4.1	2.4	-	3.2	1.5	-	4.7	4.9	-	2.4	1.3	-	1.2	3.0	-
252	Office furniture	3.9	2.5	-	2.5	2.1	-	3.3	2.0	-	1.3	.9	-	1.2	.3	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.9	2.0	4.3	2.4	1.2	1.7	3.8	4.7	6.7	1.5	.9	1.1	1.4	3.1	4.9
321	Flat glass	2.4	.6	-	.7	.1	-	2.3	4.8	-	.4	.3	-	1.3	4.0	-
322	Glass and glassware, pressed or blown	3.3	2.1	-	1.8	.7	-	3.2	2.8	-	1.1	.5	-	1.1	1.7	-
3221	Glass containers	3.3	1.3	-	2.1	.7	-	3.1	2.7	-	1.4	.5	-	1.0	1.7	-
3229	Pressed and blown glass, nec	3.4	3.2	-	1.4	.8	-	3.4	3.1	-	.8	.6	-	1.3	1.8	-
324	Cement, hydraulic	3.0	.6	-	.9	.3	-	2.8	3.8	-	.5	.2	-	1.7	3.1	-
325	Structural clay products	5.1	2.4	-	3.8	1.7	-	5.1	6.4	-	2.6	1.5	-	1.5	4.0	-
3251	Brick and structural clay tile	6.7	3.3	-	5.4	2.7	-	6.9	9.3	-	3.8	2.5	-	1.9	5.6	-
326	Pottery and related products	3.3	2.0	-	2.4	1.1	-	3.3	3.7	-	1.5	.8	-	.9	2.2	-
3291	Abrasive products	2.6	1.6	-	1.8	1.2	-	2.1	1.7	-	.9	.5	-	.4	.2	-
33	PRIMARY METAL INDUSTRIES	3.0	2.0	2.9	1.2	.5	1.0	2.9	3.0	3.3	.7	.4	.5	1.3	2.0	2.0
331	Blast furnace and basic steel products	3.3	2.7	-	.7	.1	-	3.1	3.9	-	.4	.1	-	1.9	3.1	-
3312	Blast furnaces and steel mills	3.2	2.8	-	.7	.1	-	3.1	4.1	-	.3	.1	-	1.9	3.3	-
332	Iron and steel foundries	2.9	1.7	-	1.7	.9	-	3.0	2.7	-	1.1	.7	-	1.1	1.5	-
3321	Gray iron foundries	3.0	1.7	-	1.9	.9	-	2.8	2.6	-	1.2	.8	-	.9	1.4	-
3322	Malleable iron foundries	3.2	1.2	-	1.4	.5	-	2.8	2.9	-	.9	.4	-	1.1	2.1	-
3323	Steel foundries	2.6	1.7	-	1.3	.9	-	3.5	2.8	-	1.0	.6	-	1.6	1.4	-
333,4	Nonferrous metals	2.6	1.4	-	1.6	.9	-	2.2	1.5	-	.8	.4	-	.5	.5	-
335	Nonferrous rolling and drawing	2.4	1.2	-	1.2	.5	-	2.0	1.7	-	.6	.3	-	.6	.8	-
3351	Copper rolling and drawing	2.6	.9	-	1.7	.4	-	2.1	2.3	-	.7	.3	-	.6	1.3	-
3352	Aluminum rolling and drawing	2.5	1.3	-	1.0	.4	-	1.9	1.5	-	.5	.2	-	.7	.9	-
3357	Nonferrous wire drawing, and insulating	2.3	1.2	-	1.0	.5	-	2.0	1.5	-	.6	.3	-	.6	.7	-
336	Nonferrous foundries	4.1	2.2	-	2.8	1.4	-	3.6	2.9	-	1.6	1.1	-	1.1	1.2	-
3361	Aluminum castings	4.5	2.2	-	3.1	1.6	-	3.5	2.9	-	1.7	1.1	-	1.1	1.2	-
3362,9	Other nonferrous castings	3.8	2.3	-	2.5	1.3	-	3.8	2.9	-	1.7	1.0	-	1.2	1.1	-
339	Miscellaneous primary metal products	2.4	1.1	-	1.3	.6	-	2.5	2.2	-	.8	.4	-	1.0	1.3	-
3391	Iron and steel forgings	2.2	1.0	-	1.2	.6	-	2.6	2.4	-	.7	.3	-	1.2	1.4	-
34	FABRICATED METAL PRODUCTS	4.0	2.3	-	2.7	1.3	-	3.8	3.2	-	1.5	.9	-	1.4	1.5	-
341	Metal cans	5.4	4.5	-	1.1	.3	-	6.1	6.5	-	.7	.3	-	4.0	4.8	-
342	Cultery, hand tools, and hardware	3.3	1.7	-	2.5	1.2	-	2.8	2.2	-	1.3	.9	-	.8	.7	-
3421,3,5	Cultery and hand tools, incl. saws	3.1	1.8	-	2.3	1.4	-	2.9	2.5	-	1.4	1.0	-	.9	.8	-
3429	Hardware, nec	3.4	1.6	-	2.6	1.1	-	2.7	2.0	-	1.3	.8	-	.7	.7	-
343	Plumbing and heating, except electric	4.0	2.6	-	2.9	1.6	-	3.3	2.0	-	1.6	.8	-	1.0	.7	-
3431,2	Sanitary ware and plumbers' brass goods	3.6	2.3	-	2.7	1.7	-	3.2	2.2	-	1.5	.7	-	.9	1.0	-
3433	Heating equipment, except electric	4.3	2.9	-	3.1	1.5	-	3.4	1.9	-	1.6	.8	-	1.0	.5	-
344	Fabricated structural metal products	3.9	2.0	-	2.9	1.4	-	4.2	3.3	-	1.8	1.1	-	1.6	1.5	-
3441	Fabricated structural steel	3.8	2.4	-	2.6	1.4	-	4.7	3.5	-	1.7	.9	-	2.1	1.8	-
3443	Fabricated plate work (boiler shops)	2.2	1.2	-	1.6	.9	-	2.7	1.9	-	1.0	.6	-	1.0	.8	-
3446,9	Architectural and misc. metal work	4.3	1.9	-	3.1	1.5	-	4.3	3.4	-	2.1	1.2	1-	1.4	1.3	-
345	Screw machine products, bolts, etc.	3.4	1.8	-	2.5	1.4	-	2.9	2.1	-	1.4	.9	-	.6	.6	-
3452	Bolts, nuts, rivets, and washers	2.7	1.6	-	1.9	1.1	-	2.5	1.6	-	1.1	.6	-	.6	.4	-

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

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

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P
DURABLE GOODS—Continued																
FABRICATED METAL PRODUCTS — Continued																
346	Metal stampings	3.7	1.6	-	2.2	0.9	-	3.1	2.8	-	1.1	0.5	-	1.1	1.4	-
348	Miscellaneous fabricated wire products	4.6	2.4	-	3.3	1.7	-	4.0	2.8	-	2.0	1.3	-	1.2	1.0	-
349	Miscellaneous fabricated metal products	3.2	1.8	-	2.4	1.3	-	2.9	2.0	-	1.4	.7	-	.8	.7	-
3494,8	Valves, pipe, and pipe fittings	2.8	1.6	-	2.1	1.3	-	2.6	1.6	-	1.2	.6	-	.7	.5	-
35	MACHINERY, EXCEPT ELECTRICAL	2.7	1.8	3.4	1.7	1.1	1.9	2.5	1.9	3.1	1.0	.6	1.0	.8	.7	1.4
351	Engines and turbines	2.1	1.1	-	.8	.3	-	2.1	1.2	-	.4	.2	-	.8	.2	-
3511	Steam engines and turbines	1.4	1.1	-	.7	.4	-	1.4	1.3	-	.3	.1	-	.1	(¹)	-
3519	Internal combustion engines, nec	2.5	1.1	-	.9	.3	-	2.6	1.2	-	.5	.3	-	1.1	.2	-
352	Farm machinery	3.1	2.1	-	1.8	1.4	-	2.9	2.4	-	1.1	.6	-	1.0	1.1	-
353	Construction and related machinery	2.6	2.3	-	1.4	.7	-	2.8	2.6	-	.9	.5	-	1.2	1.7	-
3531,2	Construction and mining machinery	2.5	3.1	-	.9	.4	-	2.9	3.7	-	.7	.3	-	1.7	3.0	-
3533	Oil field machinery	2.7	1.4	-	2.3	1.1	-	2.8	1.4	-	1.6	.8	-	.4	(¹)	-
3535,6	Conveyors, hoists, cranes, monorails	2.3	1.0	-	1.8	.8	-	2.2	1.0	-	.9	.4	-	.7	.3	-
354	Metal working machinery	2.7	1.7	-	1.7	1.2	-	2.3	1.9	-	.9	.6	-	.7	.8	-
3541	Machine tools, metal cutting types	1.9	1.3	-	1.0	1.0	-	1.6	1.4	-	.6	.4	-	.5	.6	-
3545	Machine tool accessories	2.1	1.3	-	1.4	1.0	-	1.9	1.9	-	.9	.6	-	.5	.7	-
3542,8	Misc. metal working machinery	2.4	1.5	-	1.5	1.0	-	2.4	2.3	-	.9	.6	-	1.0	1.2	-
355	Special industry machinery	2.3	1.6	-	1.5	1.1	-	2.2	1.6	-	.9	.6	-	.7	.5	-
3551	Food products machinery	2.4	1.9	-	1.5	1.1	-	2.2	1.3	-	.9	.5	-	.8	.3	-
3552	Textile machinery	3.0	1.6	-	1.8	1.0	-	3.1	2.3	-	1.2	.7	-	1.1	1.1	-
356	General industrial machinery	2.3	1.5	-	1.5	1.0	-	2.1	1.5	-	.8	.5	-	.6	.5	-
3561	Pumps and compressors	2.1	1.6	-	1.3	1.0	-	2.0	1.7	-	.8	.4	-	.5	.6	-
3562	Ball and roller bearings	1.9	.8	-	1.0	.5	-	1.6	1.4	-	.5	.3	-	.5	.7	-
3566	Power transmission equipment	2.1	1.4	-	1.2	.8	-	2.0	1.2	-	.8	.5	-	.7	.2	-
357	Office and computing machines	2.4	2.2	-	1.8	1.7	-	2.0	1.5	-	.9	.7	-	.4	.2	-
3573	Electronic computing equipment	2.5	2.2	-	1.9	1.7	-	1.9	1.6	-	.8	.8	-	.3	.2	-
358	Service industry machines	3.5	1.7	-	2.2	1.1	-	2.9	1.9	-	1.2	.7	-	.8	.6	-
3585	Refrigeration machinery	3.6	1.6	-	2.1	.9	-	3.1	1.8	-	1.1	.5	-	.9	.6	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.1	1.6	-	1.9	1.0	-	2.9	2.2	-	1.2	.7	-	.8	.8	-
361	Electric test and distributing equipment	2.7	1.4	-	1.8	.9	-	2.5	1.6	-	1.2	.7	-	.5	.4	-
3611	Electric measuring instruments	2.3	1.6	-	1.7	1.1	-	2.1	1.6	-	1.2	1.0	-	.3	.2	-
3612	Transformers	3.1	1.3	-	1.8	.8	-	3.0	1.9	-	1.0	.5	-	.8	.8	-
3613	Switchgear and switchboard apparatus	2.9	1.2	-	2.0	.7	-	2.7	1.4	-	1.3	.6	-	.6	.3	-
362	Electrical industrial apparatus	2.9	1.8	-	1.8	1.1	-	2.5	1.9	-	1.1	.7	-	.6	.5	-
3621	Motors and generators	3.0	1.8	-	1.8	1.2	-	2.6	2.3	-	1.1	.8	-	.7	.7	-
3622	Industrial controls	2.6	1.6	-	1.6	.9	-	2.4	1.6	-	1.0	.5	-	.5	.4	-
363	Household appliances	4.7	2.8	-	2.1	1.1	-	4.4	3.1	-	1.5	.8	-	1.7	1.5	-
3632	Household refrigerators and freezers	6.8	6.2	-	.7	.5	-	6.5	2.8	-	.9	.3	-	3.8	1.2	-
3633	Household laundry equipment	3.3	1.2	-	1.5	.4	-	3.0	.9	-	.7	.2	-	1.3	.3	-
3634	Electric housewares and fans	4.8	1.7	-	3.2	1.1	-	4.6	5.0	-	2.4	1.4	-	1.5	3.0	-
364	Electric lighting and wiring equipment	3.3	1.4	-	2.3	.9	-	3.0	2.4	-	1.3	.7	-	.9	1.1	-
3641	Electric lamps	2.7	1.0	-	1.3	.5	-	2.2	1.2	-	.7	.4	-	.6	.3	-
3642	Lighting fixtures	3.7	1.4	-	2.6	.8	-	3.6	2.9	-	1.5	.8	-	1.2	1.4	-
3643,4	Wiring devices	3.4	1.6	-	2.5	1.0	-	2.9	2.5	-	1.4	.7	-	.8	1.2	-
365	Radio and TV receiving equipment	4.3	1.4	-	2.0	.6	-	4.9	4.0	-	1.4	1.0	-	2.1	2.0	-
366	Communication equipment	1.7	1.1	-	1.1	.7	-	1.8	1.3	-	.6	.5	-	.6	.3	-
3661	Telephone and telegraph apparatus	1.3	.7	-	.6	.4	-	1.4	1.1	-	.4	.3	-	.5	.2	-
3662	Radio and TV communication equipment	1.9	1.3	-	1.3	.8	-	2.0	1.5	-	.8	.6	-	.6	.4	-
367	Electronic components and accessories	3.8	2.1	-	2.7	1.4	-	3.3	2.8	-	1.7	1.0	-	.7	1.1	-
3671-3	Electron tubes	2.7	1.8	-	1.1	1.0	-	3.7	7.2	-	.7	.6	-	1.7	5.6	-
3674,9	Other electronic components	4.0	2.1	-	2.9	1.5	-	3.3	2.3	-	1.7	1.0	-	.6	.6	-
369	Miscellaneous electrical equipment and supplies	2.8	1.3	-	1.7	.9	-	2.3	1.7	-	1.0	.7	-	.6	.4	-
3694	Engine electrical equipment	2.5	1.0	-	1.4	.6	-	2.1	1.6	-	.8	.5	-	.5	.4	-
37	TRANSPORTATION EQUIPMENT	3.7	1.8	-	2.1	.9	-	3.5	2.9	-	1.2	.6	-	1.5	1.6	-
371	Motor vehicles and equipment	3.4	1.2	-	1.7	.5	-	2.9	1.8	-	.8	.4	-	1.2	.7	-
3711	Motor vehicles	3.5	1.2	-	1.6	.4	-	3.2	1.8	-	.7	.4	-	1.6	.7	-
3712	Passenger car bodies	2.7	.4	-	1.3	(¹)	-	2.3	1.3	-	.5	.2	-	1.1	.4	-
3713	Truck and bus bodies	4.2	1.9	-	2.6	1.4	-	3.4	2.1	-	1.7	1.1	-	.9	.3	-
3714	Motor vehicle parts and accessories	3.1	1.2	-	1.6	.5	-	2.6	1.7	-	.7	.3	-	1.0	.7	-
372	Aircraft and parts	1.4	.8	-	.8	.4	-	1.8	1.0	-	.5	.3	-	.8	.2	-
3721	Aircraft	1.4	.6	-	.8	.3	-	1.7	.8	-	.5	.3	-	.8	.2	-
3722	Aircraft engines and engine parts	1.1	.8	-	.5	.3	-	1.3	1.0	-	.3	.2	-	.4	.2	-
3723,9	Other aircraft parts and equipment	2.1	1.4	-	1.4	.9	-	2.8	1.6	-	.9	.5	-	1.3	.6	-
373	Ship and boat building and repairing	6.7	4.8	-	4.2	3.1	-	6.1	4.9	-	2.4	1.4	-	2.5	2.7	-
3731	Ship building and repairing	6.7	4.9	-	3.8	2.9	-	6.3	4.9	-	2.1	1.1	-	2.9	2.9	-
374	Railroad equipment	4.3	3.1	-	.6	.7	-	5.1	3.2	-	.4	.3	-	3.5	2.2	-
375,9	Other transportation equipment	9.7	4.2	-	6.8	2.3	-	8.7	13.9	-	4.0	2.2	-	3.0	10.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P	Avg. 1976	Dec. 1976	Jan. 1977 ^P
DURABLE GOODS—Continued																
38	INSTRUMENTS AND RELATED PRODUCTS ..	2.6	1.5	2.9	2.0	1.1	2.1	2.4	1.6	2.9	1.2	.7	1.2	0.5	0.4	0.8
381	Engineering and scientific instruments ..	1.6	1.2	-	1.2	.8	-	1.9	1.4	-	.9	.6	-	.6	.3	-
382	Mechanical measuring and control devices ..	2.9	2.0	-	2.0	1.2	-	2.5	1.5	-	1.2	.8	-	.5	.1	-
3821	Mechanical measuring devices ..	2.4	1.9	-	1.8	1.3	-	2.1	1.4	-	1.1	.8	-	.4	.1	-
3822	Automatic temperature controls ..	3.9	2.1	-	2.4	1.1	-	3.3	1.8	-	1.3	.9	-	.7	(¹)	-
383,5	Optical and ophthalmic goods ..	3.0	1.7	-	2.4	1.6	-	2.7	1.9	-	1.4	.8	-	.7	.6	-
384	Medical instruments and supplies ..	3.2	1.9	-	2.7	1.4	-	2.9	1.9	-	1.6	1.0	-	.6	.4	-
386	Photographic equipment and supplies ..	1.7	.7	-	1.5	.5	-	1.3	.7	-	.7	.2	-	.2	.1	-
387	Watches, clocks, and watchcases ..	3.9	2.1	-	2.1	1.2	-	4.1	3.6	-	1.8	.8	-	1.1	2.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES ..	5.4	2.4	6.3	3.9	1.7	2.8	5.3	6.8	5.2	2.3	1.5	2.0	1.9	4.5	2.2
391	Jewelry, silverware, and plated ware ..	4.5	1.9	-	3.3	1.4	-	4.6	3.9	-	2.1	1.5	-	1.6	1.7	-
394	Toys and sporting goods ..	7.9	3.3	-	5.3	2.0	-	7.6	13.6	-	3.0	1.7	-	3.1	10.9	-
3941-3	Games, toys, dolls, and play vehicles ..	9.7	3.2	-	6.2	1.5	-	9.7	23.0	-	3.4	1.7	-	4.5	20.2	-
3949	Sporting and athletic goods, nec ..	5.6	3.4	-	4.1	2.5	-	5.2	4.3	-	2.4	1.7	-	1.7	1.6	-
395	Pens, pencils, office and art supplies ..	3.5	1.8	-	2.8	1.4	-	3.3	3.1	-	1.7	1.1	-	.9	1.3	-
396	Costume jewelry and notions ..	5.4	3.3	-	4.0	2.5	-	5.8	6.1	-	3.0	2.6	-	1.9	2.8	-
393,9	Other manufacturing industries ..	4.2	1.9	-	3.2	1.4	-	4.0	3.9	-	1.8	1.2	-	1.3	2.1	-
NONDURABLE GOODS																
20	FOOD AND KINDRED PRODUCTS ..	6.0	3.2	4.6	4.1	1.9	2.7	6.0	5.8	5.7	2.6	1.6	1.9	2.5	3.5	3.0
201	Meat products ..	6.2	3.7	-	4.6	2.4	-	6.0	6.1	-	3.6	2.2	-	1.5	2.9	-
2011	Meat packing plants ..	4.4	3.1	-	2.6	1.5	-	4.2	4.6	-	1.6	1.0	-	1.8	2.5	-
2015	Poultry dressing plants ..	10.2	5.2	-	8.6	4.3	-	9.6	9.6	-	7.7	4.6	-	.8	4.1	-
204	Grain mill products ..	3.4	2.4	-	2.5	1.7	-	3.4	2.6	-	1.7	1.3	-	1.0	.7	-
2041	Flour and other grain mill products ..	2.8	2.3	-	2.0	1.6	-	2.8	2.0	-	1.3	.9	-	.9	.5	-
2042	Prepared feeds for animals and fowls ..	3.8	2.7	-	3.2	2.4	-	3.8	3.0	-	2.3	1.9	-	.8	.5	-
205	Bakery products ..	3.1	1.6	-	2.5	1.3	-	3.0	2.4	-	1.7	1.1	-	.7	.9	-
2051	Bread, cake, and related products ..	2.9	1.6	-	2.6	1.3	-	2.8	2.3	-	1.8	1.1	-	.5	.7	-
2052	Cookies and crackers ..	3.8	1.8	-	2.2	.9	-	4.1	3.3	-	1.4	.9	-	2.0	1.7	-
207	Confectionery and related products ..	6.3	3.9	-	3.0	2.1	-	5.9	5.5	-	1.9	1.3	-	3.3	3.5	-
2071	Confectionery products ..	7.3	4.7	-	3.4	2.5	-	7.0	6.9	-	2.3	1.6	-	3.9	4.6	-
208	Beverages ..	4.8	3.3	-	3.3	2.0	-	4.6	3.8	-	2.1	1.4	-	1.6	1.6	-
2082	Malt liquors ..	4.0	2.3	-	1.6	.5	-	3.9	3.4	-	.6	.3	-	2.6	2.3	-
21	TOBACCO MANUFACTURES ..	4.9	1.8	-	2.1	1.1	-	4.1	4.8	-	.9	.5	-	2.5	3.7	-
211	Cigarettes ..	1.2	.6	-	.6	.2	-	1.1	.7	-	.4	.2	-	.1	(¹)	-
212	Cigars ..	3.4	.7	-	1.9	.3	-	3.6	2.1	-	2.0	.9	-	1.0	.9	-
22	TEXTILE MILL PRODUCTS ..	4.8	2.7	4.2	3.6	1.7	3.1	4.8	3.8	4.2	2.9	1.5	2.2	1.0	1.5	1.2
221	Weaving mills, cotton ..	4.6	2.1	-	3.4	1.4	-	4.4	2.7	-	3.0	1.6	-	.2	.3	-
222	Weaving mills, synthetics ..	4.6	2.3	-	3.9	1.9	-	4.5	2.9	-	3.2	1.6	-	.3	.6	-
223	Weaving and finishing mills, wool ..	5.0	4.1	-	3.6	2.3	-	4.7	2.9	-	2.6	1.6	-	1.3	.8	-
224	Narrow fabric mills ..	5.1	2.9	-	3.8	1.7	-	5.2	3.7	-	2.7	1.4	-	1.4	1.6	-
225	Knitting mills ..	5.1	3.2	-	3.5	1.7	-	5.3	5.0	-	2.7	1.5	-	1.7	2.8	-
2251	Women's hosiery, except socks ..	4.3	1.9	-	3.5	1.6	-	4.5	3.9	-	2.9	1.8	-	.9	1.6	-
2252	Hosiery, nec ..	4.0	1.4	-	3.4	1.1	-	4.3	2.8	-	3.1	1.7	-	.7	.5	-
2254	Knit underwear mills ..	4.4	2.3	-	3.7	1.9	-	4.1	2.4	-	2.9	1.4	-	.4	.3	-
226	Textile finishing, except wool ..	3.2	1.9	-	2.4	1.2	-	3.7	2.9	-	1.8	.9	-	1.1	1.5	-
227	Floor covering mills ..	4.1	2.7	-	3.2	2.0	-	4.0	3.2	-	2.2	1.5	-	.9	1.0	-
228	Yarn and thread mills ..	5.8	3.1	-	4.7	2.3	-	6.0	4.0	-	3.9	2.1	-	.8	.9	-
229	Miscellaneous textile goods ..	4.1	2.5	-	2.8	1.5	-	4.3	5.1	-	1.9	.9	-	1.2	3.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Avg. 1976	Dec. 1976	Jan. 1977 ^p	Avg. 1976	Dec. 1976	Jan. 1977 ^p	Avg. 1976	Dec. 1976	Jan. 1977 ^p	Avg. 1976	Dec. 1976	Jan. 1977 ^p	Avg. 1976	Dec. 1976	Avg. 1977 ^p
NONDURABLE GOODS—Continued																
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.7	3.0	5.9	3.8	1.6	3.3	6.1	6.2	5.8	3.0	1.6	2.5	2.2	3.9	2.5
231	Men's and boys' suits and coats	4.7	3.0	-	2.6	1.3	-	4.5	3.7	-	1.8	1.1	-	1.8	2.1	-
232	Men's and boys' furnishings	5.6	2.8	-	4.3	1.6	-	5.9	4.9	-	3.8	2.0	-	1.3	2.3	-
2321	Men's and boys' shirts and nightwear	5.5	1.7	-	4.1	1.0	-	5.5	3.8	-	3.6	1.6	-	1.0	1.5	-
2327	Men's and boys' separate trousers	4.5	2.4	-	3.7	1.3	-	4.8	2.6	-	3.5	1.6	-	.6	.6	-
2328	Men's and boys' work clothing	6.4	3.9	-	5.3	2.6	-	6.3	5.1	-	4.8	3.0	-	.6	1.5	-
234	Women's and children's undergarments	5.7	2.2	-	4.1	1.3	-	5.8	5.1	-	3.4	1.7	-	1.5	2.8	-
2341	Women's and children's underwear	6.3	2.4	-	4.5	1.3	-	6.4	5.5	-	3.9	1.9	-	1.6	3.0	-
2342	Corsets and allied garments	3.9	1.6	-	2.7	1.1	-	4.1	3.8	-	2.0	1.0	-	1.4	2.0	-
26	PAPER AND ALLIED PRODUCTS	2.8	1.6	2.3	1.9	.9	1.4	2.8	2.4	3.0	1.2	.7	1.0	.9	1.2	1.3
261,2,6	Paper and pulp mills	1.9	1.4	-	1.2	.7	-	1.8	1.7	-	.8	.4	-	.5	.8	-
263	Paperboard mills	2.1	1.3	-	1.6	.9	-	1.9	2.0	-	.9	.5	-	.5	1.0	-
264	Miscellaneous converted paper products	3.2	1.9	-	2.3	1.2	-	3.4	2.4	-	1.4	.9	-	1.2	1.0	-
2643	Bags, except textile bags	3.9	2.2	-	2.8	1.8	-	4.1	2.6	-	1.7	1.2	-	1.5	1.0	-
265	Paperboard containers and boxes	3.6	1.7	-	2.5	.9	-	3.5	3.2	-	1.5	.7	-	1.1	1.8	-
2651,2	Folding and setup paperboard boxes	4.2	2.0	-	2.8	1.0	-	4.2	5.0	-	1.5	.9	-	1.7	3.4	-
2653	Corrugated and solid fiber boxes	2.9	1.3	-	2.2	.9	-	2.7	2.1	-	1.4	.6	-	.6	.9	-
27	PRINTING AND PUBLISHING	3.0	2.1	2.9	2.3	1.5	2.2	2.9	3.1	2.8	1.6	1.3	1.4	.8	1.3	.8
28	CHEMICALS AND ALLIED PRODUCTS	1.9	1.1	2.0	1.3	.7	1.3	1.8	1.7	1.8	.7	.4	.6	.5	.7	.5
281	Industrial chemicals	1.6	.8	-	1.1	.5	-	1.2	1.3	-	.5	.3	-	.2	.4	-
282	Plastics materials and synthetics	1.5	.8	-	.9	.4	-	1.6	1.6	-	.6	.3	-	.5	.9	-
2821	Plastics materials and resins	1.9	.8	-	1.3	.6	-	1.5	1.1	-	.6	.3	-	.3	.3	-
2823,4	Synthetic fibers	1.2	.7	-	.5	.2	-	1.7	2.2	-	.5	.3	-	.8	1.5	-
283	Drugs	1.7	.9	-	1.3	.7	-	1.5	1.2	-	.7	.5	-	.2	.3	-
2834	Pharmaceutical preparations	1.8	1.0	-	1.4	.8	-	1.5	1.1	-	.8	.5	-	.3	.3	-
284	Soap, cleaners, and toilet goods	2.9	1.4	-	2.0	1.0	-	2.9	3.3	-	1.1	.6	-	1.0	2.0	-
2841	Soap and other detergents	2.0	1.1	-	1.2	.6	-	2.1	3.1	-	.6	.3	-	.8	2.1	-
2844	Toilet preparations	3.8	1.5	-	2.7	1.1	-	3.8	4.2	-	1.4	.7	-	1.4	2.6	-
285	Paints and allied products	2.3	.9	-	1.9	.6	-	2.2	2.1	-	1.1	.6	-	.5	1.0	-
286,9	Other chemical products	2.3	1.8	-	1.6	1.4	-	2.2	1.7	-	.8	.6	-	.6	.5	-
29	PETROLEUM AND COAL PRODUCTS	2.0	1.5	2.4	1.5	.9	1.7	2.0	2.5	2.6	.7	.4	.5	.7	1.6	1.4
291	Petroleum refining	1.4	1.0	-	1.2	.8	-	1.4	1.6	-	.4	.3	-	.5	.9	-
295,9	Other petroleum and coal products	4.0	3.2	-	2.8	1.3	-	3.9	5.7	-	1.7	.9	-	1.4	4.0	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	4.9	2.6	4.3	3.6	1.7	2.8	4.5	3.8	3.9	2.3	1.3	1.8	1.1	1.7	1.2
301	Tires and inner tubes	1.8	1.5	-	1.0	.9	-	1.5	1.4	-	.6	.4	-	.3	.3	-
302,3,6	Other rubber products	4.2	2.3	-	3.1	1.4	-	3.7	2.9	-	1.9	1.2	-	.9	1.0	-
307	Miscellaneous plastics products	6.0	3.1	-	4.6	2.1	-	5.7	4.9	-	2.9	1.6	-	1.6	2.5	-
31	LEATHER AND LEATHER PRODUCTS	6.5	3.5	6.9	4.5	2.3	3.5	7.1	6.8	6.0	3.7	2.1	2.9	2.2	3.7	1.9
311	Leather tanning and finishing	4.2	3.7	-	3.2	2.1	-	5.1	3.4	-	2.2	1.2	-	1.7	1.5	-
314	Footwear, except rubber	6.7	4.0	-	4.7	2.6	-	7.1	5.5	-	4.2	2.3	-	1.8	2.2	-
NONMANUFACTURING																
10	METAL MINING	3.2	3.2	2.0	2.2	1.4	1.5	3.0	2.8	2.5	1.3	.8	1.1	.8	1.2	.7
101	Iron ores	2.7	1.4	-	1.4	.5	-	2.6	5.2	-	.6	.2	-	1.0	4.1	-
102	Copper ores	3.2	4.7	-	1.7	1.2	-	2.8	1.1	-	.9	.5	-	1.1	.1	-
11,12	COAL MINING	2.0	1.5	1.8	1.5	.9	1.3	1.8	.9	1.4	.8	.5	.6	.3	(¹)	.1
12	Bituminous coal and lignite mining	2.0	1.5	-	1.5	.9	-	1.8	.9	-	.8	.6	-	.3	(¹)	-
COMMUNICATION:																
481	Telephone communication	.6	.5	-	-	-	-	3.7	.5	-	.3	.2	-	.1	.1	-
482	Telegraph communication ²	(*)	(*)	-	-	-	-	(*)	(*)	-	(*)	(*)	-	(*)	(*)	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

* Not available.
p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1965	4.1	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	4.9
1966	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
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	4.3	4.4	4.2	4.3	4.4	4.4	4.5	4.5	4.9
1973	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.7	4.6	4.8	4.9	4.7
1974	4.6	4.5	4.5	4.6	4.6	4.3	4.3	4.1	3.9	3.6	3.1	3.1
1975	3.1	3.2	3.2	3.7	3.6	3.7	4.0	3.9	3.8	3.7	3.7	3.9
1976	4.1	4.2	4.4	4.1	4.0	3.8	3.8	3.8	3.6	3.5	3.8	4.0
1977	4.1 ^P											
New hires												
1965	2.9	3.0	3.1	2.9	2.9	3.0	3.0	3.1	3.1	3.3	3.5	3.7
1966	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.1	3.3	3.3	3.4	3.5
1968	3.3	3.3	3.4	3.5	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970	3.4	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	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.6	3.8
1973	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.6	3.8	3.9	3.8
1974	3.7	3.6	3.6	3.6	3.5	3.3	3.3	3.1	2.9	2.6	2.2	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2	2.2	2.5
1976	2.6	2.8	3.0	2.8	2.7	2.7	2.5	2.5	2.4	2.3	2.4	2.5
1977	2.7 ^P											
Total separations												
1965	3.8	3.8	3.8	4.0	4.0	4.0	3.9	4.4	4.1	4.3	4.3	4.5
1966	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
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	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.5
1973	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.7	4.7
1974	4.9	4.9	4.8	4.7	4.6	4.6	4.5	4.5	4.5	4.9	5.1	4.9
1975	5.2	5.0	4.5	4.4	4.6	4.3	3.9	3.8	3.9	3.8	3.8	3.6
1976	3.5	3.6	3.8	3.8	3.8	3.9	3.9	4.0	4.1	4.0	3.6	3.6
1977	3.9 ^P											
Quits												
1965	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
1967	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.3	2.4
1968	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970	2.5	2.5	2.3	2.3	2.1	2.1	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	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.7
1974	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.6
1975	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.4	1.6	1.6
1976	1.6	1.7	1.8	1.8	1.7	1.8	1.7	1.7	1.6	1.5	1.5	1.7
1977	1.8 ^P											
Layoffs												
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.4	1.4	1.4
1966	1.2	1.1	1.1	1.1	1.1	1.2	1.5	1.2	1.0	1.1	1.2	1.3
1967	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.1
1969	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.6	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	1.1	1.4	1.3	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.8	.8	1.1	.9	.9	.9	.9	1.0
1974	1.3	1.2	1.1	1.0	1.1	1.2	1.2	1.3	1.5	2.0	2.4	2.4
1975	2.9	2.9	2.6	2.4	2.5	2.2	1.7	1.6	1.8	1.7	1.5	1.3
1976	1.1	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.7	1.6	1.3	1.1
1977	1.3 ^P											

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		Total		Quits		Layoffs	
	Nov. 1976	Dec. 1976 ^b	Nov. 1976	Dec. 1976 ^b	Nov. 1976	Dec. 1976 ^b	Nov. 1976	Dec. 1976 ^b	Nov. 1976	Dec. 1976 ^b
ALABAMA:										
Birmingham	2.7	1.3	0.9	0.6	1.9	1.9	0.6	0.5	0.7	0.8
Mobile	4.2	4.2	1.4	1.1	13.8	10.4	1.8	1.3	11.2	8.7
ALASKA	8.3	8.9	6.9	4.8	16.0	18.7	7.9	4.6	6.4	12.9
ARIZONA	3.7	2.7	2.7	2.1	3.4	2.8	1.5	1.4	1.0	.7
Phoenix	3.8	2.8	2.7	2.2	3.0	2.6	1.4	1.2	.7	.6
ARKANSAS	4.5	3.4	3.6	2.6	4.8	4.9	2.8	2.2	1.1	2.0
Fort Smith	3.4	3.4	2.0	1.9	4.6	6.1	2.1	2.7	1.2	2.1
Little Rock-North Little Rock	4.1	3.0	3.2	2.4	3.9	6.0	2.6	1.7	.6	3.5
Pine Bluff	2.8	5.2	2.4	4.5	3.1	2.7	2.1	1.9	.6	.4
COLORADO	3.8	2.8	3.0	2.0	4.5	4.1	1.7	1.6	1.8	1.5
Denver-Boulder	3.3	2.3	3.0	2.0	4.1	3.5	1.4	1.4	.7	.9
CONNECTICUT	2.0	1.9	1.4	1.2	2.4	2.6	.7	.7	1.1	1.3
Hartford	1.6	1.7	1.0	.7	2.4	1.8	.6	.4	1.3	.8
DELAWARE ¹	1.9	1.2	.7	.4	1.7	2.2	.5	.4	.6	1.2
Wilmington ¹	2.0	1.3	.7	.4	1.8	2.1	.5	.4	.8	1.0
DISTRICT OF COLUMBIA:										
Washington SMSA	1.4	NA	1.2	NA	1.3	NA	.8	NA	.3	NA
FLORIDA	5.7	3.4	3.4	2.3	3.8	3.5	2.1	1.7	1.0	1.0
Fort Lauderdale-Hollywood	5.2	3.6	4.6	3.1	3.9	4.4	2.8	2.5	.3	.6
Jacksonville	2.6	2.6	2.2	1.6	4.1	3.5	1.7	1.3	1.6	.7
Miami	3.7	2.7	3.3	2.2	3.2	2.7	1.6	1.5	1.0	.7
Orlando	3.5	3.3	2.3	1.8	3.2	2.1	1.5	1.1	1.1	.5
Pensacola	1.2	1.4	.7	.8	1.8	1.0	.6	.4	1.0	.2
Tampa-St. Petersburg	5.1	3.6	3.7	2.2	4.4	5.7	2.0	1.8	1.5	3.0
West Palm Beach-Boca Raton	3.0	1.9	2.2	1.4	1.6	1.8	1.1	1.1	.2	.3
GEORGIA	2.9	2.1	2.3	1.5	3.6	2.7	1.7	1.4	1.1	.6
Atlanta ²	2.4	1.7	1.9	1.0	2.7	2.2	1.1	.8	.9	.7
HAWAII ³	2.0	2.6	1.6	.9	1.8	2.7	.8	.7	.5	1.6
IDAHO ^{4 5}	2.7	3.7	2.2	2.1	5.6	6.2	1.9	2.1	3.0	3.5
ILLINOIS:										
Chicago SMSA	2.5	1.7	1.8	1.2	2.8	3.1	1.2	.9	.7	1.1
INDIANA	2.1	1.6	1.1	.8	2.6	2.7	.7	.7	1.3	1.5
Indianapolis ⁶	1.5	1.6	.7	.8	1.9	2.2	.4	.5	.8	.9
IOWA	2.9	2.2	2.1	1.5	3.3	2.9	1.5	1.1	1.2	1.3
Cedar Rapids	2.8	2.0	1.3	.7	3.9	2.7	.8	.7	2.2	1.4
Des Moines	3.0	3.4	2.0	2.2	3.2	3.0	1.9	1.5	.7	.8
KANSAS	3.9	2.8	3.1	2.2	4.1	3.2	2.2	1.6	1.0	.8
Topeka	4.1	2.5	1.6	1.3	1.8	1.6	1.1	.8	.2	.2
Wichita	3.6	2.5	3.1	2.2	3.9	3.3	2.0	1.2	1.0	1.3
KENTUCKY	2.9	2.3	1.6	1.3	3.0	2.6	1.0	.9	1.3	1.2
Louisville	1.7	1.4	.7	.6	1.8	1.9	.4	.5	.8	.8
LOUISIANA:										
New Orleans	2.4	2.1	2.0	1.4	3.6	4.3	1.5	1.2	1.1	2.1
MAINE	4.6	3.9	3.2	2.5	5.1	5.3	2.2	2.0	2.2	2.6
Portland	2.3	2.3	1.8	1.7	3.5	3.3	1.4	1.4	1.7	1.3
MARYLAND	2.2	1.8	1.2	.8	3.2	3.2	.7	.6	2.0	2.1
Baltimore	2.1	1.7	1.0	.7	3.5	3.0	.6	.5	2.3	2.0
MASSACHUSETTS	2.7	2.3	1.9	1.5	2.8	3.4	1.0	.9	1.2	1.9
Boston	2.3	2.6	1.7	1.9	2.3	3.4	.8	.9	.9	1.7
MICHIGAN	2.0	1.4	.9	.5	2.3	2.1	.5	.4	1.1	1.0
Detroit	1.6	1.2	.8	.4	2.4	2.3	.6	.5	1.1	1.0
Flint	1.2	.8	.7	.3	1.4	1.4	.4	.2	.2	.3
Grand Rapids	5.7	2.1	1.8	.8	3.3	3.3	.8	.6	1.3	1.8
Lansing-East Lansing	1.4	.6	1.0	.2	.9	1.9	.2	.3	.2	.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		Total		Quits		Layoffs	
	Nov. 1976	Dec. 1976 ^P	Nov. 1976	Dec. 1976 ^P	Nov. 1976	Dec. 1976 ^P	Nov. 1976	Dec. 1976 ^P	Nov. 1976	Dec. 1976 ^P
MINNESOTA	2.5	2.1	2.1	1.4	3.3	3.1	1.3	1.1	1.4	1.5
Minneapolis—St. Paul	2.3	1.9	1.9	1.3	2.3	2.4	1.1	.9	.7	1.0
MISSISSIPPI:										
Jackson	2.3	.6	1.5	.4	3.1	3.2	1.4	1.4	1.1	1.3
MISSOURI	2.5	2.5	1.8	1.5	2.9	2.8	1.2	1.1	1.0	1.2
Kansas City	2.8	2.3	2.0	1.5	2.7	2.4	1.3	1.1	.7	.6
St. Louis	1.7	1.6	1.2	1.0	3.0	2.3	.7	.6	1.6	1.3
MONTANA	2.3	2.3	1.9	1.7	3.9	3.3	1.6	1.2	1.8	1.6
NEBRASKA	3.2	2.5	2.5	2.0	3.7	3.6	1.9	1.7	1.3	1.2
NEVADA	5.0	4.8	4.2	3.9	4.1	3.9	2.2	2.2	.5	.6
NEW HAMPSHIRE	3.4	NA	2.7	NA	3.2	NA	1.9	NA	.7	NA
NEW JERSEY:										
Camden ⁷	2.2	1.6	1.4	.9	3.9	3.5	.7	.4	2.6	2.5
Hackensack	3.1	1.9	2.4	1.6	3.6	3.0	1.0	.8	1.9	1.0
Jersey City	2.8	1.8	1.2	.7	3.6	7.2	.7	.7	2.3	5.8
Newark	2.6	1.6	1.6	1.1	2.2	3.2	.7	.7	.8	1.9
New Brunswick—Perth Amboy—Sayreville	2.1	1.4	1.4	1.0	3.5	3.0	.8	.7	2.1	1.7
Paterson—Clifton—Passaic	3.3	2.2	1.9	1.4	2.7	4.2	1.0	1.0	1.0	2.6
Trenton	2.1	1.2	1.4	.9	1.8	2.7	.8	.6	.5	1.6
NEW YORK	2.8	2.1	1.6	1.1	3.5	3.9	.8	.7	2.1	2.6
Albany—Schenectady—Troy	2.3	1.6	1.2	.9	2.2	2.1	.6	.4	.9	.9
Binghamton	1.7	1.2	1.0	.9	1.6	2.6	.7	.6	.6	1.4
Buffalo	1.8	1.3	.8	.5	3.4	2.1	.4	.3	2.5	1.2
Elmira	1.5	2.1	1.0	1.3	3.9	10.4	.5	.4	2.6	9.1
Monroe County ⁸	1.2	1.0	1.0	.7	1.2	1.4	.5	.4	.4	.6
Nassau—Suffolk ⁹	3.5	2.6	2.6	1.9	3.4	4.4	1.3	1.1	1.3	2.6
New York and Nassau—Suffolk	3.7	2.7	2.3	1.5	3.9	5.3	1.0	1.0	2.1	3.7
New York SMSA ⁹	3.7	2.7	2.2	1.4	4.0	5.6	.9	1.0	2.3	4.0
New York City ¹⁰	4.0	2.9	2.3	1.5	4.2	6.1	1.0	1.0	2.5	4.4
Rochester	1.4	1.1	1.1	.8	2.5	2.4	.6	.4	1.4	1.6
Syracuse	1.9	1.5	1.2	.7	2.9	1.6	.6	.6	1.7	.5
Utica—Rome	1.9	1.8	1.1	.8	3.0	2.5	.6	.6	1.5	1.4
Westchester County ¹⁰	1.9	1.4	1.4	1.0	2.4	2.2	.8	.7	.9	1.0
NORTH CAROLINA	3.1	1.9	2.5	1.5	3.5	2.8	2.0	1.4	.8	.8
Charlotte—Gastonia	3.2	2.2	2.7	1.9	3.3	3.3	2.1	1.6	.4	1.0
Greensboro—Winston-Salem—High Point	3.2	1.8	2.7	1.5	3.0	2.6	1.9	1.4	.4	.6
NORTH DAKOTA	3.4	2.9	2.7	2.3	3.9	4.4	2.2	2.6	1.3	1.3
Fargo—Moorhead	2.6	3.1	1.9	1.8	6.0	12.9	1.9	2.2	3.1	9.4
OHIO	2.1	1.5	.9	.6	2.5	2.6	.6	.5	1.3	1.5
Akron	1.1	1.1	.4	.3	1.7	1.8	.3	.3	1.0	1.0
Canton	2.3	2.4	.7	.8	3.6	2.4	.5	.6	2.3	1.1
Cincinnati	2.2	1.2	1.1	.8	1.9	1.8	.6	.5	.7	1.0
Cleveland	2.1	1.4	1.2	.7	2.2	2.2	.7	.7	.8	.9
Columbus	1.7	1.8	1.1	.7	2.4	2.1	.7	.6	1.1	1.0
Dayton	1.5	1.2	.9	.9	1.3	1.4	.4	.5	.3	.4
Toledo	1.9	1.2	.9	.7	2.4	2.0	.5	.3	1.2	1.2
Youngstown—Warren	2.2	3.1	.2	.2	3.1	4.1	.1	.1	2.2	3.2
OKLAHOMA	4.0	3.3	3.4	2.6	4.5	3.7	2.6	2.3	1.2	.7
Oklahoma City	3.9	2.5	3.4	1.8	3.7	3.4	2.4	1.8	.4	1.0
Tulsa ¹¹	3.5	3.4	3.1	2.7	4.3	3.2	2.2	1.9	1.1	.4
OREGON ¹	3.6	3.2	2.8	2.3	4.4	4.3	1.8	1.5	1.8	2.2
Portland ¹	3.6	3.1	2.8	2.1	4.1	3.9	1.7	1.3	1.7	2.0
PENNSYLVANIA	2.5	2.5	1.1	.7	3.5	3.9	.6	.5	2.4	2.9
Allentown—Bethlehem—Easton	1.9	1.4	.8	.5	2.9	3.4	.6	.4	1.9	2.6
Altoona	1.4	2.4	1.0	.9	6.2	4.3	.9	.9	5.0	2.8
Erie	1.9	1.6	.9	.6	3.2	3.0	.5	.4	2.2	2.0
Harrisburg	2.0	1.6	1.4	.7	2.8	2.2	.9	.7	1.3	.9
Johnstown	5.3	2.5	.4	.5	3.7	2.8	.4	.5	2.3	1.4
Lancaster	2.3	1.6	1.7	1.3	2.5	2.0	1.0	.9	1.0	.6

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		Total		Quits		Layoffs	
	Nov. 1976	Dec. 1976 ^p	Nov. 1976	Dec. 1976 ^p	Nov. 1976	Dec. 1976 ^p	Nov. 1976	Dec. 1976 ^p	Nov. 1976	Dec. 1976 ^p
PENNSYLVANIA—Continued										
Northeast Pennsylvania	4.3	2.9	1.4	0.6	4.4	7.1	0.7	0.4	3.2	6.1
Philadelphia SMSA	2.2	1.6	1.3	.9	3.2	2.7	.6	.5	2.0	1.6
Pittsburgh	2.9	3.5	.4	.4	3.7	4.2	.3	.2	2.8	3.5
Reading	2.6	2.2	1.7	1.3	3.1	2.9	1.0	.7	1.6	1.6
Scranton ¹²	5.6	2.0	2.2	.9	3.5	5.7	.6	.5	2.5	4.9
Wilkes-Barre—Hazleton ¹²	3.6	3.2	.8	.5	4.6	8.0	.7	.4	3.2	6.8
Williamsport	1.6	1.8	.9	.6	1.5	1.6	.6	.3	.4	.8
York	2.5	1.6	1.9	1.0	3.6	5.2	1.1	.9	1.8	3.8
RHODE ISLAND										
Providence—Warwick—Pawtucket	4.4	3.6	3.5	2.5	4.6	4.9	2.2	1.9	1.6	2.2
Providence—Warwick—Pawtucket	4.6	3.3	3.7	2.4	4.5	4.6	2.2	1.7	1.5	2.2
SOUTH CAROLINA:										
Greenville—Spartanburg ⁵	3.4	NA	3.0	NA	3.5	NA	2.3	NA	.2	NA
SOUTH DAKOTA										
Sioux Falls	3.6	3.5	3.1	2.8	3.3	3.5	1.8	1.8	1.0	1.0
Sioux Falls	3.8	2.2	3.5	1.8	1.8	2.2	1.3	1.3	.3	.7
TENNESSEE:										
Memphis	2.6	1.8	1.8	1.1	3.1	4.5	1.2	1.0	1.1	2.6
TEXAS:										
Dallas—Fort Worth	3.7	2.8	3.2	2.4	3.3	3.2	2.1	1.9	.3	.5
Houston	3.1	2.3	2.8	2.1	2.9	2.6	1.7	1.6	.3	.2
San Antonio	3.1	2.7	2.7	2.3	3.6	3.2	2.1	1.8	.7	.5
UTAH⁴										
Salt Lake City—Ogden ⁴	3.9	3.6	3.2	2.9	4.4	3.9	2.6	2.1	.9	.9
Salt Lake City—Ogden ⁴	3.7	3.4	3.2	2.9	3.9	3.5	2.5	2.1	.4	.4
VERMONT										
Burlington	3.5	2.3	2.0	1.1	4.0	4.9	1.0	.9	2.5	3.5
Burlington	1.9	1.7	1.1	.9	1.3	1.7	.3	.4	.8	.9
Springfield	2.7	1.9	1.1	.9	1.8	1.7	.4	.4	.9	.9
VIRGINIA										
Richmond	2.7	1.5	1.8	1.0	2.4	2.6	1.3	.9	.5	1.1
Richmond	1.4	.8	1.2	.7	1.4	1.3	.7	.7	.3	.2
WASHINGTON:										
Seattle—Everett ¹³	3.3	2.3	1.6	1.1	2.9	2.6	.9	.7	1.4	1.3
WISCONSIN										
Milwaukee	2.2	1.8	1.3	1.0	3.1	2.7	.7	.6	1.8	1.4
Milwaukee	1.9	1.7	1.3	1.0	2.4	2.2	.7	.6	1.0	.8
WYOMING										
.....	3.9	4.4	3.5	3.7	7.3	5.9	3.7	3.0	3.0	1.3

¹ Excludes canning and preserving.

² Excludes agricultural chemicals, and miscellaneous manufacturing.

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

⁴ Excludes canning and preserving, and sugar.

⁵ Based on the 1972 Standard Industrial Classification.

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.

* Not available.

^p preliminary.

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		
	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977 ^P	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977 ^P	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977 ^P
ALABAMA	1,435.0	1,478.7	1,433.7	107.6	90.5	97.5	7.5	6.1	6.8
Birmingham	346.0	352.2	345.3	25.9	19.3	24.0	7.5	5.5	6.9
Huntsville	117.9	121.9	117.9	9.4	7.6	8.2	8.0	6.2	7.0
Mobile	156.7	163.4	158.4	9.2	11.0	11.1	5.9	6.7	7.0
Montgomery	101.4	103.7	99.2	5.4	5.3	4.1	5.4	5.1	4.1
Tuscaloosa	51.2	51.2	49.6	3.4	2.5	2.6	6.6	5.0	5.2
ALASKA	142.0	143.8	142.1	14.1	14.1	17.0	9.9	9.8	12.0
ARIZONA	955.8	957.8	947.3	114.0	76.2	80.8	11.9	8.0	8.5
Phoenix	561.0	557.1	552.7	68.8	42.4	45.0	12.3	7.6	8.1
Tucson	180.9	182.9	181.1	17.0	12.4	13.3	9.4	6.8	7.4
ARKANSAS	826.2	850.7	841.0	75.2	60.2	69.3	9.1	7.1	8.2
Fayetteville-Springdale	62.9	65.8	64.9	5.4	3.3	4.3	8.5	5.1	6.6
Fort Smith ¹	72.5	76.1	75.0	6.7	6.2	6.3	9.2	8.2	8.4
Little Rock-North Little Rock	161.0	166.1	164.6	9.9	8.2	9.8	6.1	5.0	6.0
Pine Bluff	31.8	32.0	31.5	2.6	2.1	2.1	8.1	6.4	6.8
CALIFORNIA	9,495.7	9,799.1	9,692.9	984.1	819.3	859.6	10.4	8.4	8.9
Anaheim-Santa Ana-Garden Grove	801.6	844.0	838.8	56.0	42.2	43.4	7.0	5.0	5.2
Bakersfield	143.0	149.7	140.6	12.3	12.1	12.5	8.6	8.1	8.9
Fresno	215.7	231.8	226.3	22.7	20.8	22.7	10.5	9.0	10.0
Los Angeles-Long Beach	3,255.8	3,318.6	3,297.3	322.7	254.0	265.8	9.9	7.7	8.1
Modesto	109.4	116.5	113.9	17.6	15.6	16.5	16.1	13.4	14.5
Oxnard-Simi Valley-Ventura	171.1	175.1	174.9	17.6	13.4	13.9	10.3	7.7	7.9
Riverside-San Bernardino-Ontario	486.1	493.0	486.1	51.1	45.0	46.7	10.5	9.1	9.6
Sacramento	373.9	398.8	393.4	35.8	33.6	33.9	9.6	8.4	8.6
Safinas-Seaside-Monterey	100.6	106.4	104.8	10.5	9.2	10.9	10.4	8.6	10.4
San Diego	642.0	659.0	655.0	81.2	69.1	73.2	12.6	10.5	11.2
San Francisco-Oakland	1,495.8	1,531.2	1,508.1	168.1	141.9	141.1	11.2	9.3	9.4
San Jose	556.7	567.4	560.4	50.1	38.4	38.3	9.0	6.8	6.8
Santa Barbara-Santa Maria-Lompoc	119.7	128.1	127.8	9.0	10.0	11.7	7.5	7.8	9.2
Santa Rosa	98.3	102.0	101.8	12.1	9.6	10.8	12.3	9.4	10.6
Stockton	133.2	142.0	137.0	17.0	15.9	17.0	12.8	11.2	12.4
Vallejo-Fairfield-Napa	101.0	108.6	107.5	7.7	8.2	9.2	7.6	7.6	8.6
COLORADO	1,147.1	1,213.2	1,192.6	78.3	68.9	69.8	6.8	5.7	5.9
Denver-Boulder	684.5	725.1	718.0	48.5	41.1	41.5	7.1	5.7	5.8
CONNECTICUT	1,470.9	1,469.7	1,458.1	160.5	120.3	135.7	10.9	8.2	9.3
Bridgeport	186.7	181.7	181.0	23.7	15.8	17.9	12.7	8.7	9.9
Hartford	346.4	346.4	343.8	31.7	27.0	29.4	9.1	7.8	8.5
New Britain	72.6	71.1	70.9	9.1	6.7	7.3	12.5	9.4	10.3
New Haven-West Haven	195.3	196.0	194.6	20.7	17.2	20.5	10.6	8.8	10.5
Stamford	105.9	106.4	107.4	9.0	5.9	7.5	8.5	5.6	7.0
Waterbury	110.0	106.1	104.3	14.7	9.9	10.5	13.3	9.3	10.1
DELAWARE	252.7	255.5	253.4	24.4	21.7	23.4	9.7	8.5	9.3
Wilmington ¹	228.2	230.3	227.5	21.1	18.9	20.5	9.3	8.2	9.0
DISTRICT OF COLUMBIA	333.5	330.8	329.3	31.1	25.3	26.3	9.3	7.7	8.0
Washington SMSA ¹	1,423.7	1,455.8	1,446.7	84.2	63.3	65.8	5.9	4.3	4.6
FLORIDA	3,530.3	3,478.0	3,486.2	379.9	262.6	269.2	10.8	7.6	7.7
Fort Lauderdale-Hollywood	354.3	341.2	343.0	52.5	31.1	31.2	14.8	9.1	9.1
Jacksonville	291.5	304.1	301.8	19.5	17.0	18.4	6.7	5.6	6.1
Miami	688.3	668.4	668.9	77.3	50.9	50.0	11.2	7.6	7.5
Orlando	270.6	270.2	268.8	30.7	20.6	21.6	11.4	7.6	8.0
Pensacola	104.1	107.2	106.2	6.9	5.9	6.1	6.6	5.5	5.8
Tampa-St. Petersburg	539.9	539.2	538.0	60.3	45.3	44.2	11.2	8.4	8.2
West Palm Beach-Boca Raton	200.5	199.8	200.7	23.8	15.3	15.8	11.9	7.6	7.9
GEORGIA	2,159.6	2,182.4	2,159.7	196.8	151.0	156.6	9.1	6.9	7.2
Atlanta	857.4	883.3	882.1	82.0	58.1	59.8	9.6	6.6	6.8
Augusta ¹	114.1	117.0	116.3	10.0	7.9	8.3	8.8	6.8	7.2
Columbus ¹	83.8	83.7	81.9	7.1	5.4	5.6	8.5	6.4	6.9
Macon	99.8	98.7	97.7	9.0	8.7	8.6	9.0	8.8	8.8
Savannah	80.4	81.8	81.0	7.3	5.7	5.7	9.0	6.9	7.1

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		
	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977P	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977P	JAN. 1976 [†]	DEC. 1976 [†]	JAN. 1977P
HAWAII	390.7	397.3	392.4	37.1	34.7	34.7	9.5	8.7	8.8
Honolulu	312.5	318.8	314.1	27.9	26.7	26.9	8.9	8.4	8.6
IDAHO	340.5	367.3	365.3	23.8	21.4	28.8	7.0	5.8	7.9
Boise City	66.8	71.9	73.0	3.5	2.8	4.3	5.2	3.9	5.9
ILLINOIS	4,988.9	5,146.8	5,052.4	409.6	346.4	322.3	8.2	6.7	6.4
Bloomington—Normal	57.0	60.0	57.1	3.0	2.5	2.8	5.3	4.2	4.9
Champaign—Urbana—Rantoul	73.4	78.4	71.7	3.8	3.2	3.6	5.1	4.1	5.0
Chicago	3,159.6	3,246.1	3,183.0	254.2	216.8	175.6	8.0	6.7	5.5
Davenport—Rock Island—Moline ¹	169.3	176.6	173.3	10.3	7.8	8.8	6.1	4.4	5.1
Decatur	58.9	62.5	59.5	6.2	5.5	5.2	10.6	8.8	8.8
Peoria	166.5	173.5	167.5	9.6	9.1	9.9	5.7	5.2	5.9
Rockford	133.0	136.7	128.5	15.0	9.0	8.8	11.3	6.6	6.9
Springfield	89.7	93.4	89.7	6.7	6.3	6.7	7.5	6.8	7.4
INDIANA	2,382.3	2,424.3	2,397.8	196.3	126.6	151.9	8.2	5.2	6.3
Evansville ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fort Wayne	177.1	176.3	175.2	16.2	7.4	9.7	9.2	4.2	5.5
Gary—Hammond—East Chicago	272.4	273.8	273.3	23.1	15.6	19.0	8.5	5.7	6.9
Indianapolis	547.6	552.3	550.0	40.5	30.4	36.0	7.4	5.5	6.5
Muncie	55.2	55.3	55.1	4.9	2.3	3.2	8.8	4.1	5.9
South Bend	131.3	133.1	131.7	8.2	6.4	7.9	6.2	4.8	6.0
Terre Haute	75.9	75.1	74.3	5.7	3.7	4.6	7.6	4.9	6.2
IOWA	1,271.2	1,308.2	1,287.8	66.3	49.9	63.0	5.2	3.8	4.9
Cedar Rapids	76.5	78.4	77.6	3.7	2.8	3.4	4.8	3.6	4.4
Des Moines	160.2	163.5	161.9	8.0	6.2	7.9	5.0	3.8	4.9
Dubuque	40.5	41.0	41.0	2.6	1.8	2.6	6.4	4.4	6.4
Sioux City ¹	55.7	56.6	53.8	2.8	2.5	2.9	5.1	4.3	5.4
Waterloo—Cedar Falls	60.2	61.0	60.1	3.9	2.6	3.0	6.5	4.3	5.0
KANSAS	1,048.9	1,085.0	1,066.5	52.2	44.3	51.8	5.0	4.1	4.9
Topeka	84.6	84.9	84.5	5.3	3.6	4.4	6.2	4.3	5.3
Wichita	188.6	193.3	192.4	11.8	9.3	11.2	6.3	4.8	5.8
KENTUCKY	1,397.9	1,443.1	1,409.8	100.7	74.6	89.3	7.2	5.2	6.3
Lexington—Fayette	140.8	150.2	149.2	5.8	4.4	5.2	4.1	2.9	3.5
Louisville ¹	388.4	384.9	381.8	32.1	22.8	25.7	8.3	5.9	6.7
LOUISIANA	1,435.2	1,477.5	1,481.9	100.9	91.9	113.3	7.0	6.2	7.6
Baton Rouge	181.9	187.4	187.5	9.7	10.2	12.2	5.3	5.5	6.5
Lake Charles	59.0	60.6	60.8	4.9	4.4	4.9	8.4	7.2	8.0
Monroe	49.6	47.5	47.8	4.4	3.5	4.1	8.9	7.4	8.6
New Orleans	430.2	435.4	442.2	30.8	28.0	35.7	7.2	6.4	8.1
Shreveport	136.8	138.4	138.9	10.1	8.8	10.1	7.4	6.4	7.2
MAINE	454.4	471.8	465.1	51.0	41.9	48.3	11.2	8.9	10.4
Lewiston—Auburn	36.8	37.2	37.0	4.3	2.8	3.3	11.7	7.5	8.8
Portland	83.4	88.0	85.0	8.0	8.2	7.9	9.6	9.3	9.3
MARYLAND	1,856.5	1,910.7	1,877.1	145.6	117.4	132.2	7.8	6.1	7.0
Baltimore	949.3	968.5	951.1	84.8	70.7	77.3	8.9	7.3	8.1
MASSACHUSETTS	2,746.5	2,733.0	2,691.4	322.4	208.0	214.6	11.7	7.6	8.0
Boston	1,343.3	1,330.3	1,307.1	144.9	90.2	95.0	10.8	6.8	7.3
Brockton	76.7	78.0	76.5	9.3	6.3	6.6	12.1	8.1	8.6
Fall River ¹	74.4	72.3	71.3	8.8	6.8	6.9	11.8	9.4	9.6
Lawrence—Haverhill ¹	131.2	126.8	123.2	19.8	13.1	12.1	15.1	10.3	9.9
Lowell ¹	105.9	105.7	102.4	14.0	8.8	9.1	13.3	8.3	8.9
New Bedford	80.9	78.6	78.1	12.6	8.5	9.0	15.6	10.8	11.5
Springfield—Chicopee—Holyoke ¹	269.1	264.3	263.4	31.3	19.3	18.9	11.6	7.3	7.2
Worcester	188.7	188.4	184.6	21.4	13.6	13.0	11.3	7.2	7.0
MICHIGAN	3,907.3	4,054.4	3,864.0	455.0	339.6	375.3	11.6	8.4	9.7
Ann Arbor	123.9	133.0	N.A.	12.0	9.1	N.A.	9.7	6.9	N.A.
Battle Creek	82.0	82.1	N.A.	9.6	7.1	N.A.	11.7	8.7	N.A.
Bay City	50.6	51.2	N.A.	5.6	4.2	N.A.	11.1	8.2	N.A.
Detroit	1,859.3	1,928.0	N.A.	211.1	154.8	N.A.	11.4	8.0	N.A.
Flint	214.5	219.5	N.A.	24.4	17.2	N.A.	11.4	7.8	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		
	JAN. 1976 ^z	DEC. 1976 ^z	JAN. 1977P	JAN. 1976 ^z	DEC. 1976 ^z	JAN. 1977P	JAN. 1976 ^z	DEC. 1976 ^z	JAN. 1977P
MICHIGAN—Continued									
Grand Rapids	261.9	273.3	N.A.	25.2	18.1	N.A.	9.6	6.6	N.A.
Jackson	66.2	66.0	N.A.	7.9	5.7	N.A.	11.9	8.6	N.A.
Kalamazoo—Portage	123.4	129.6	N.A.	11.3	8.7	N.A.	9.1	6.7	N.A.
Lansing—East Lansing	205.7	217.0	N.A.	22.2	15.0	N.A.	10.8	6.9	N.A.
Muskegon—Norton Shores—Muskegon Heights	73.4	77.1	N.A.	9.5	6.7	N.A.	13.0	8.7	N.A.
Saginaw	95.4	100.5	N.A.	9.6	6.8	N.A.	10.1	6.8	N.A.
MINNESOTA	1,793.8	1,855.2	1,832.6	135.5	108.2	123.8	7.6	5.8	6.8
Duluth—Superior	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Minneapolis—St. Paul	977.4	1,011.2	N.A.	74.4	59.5	N.A.	7.6	5.9	N.A.
MISSISSIPPI	910.3	940.5	932.5	65.5	61.4	62.2	7.2	6.5	6.7
Jackson	129.4	135.8	133.8	7.5	7.3	6.8	5.8	5.4	5.1
MISSOURI	2,087.6	2,105.8	2,086.3	161.8	125.6	149.1	7.8	6.0	7.1
Kansas City ¹	599.6	600.7	594.7	46.7	35.2	39.2	7.8	5.9	6.6
St. Joseph	43.4	46.4	45.3	2.9	3.1	3.4	6.6	6.7	7.5
St. Louis ¹	1,031.7	1,030.5	1,020.1	91.2	69.8	81.5	8.8	6.8	8.0
Springfield	89.4	95.3	94.5	5.4	4.5	5.3	6.1	4.7	5.7
MONTANA	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Billings	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Great Falls	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEBRASKA	688.2	718.3	706.2	30.9	21.5	26.6	4.5	3.0	3.8
Lincoln	98.3	101.5	100.3	3.2	2.1	2.8	3.2	2.1	2.8
Omaha ¹	249.5	254.2	250.6	15.7	10.5	12.3	6.3	4.1	4.9
NEVADA	286.8	308.2	304.6	31.1	26.4	28.0	10.8	8.6	9.2
Las Vegas	157.3	168.4	166.5	18.0	15.9	16.2	11.4	9.5	9.7
Reno	78.2	87.0	85.2	7.0	5.6	6.4	9.0	6.4	7.6
NEW HAMPSHIRE	368.9	389.2	382.2	30.8	22.3	23.9	8.3	5.7	6.2
Manchester	63.0	64.1	63.2	5.6	3.7	4.4	8.9	5.7	6.9
NEW JERSEY	3,251.4	3,277.9	3,246.1	378.4	308.1	354.2	11.6	9.4	10.9
Atlantic City	72.3	72.0	72.6	11.9	10.0	11.5	16.5	13.9	15.8
Jersey City	262.4	254.3	253.9	40.7	32.0	37.4	15.5	12.6	14.7
Long Branch—Asbury Park	197.9	205.1	203.0	21.9	18.4	22.5	11.1	9.0	11.1
Newark	914.5	917.4	903.5	104.9	79.2	90.1	11.5	8.6	10.0
New Brunswick—Perth Amboy—Sayreville	280.8	283.7	281.4	30.5	26.0	29.2	10.9	9.2	10.4
Paterson—Clifton—Passaic	201.8	202.3	201.1	27.6	22.0	26.4	13.7	10.9	13.1
Trenton	149.9	154.8	154.5	12.5	10.0	11.7	8.3	6.4	7.6
Vineland—Millville—Bridgeton	54.8	54.6	55.7	8.7	6.7	8.8	15.9	12.3	15.9
NEW MEXICO	444.4	466.4	459.7	44.0	39.9	43.8	9.9	8.5	9.5
Albuquerque	164.5	174.6	173.7	16.2	15.1	17.1	9.9	8.6	9.9
NEW YORK	7,638.5	7,696.6	7,543.7	840.0	748.2	768.7	11.0	9.7	10.2
Albany—Schenectady—Troy	349.3	355.9	347.8	28.4	29.2	30.5	8.1	8.2	8.8
Binghamton ¹	129.1	133.6	131.0	11.2	10.4	11.1	8.7	7.8	8.5
Buffalo	565.5	565.7	557.5	73.1	53.0	57.5	12.9	9.4	10.3
Elmira	40.8	41.4	40.8	4.1	4.7	5.0	10.0	11.2	12.2
Nassau—Suffolk	1,089.9	1,129.1	1,098.1	100.1	105.8	105.5	9.2	9.4	9.6
New York	3,656.8	3,624.8	3,559.5	429.4	361.7	365.4	11.7	10.0	10.3
Poughkeepsie	96.9	97.1	95.3	6.8	6.0	6.4	7.0	6.2	6.7
Rochester	450.1	457.2	445.6	40.2	33.5	35.6	8.9	7.3	8.0
Syracuse	280.7	290.7	282.7	27.6	26.5	27.7	9.8	9.1	9.8
Utica—Rome	134.1	136.7	134.6	15.3	14.7	16.0	11.4	10.8	11.9
NORTH CAROLINA	2,528.1	2,493.3	2,470.3	182.7	148.2	174.0	7.2	5.9	7.0
Asheville	78.2	77.3	76.1	6.2	4.0	4.8	7.9	5.2	6.3
Charlotte—Gastonia	310.3	310.6	306.7	23.7	16.0	15.3	7.6	5.2	5.0
Greensboro—Winston-Salem—High Point	392.3	393.8	390.0	28.4	21.0	24.2	7.2	5.3	6.2
Raleigh—Durham	246.8	251.5	246.0	12.2	10.2	9.9	4.9	4.1	4.0
NORTH DAKOTA	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fargo—Moorhead ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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		
	JAN. 1976 ^T	DEC. 1976 ^T	JAN. 1977 ^P	JAN. 1976 ^T	DEC. 1976 ^T	JAN. 1977 ^P	JAN. 1976 ^T	DEC. 1976 ^T	JAN. 1977 ^P
OHIO	4,680.0	4,732.7	4,686.3	441.8	349.4	384.8	9.4	7.4	8.2
Akron	288.5	290.5	289.2	29.1	22.1	23.9	10.1	7.6	8.3
Canton	177.2	180.2	175.4	18.5	15.4	17.2	10.5	8.6	9.8
Cincinnati ¹	589.9	589.5	581.7	58.2	46.6	52.2	9.9	7.9	9.0
Cleveland	885.5	892.9	883.1	73.1	57.3	61.9	8.2	6.4	7.0
Columbus	497.3	509.3	505.4	39.9	30.5	36.0	8.0	6.0	7.1
Dayton	353.0	358.3	364.5	29.0	20.2	27.3	8.2	5.6	7.5
Toledo ¹	343.3	348.0	N.A.	32.6	32.1	N.A.	9.5	9.2	N.A.
Youngstown—Warren	233.5	234.2	229.4	25.8	21.5	23.4	11.1	9.2	10.2
OKLAHOMA	1,144.5	1,171.9	1,162.4	79.6	56.8	63.9	7.0	4.8	5.5
Oklahoma City	341.2	349.5	346.5	24.0	16.5	18.6	7.0	4.7	5.4
Tulsa	275.2	284.2	281.8	16.9	12.8	14.7	6.1	4.5	5.2
OREGON	1,049.4	1,072.9	1,064.7	129.7	95.0	107.7	12.4	8.9	10.1
Eugene—Springfield	111.4	112.4	111.0	16.4	11.8	11.5	14.8	10.5	10.3
Portland ¹	509.7	522.2	515.7	53.1	40.1	44.9	10.4	7.7	8.7
Salem	92.1	93.4	92.7	11.4	8.7	10.0	12.3	9.3	10.8
PENNSYLVANIA	5,070.1	5,090.7	4,982.3	471.0	398.7	452.6	9.3	7.8	9.1
Allentown—Bethlehem—Easton ¹	296.4	296.6	N.A.	26.3	23.0	N.A.	8.9	7.8	N.A.
Alltoona	55.4	55.8	53.2	4.8	3.9	4.4	8.7	7.0	8.3
Erie	120.4	118.8	115.2	12.8	9.9	11.4	10.6	8.3	9.9
Harrisburg	207.3	208.8	201.0	14.2	11.0	12.3	6.8	5.3	6.1
Johnstown	106.2	106.2	103.7	10.0	7.4	9.3	9.4	7.0	8.9
Lancaster	160.4	162.5	156.2	12.8	8.9	10.3	8.0	5.5	6.6
Northeast Pennsylvania	272.0	274.9	264.3	30.6	28.1	31.6	11.2	10.2	12.0
Philadelphia ¹	2,021.5	2,044.3	2,015.2	186.2	173.3	183.5	9.2	8.5	9.1
Pittsburgh	985.7	988.3	982.3	90.1	77.3	92.1	9.1	7.8	9.4
Reading	145.3	147.0	140.4	10.3	7.3	8.5	7.1	4.9	6.1
Williamsport	49.5	49.9	48.6	5.9	4.4	5.1	11.9	8.9	10.5
York	152.8	153.8	147.8	13.1	9.3	11.0	8.6	6.1	7.5
RHODE ISLAND	426.9	437.7	429.7	44.7	30.6	36.4	10.5	7.0	8.5
Providence—Warwick—Pawtucket ¹	432.6	443.8	437.8	45.2	30.5	36.3	10.4	6.9	8.3
SOUTH CAROLINA	1,195.7	1,235.6	1,216.0	95.1	72.0	78.2	8.0	5.8	6.4
Charleston—North Charleston	131.6	136.7	134.6	10.4	7.9	8.4	7.9	5.8	6.3
Columbia	151.8	157.9	155.5	9.9	7.0	7.9	6.5	4.4	5.1
Greenville—Spartanburg	240.7	243.4	241.3	17.1	12.1	12.9	7.1	5.0	5.4
SOUTH DAKOTA	300.9	294.5	287.9	13.3	11.2	14.4	4.4	3.8	5.0
Sioux Falls	52.4	52.1	52.6	2.1	1.7	2.3	4.1	3.2	4.4
TENNESSEE	1,798.2	1,803.9	1,781.9	137.1	102.2	123.4	7.6	5.7	6.9
Chattanooga ¹	176.1	176.0	173.4	10.9	9.4	10.3	6.2	5.3	5.9
Knoxville	192.8	190.4	183.5	11.8	7.8	9.5	6.1	4.1	5.2
Memphis ¹	353.3	353.5	343.1	25.5	20.0	21.7	7.2	5.7	6.3
Nashville—Davidson	343.6	352.5	343.5	21.5	15.2	18.5	6.3	4.3	5.4
TEXAS	5,339.7	5,593.4	5,540.2	319.7	294.9	308.8	6.0	5.3	5.6
Amarillo	78.0	82.3	81.5	3.0	2.6	2.8	3.9	3.1	3.5
Austin	186.2	193.7	192.6	9.0	9.2	9.5	4.8	4.7	5.0
Beaumont—Port Arthur—Orange	153.4	160.4	159.8	11.7	10.9	12.5	7.6	6.8	7.8
Corpus Christi	123.2	127.8	128.4	9.7	8.5	9.7	7.8	6.7	7.5
Dallas—Fort Worth	1,226.4	1,272.5	1,252.4	64.9	48.2	51.6	5.3	3.8	4.1
El Paso	155.2	158.5	157.5	14.6	19.1	18.4	9.4	12.0	11.7
Galveston—Texas City	80.8	87.6	87.1	5.1	7.1	6.9	6.4	8.1	7.9
Houston	1,089.4	1,191.5	1,194.2	58.8	59.0	64.9	5.4	5.0	5.4
Lubbock	88.5	98.5	94.9	3.9	2.6	3.3	4.4	2.7	3.5
San Antonio	373.9	381.5	378.1	29.9	25.3	24.7	8.0	6.6	6.5
Waco	72.0	73.2	73.5	5.2	3.1	4.1	7.2	4.3	5.5
Wichita Falls	55.1	57.2	56.6	3.1	2.3	2.4	5.6	4.1	4.2
UTAH	487.3	519.8	509.2	36.7	26.9	31.9	7.5	5.2	6.3
Salt Lake City—Ogden	325.5	346.0	339.6	22.3	17.5	20.2	6.9	5.1	5.9
VERMONT	212.6	215.4	214.7	21.9	17.5	19.0	10.3	8.1	8.9

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		
	JAN. 1976 ^r	DEC. 1976 ^r	JAN. 1977P	JAN. 1976 ^r	DEC. 1976 ^r	JAN. 1977P	JAN. 1976 ^r	DEC. 1976 ^r	JAN. 1977P
VIRGINIA	2,250.3	2,309.1	2,278.0	148.5	128.9	141.4	6.6	5.6	6.2
Lynchburg	67.3	68.6	66.9	4.6	3.1	3.1	6.9	4.6	4.7
Newport News—Hampton	147.2	151.8	153.0	10.5	9.6	10.7	7.1	6.4	7.0
Norfolk—Virginia Beach—Portsmouth ¹	295.5	302.8	N.A.	21.4	20.0	N.A.	7.2	6.6	N.A.
Richmond	291.7	295.8	299.8	12.9	12.1	13.7	4.4	4.1	4.6
Roanoke	107.3	107.2	106.1	7.9	6.1	6.5	7.3	5.7	6.1
WASHINGTON	1,523.2	1,580.5	1,555.7	160.4	124.4	138.7	10.5	7.9	8.9
Seattle—Everett	674.8	707.3	697.9	69.2	55.0	58.7	10.3	7.8	8.4
Spokane	124.1	127.9	124.7	10.8	8.4	9.8	8.7	6.6	7.8
Tacoma	151.3	154.7	149.4	17.1	13.8	14.1	11.3	8.9	9.4
WEST VIRGINIA	674.4	683.8	669.0	62.2	50.5	59.3	9.2	7.4	8.9
Charleston	109.5	110.1	108.7	7.7	5.5	6.3	7.0	5.0	5.8
Huntington—Ashland ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Parkersburg—Marietta ¹	63.5	62.1	62.5	7.5	4.4	5.9	11.8	7.2	9.5
Wheeling ¹	76.4	76.9	77.2	7.7	6.9	7.4	10.0	9.0	9.6
WISCONSIN	2,103.4	2,176.1	2,162.3	154.0	119.0	133.8	7.3	5.5	6.2
Appleton—Oshkosh	135.5	139.6	N.A.	10.4	7.0	N.A.	7.7	5.0	N.A.
Green Bay	81.0	85.6	N.A.	5.8	4.4	N.A.	7.1	5.2	N.A.
Kenosha	64.2	61.4	N.A.	5.0	6.0	N.A.	7.7	9.8	N.A.
La Crosse	40.2	43.4	N.A.	3.2	2.2	N.A.	7.9	5.1	N.A.
Madison	160.2	173.8	N.A.	7.9	6.4	N.A.	5.0	3.7	N.A.
Milwaukee	666.3	686.2	N.A.	48.0	37.2	N.A.	7.2	5.4	N.A.
Racine	85.5	89.5	N.A.	6.4	5.7	N.A.	7.4	6.3	N.A.
WYOMING	161.8	176.6	171.4	8.4	7.0	8.5	5.2	3.9	5.0

¹ Includes interstate portion of Area located in adjacent State(s).

p=preliminary.

N.A.=not available.

NOTE: All data are provisional. They are subject to revision as new benchmark information becomes available. Data refer to place of residence.

r= revised to Current Population Survey 1976 annual averages.

SOURCE: 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, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161. When ordering please, specify "CETA Area Employment and Unemployment, January-November 1976 (NTISUB/B/143-77/001)", "State and County Employment and Unemployment January-November 1976" (NTISUB/B/144-77/001) or "Unemployment Rates for States and Identifiable Local Governments, Third Quarter, 1976" (PB261350). Tabulations are available at \$10.75 per set for printed copies of CETA Areas, \$18.75 for States and Counties, \$5.00 for Identifiable Local Governments, or \$3.00 per set for microfiche copies of each publication.

UNEMPLOYMENT INSURANCE DATA

F-1. Insured unemployment under State programs

[Week including the 12th of the month]

State	Number (in thousands)					Rate (percent of average covered employment)		
	Feb. 1976	Jan. 1977	Feb. 1977	Change from ¹		Feb. 1976	Jan. 1977	Feb. 1977
				Feb. 1976	Jan. 1977			
TOTAL ^{2, 3}	3,737.0	3,582.4	3,744.7	7.7	162.4	5.7	5.4	5.6
SEASONALLY ADJUSTED	2,835.4	2,710.2	2,851.9	16.6	141.7	4.3	4.1	4.3
Alabama	44.8	53.1	56.0	11.2	2.9	4.9	5.7	6.0
Alaska	12.6	14.5	16.3	3.7	1.8	12.2	11.4	12.9
Arizona	33.4	25.2	25.5	-8.0	0.2	5.5	4.2	4.2
Arkansas	32.0	39.9	34.7	2.7	-5.2	6.1	7.4	6.5
California	441.9	384.3	365.1	-76.8	-19.2	6.7	5.6	5.4
Colorado	25.4	24.6	30.8	5.4	6.2	3.4	3.2	3.9
Connecticut	83.0	71.0	70.7	-12.3	-0.4	6.9	6.0	6.0
Delaware	9.0	10.1	16.5	7.4	6.3	4.3	4.9	7.9
District of Columbia	14.6	10.2	11.8	-2.9	1.5	4.0	2.9	3.3
Florida	113.0	92.7	92.8	-20.2	0.1	4.3	3.6	3.6
Georgia	60.6	57.5	61.8	1.7	4.3	4.3	4.1	4.4
Hawaii	18.1	13.8	13.1	-5.0	-0.8	5.7	4.3	4.1
Idaho	14.7	15.9	15.5	0.7	-0.5	6.8	7.0	6.8
Illinois	266.8	199.6	218.1	-48.7	18.5	7.0	5.4	5.8
Indiana	63.4	55.3	73.0	9.6	17.7	3.8	3.4	4.5
Iowa	37.5	33.7	34.9	-2.6	1.2	4.6	4.1	4.3
Kansas	21.3	25.3	23.7	2.4	-1.6	3.5	4.0	3.7
Kentucky	46.9	52.8	54.4	7.5	1.6	5.5	6.1	6.3
Louisiana	42.0	50.6	52.7	10.7	2.1	4.1	4.7	4.9
Maine	22.6	26.0	24.1	1.6	-1.9	8.0	8.9	8.3
Maryland	56.0	56.1	70.8	14.8	14.7	4.9	4.9	6.2
Massachusetts	137.0	116.7	113.6	-23.4	-3.1	7.0	6.1	5.9
Michigan	206.8	203.5	194.2	-12.6	-9.3	7.4	7.0	6.6
Minnesota	72.1	69.6	70.1	-2.0	0.4	5.2	5.0	5.0
Mississippi	22.4	23.5	25.0	2.6	1.5	4.2	4.3	4.5
Missouri	78.5	81.1	76.9	-1.6	4.2	5.5	5.6	5.3
Montana	13.2	14.9	13.6	0.4	-1.2	7.6	7.3	6.7
Nebraska	19.9	14.3	15.2	-4.8	0.9	4.6	3.2	3.4
Nevada	15.0	14.2	13.3	-1.7	0.9	7.0	6.3	5.9
New Hampshire	12.1	9.8	9.7	-2.3	0.0	4.8	3.8	3.8
New Jersey	172.6	169.8	177.2	4.7	7.4	7.7	7.6	7.9
New Mexico	14.2	13.7	13.7	-0.5	0.0	5.4	4.9	4.9
New York	365.1	352.1	377.3	12.2	25.2	6.3	6.2	6.7
North Carolina	71.9	90.5	77.7	5.9	-12.8	4.3	5.3	4.6
North Dakota	7.1	9.1	9.4	2.2	0.2	5.0	6.1	6.2
Ohio	158.5	159.5	190.8	32.2	31.3	4.2	4.3	5.1
Oklahoma	28.8	27.2	25.9	-2.9	-1.2	4.1	3.7	3.5
Oregon	55.4	53.8	53.1	-2.3	-0.8	7.3	6.9	6.8
Pennsylvania	273.3	285.5	330.7	57.4	45.1	7.2	7.6	8.8
Puerto Rico ²	24.6	25.6	24.4	-0.2	-1.2	7.9	8.1	7.7
Rhode Island	38.4	34.9	37.2	-1.2	2.3	4.8	4.3	4.6
South Carolina	6.2	6.0	7.2	1.0	1.1	4.1	3.8	4.5
South Dakota	64.3	89.1	77.9	13.6	-11.2	5.2	7.1	6.2
Tennessee	70.4	67.8	72.9	2.5	5.1	1.9	1.8	1.9
Texas	18.2	17.0	18.2	0.0	1.2	5.4	4.9	5.2
Utah	9.9	9.9	9.7	-0.2	-0.2	7.6	7.4	7.3
Vermont	36.2	35.5	55.1	18.9	19.6	2.6	2.3	3.6
Virginia	92.3	86.1	85.7	-6.5	-0.4	9.3	8.4	8.4
Washington	28.9	29.2	50.2	21.3	21.0	6.3	5.9	10.2
West Virginia	100.1	84.3	85.0	-15.1	0.7	6.3	5.5	5.6
Wisconsin	3.4	3.4	3.5	0.1	0.1	3.2	3.0	3.1
Wyoming	61.3	72.4	68.4	7.1	-4.0	12.8	15.2	14.4

¹ Based on unrounded data; changes of less than 50 not shown.

³ Figures do not include claimants receiving benefits under extended benefit provisions.

² Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment¹ in 150 major labor areas²

[In thousands, for week including the 12th of the month]

State and area	Feb. 1976	Feb. 1977	State and area	Feb. 1976	Feb. 1977	State and area	Feb. 1976	Feb. 1977	State and area	Feb. 1976	Feb. 1977
ALABAMA			INDIANA—			NEW JERSEY			PENNSYLVANIA—		
Birmingham	11.5	13.5	Continued			Atlantic City	8.3	8.2	Continued		
Mobile	4.5	6.2				Jersey City	18.1	21.6			
ARIZONA			Gary-Hammond—	7.3	10.0	Newark	44.7	41.8	Northeast	22.6	24.0
Phoenix	18.9	15.4	East Chicago	12.0	12.1	New Brunswick—			Pennsylvania	99.8	120.2
ARKANSAS			Indianapolis	3.4	3.9	Perth Amboy—	14.2	13.3	Philadelphia	47.4	64.9
Little Rock—			South Bend	2.3	2.9	Sayreville			Pittsburgh	6.8	7.2
North Little			Terre Haute			Paterson—Clifton—	12.5	13.5	Reading	7.9	8.8
Rock	4.0	4.3	IOWA			Passaic	5.1	4.1	York		
CALIFORNIA			Cedar Rapids	2.5	2.1	Trenton			PUERTO RICO	2.4	2.8
Anaheim—S. Ana—			Des Moines	4.7	4.2	NEW MEXICO			Mayaguez	4.8	4.9
Garden Grove	27.8	20.9	KANSAS			Albuquerque	6.7	6.2	Ponce	13.7	14.8
Fresno	11.0	10.3	Wichita	4.9	5.7	NEW YORK			San Juan		
Los Angeles—Long			KENTUCKY			Albany—			RHODE ISLAND		
Beach	142.8	115.5	Louisville	13.5	11.4	Schenectady—			Providence—		
Riverside—San			LOUISIANA			Troy	13.6	14.2	Warwick—		
Bernardino—			Baton Rouge	3.5	5.8	Binghamton	4.7	4.5	Pawtucket	24.6	23.6
Ontario	23.0	18.8	New Orleans	12.1	14.4	Buffalo	29.7	46.3	SOUTH CAROLINA		
Sacramento	20.1	17.5	Shreveport	5.1	4.6	New York City	231.3	223.1	Charleston	4.1	3.5
San Diego	32.7	27.6	MAINE			Combined Areas.			Greenville—		
San Francisco—			Portland	1.7	2.8	(a) N.Y. City			Spartanburg	7.4	6.1
Oakland	65.2	56.3	MARYLAND			plus Rockland,			TENNESSEE		
San Jose	25.7	18.8	Baltimore	31.5	40.8	Putnam, and			Chattanooga	4.6	7.7
Stockton	10.5	8.4	MASSACHUSETTS			Westchester Cos.	179.5	171.8	Knoxville	7.2	9.0
COLORADO			Boston	61.8	47.5	(b) Nassau—			Memphis	13.3	13.2
Denver—Boulder ..	15.1	18.3	Brockton	3.8	3.6	Suffolk	51.8	51.2	Nashville—	10.0	9.6
CONNECTICUT			Fall River	4.9	5.4	Rochester	18.8	10.0	Davidson		
Bridgeport	10.9	9.1	Lawrence—			Syracuse	12.3	12.3	TEXAS		
Hartford	16.9	14.5	Haverhill	8.8	7.3	Utica—Rome	7.6	8.0	Austin	2.6	2.3
New Britain	4.4	3.9	Lowell	5.3	4.2	NORTH CAROLINA			Beaumont—		
New Haven—			New Bedford	6.2	5.2	Asheville	2.3	2.2	Port Arthur—	3.4	3.7
West Haven	9.8	11.0	Springfield—			Charlotte—			Orange	1.8	2.6
Waterford	7.5	6.7	Chicopee—	12.8	10.0	Gastonia	7.8	6.1	Corpus Christi	11.8	9.2
Stamford	5.1	3.7	Holyoke	8.0	5.9	Greensboro—			Dallas	4.5	6.4
DELAWARE			Worcester			Winston-Salem—			El Paso	5.2	4.7
Wilmington	7.9	15.4	MICHIGAN			High Point	9.3	10.4	Fort Worth	10.0	10.6
DIST. OF COL.			Battle Creek	5.2	4.9	Raleigh—Durham ..	3.6	4.3	Houston	6.9	6.1
Washington	28.9	28.1	Detroit	95.9	91.7	OHIO			San Antonio		
FLORIDA			Flint	10.6	9.4	Akron	11.4	11.2	UTAH		
Jacksonville	5.8	5.6	Grand Rapids	11.4	9.4	Canton	7.7	10.0	Salt Lake City—	9.2	8.4
Miami	22.9	17.4	Kalamazoo—			Cincinnati	17.2	21.3	Ogden		
Tampa—St.			Portage	4.6	4.5	Cleveland	27.3	28.6	VIRGINIA		
Petersburg	22.6	20.8	Lansing—East			Columbus	14.6	19.5	Newport News—	2.5	4.5
GEORGIA			Lansing	10.7	8.1	Dayton	11.3	12.5	Hampton		
Atlanta	21.7	19.1	Muskegon—			Hamilton—			Norfolk—		
Augusta	4.1	5.5	Muskegon—			Middletown	4.3	7.2	Virginia Beach—	6.2	7.4
Columbus	3.3	3.4	Heights	5.0	5.1	Lorain			Portsmouth	3.2	5.0
Macon	3.2	3.1	Saginaw	4.1	3.4	Elyria	3.0	3.9	Richmond	2.2	3.6
Savannah	2.7	2.3	MINNESOTA			Stuebenville—			Roanoke		
HAWAII			Duluth—			Weirton	1.7	3.0	WASHINGTON		
Honolulu	14.8	10.8	Superior	5.1	5.0	Toledo	12.0	15.7	Seattle	39.8	35.7
ILLINOIS			Minneapolis—			Youngstown—			Spokane	8.4	7.3
Chicago	157.7	126.4	St. Paul	31.1	26.7	Warren	12.5	12.0	Tacoma	11.9	9.3
Davenport—Rock			MISSISSIPPI			OKLAHOMA			WEST VIRGINIA		
Island—			Jackson	1.9	2.4	Oklahoma City	7.6	6.4	Charleston	3.9	5.6
Moline	5.7	5.0	MISSOURI			Tulsa	7.0	6.6	Huntington—	4.2	6.6
Peoria	5.9	6.7	Kansas City	20.3	18.1	OREGON			Ashland	3.6	5.4
Rockford	7.6	4.7	St. Louis	43.7	43.7	Portland	24.5	21.8	Wheeling		
INDIANA			NEBRASKA			PENNSYLVANIA			WISCONSIN		
Evansville	3.6	3.2	Omaha	9.4	8.1	Allentown—			Kenosha	9.4	6.3
Ft. Wayne	5.2	5.0	NEW HAMPSHIRE			Bethlehem—			Madison	7.7	6.4
			Manchester	2.8	2.0	Easton	19.1	18.0	Milwaukee	22.4	17.4
						Altoona	2.9	3.8	Racine	5.2	4.2
						Erie	7.9	8.4			
						Harrisburg	8.1	8.5			
						Johnstown	5.8	9.4			
						Lancaster	6.5	9.1			

¹ Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs excludes extended benefit claims.

² For full name of labor area and definition of area, see Area Trends in Employment and Unemployment published by the Employment and Training Administration.

* Information not available.

ESTABLISHMENT DATA

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

The seasonal adjustment factors for the components of the Consumer Price Index have been revised to reflect developments during 1976. The series shown below use the seasonally adjusted CPI in their computation and have been revised accordingly. In addition, some average hourly earnings and average weekly hours data were revised due to the interim revision of the employment data in the establishment series. (See February issue of *Employment and Earnings* for details on the interim revision.)

The seasonally adjusted real spendable earnings series has also been corrected historically for a rounding inconsistency which occurred during the seasonal adjustment revision of the establishment data introduced in the December 1976 issue of *Employment and Earnings*. Since this series is being published historically from January 1964, the other earnings series are included covering the same period for the convenience of the user.

Seasonally adjusted weekly earnings (in 1967 dollars) appear currently in table C-8. They are also published along with hourly earnings figures (in 1967 dollars) in the Real Earnings press release.

EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON TOTAL PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1964 TO DATE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
GROSS AVERAGE HOURLY EARNINGS - CURRENT DOLLARS												
1964.....	2.32	2.33	2.33	2.34	2.35	2.35	2.36	2.37	2.38	2.37	2.39	2.40
1965.....	2.40	2.42	2.43	2.43	2.45	2.45	2.45	2.46	2.47	2.49	2.50	2.50
1966.....	2.51	2.52	2.53	2.54	2.55	2.56	2.57	2.57	2.59	2.60	2.61	2.61
1967.....	2.62	2.63	2.64	2.65	2.65	2.67	2.69	2.70	2.70	2.71	2.73	2.74
1968.....	2.76	2.77	2.79	2.81	2.82	2.84	2.85	2.86	2.89	2.90	2.92	2.94
1969.....	2.95	2.97	2.98	2.99	3.02	3.04	3.05	3.07	3.09	3.10	3.12	3.13
1970.....	3.13	3.15	3.17	3.18	3.19	3.21	3.23	3.26	3.26	3.27	3.29	3.31
1971.....	3.34	3.37	3.38	3.40	3.42	3.44	3.45	3.47	3.47	3.49	3.50	3.54
1972.....	3.58	3.59	3.61	3.63	3.64	3.65	3.66	3.68	3.70	3.74	3.75	3.77
1973.....	3.80	3.81	3.83	3.87	3.88	3.90	3.93	3.95	3.98	3.99	4.02	4.04
1974.....	4.06	4.08	4.10	4.12	4.17	4.22	4.24	4.27	4.31	4.34	4.36	4.39
1975.....	4.41	4.43	4.45	4.47	4.49	4.52	4.55	4.58	4.60	4.63	4.67	4.69
1976.....	4.72	4.75	4.77	4.79	4.84	4.85	4.88	4.91	4.92	4.95	5.00	5.02
GROSS AVERAGE HOURLY EARNINGS - 1967 DOLLARS												
1964.....	2.50	2.52	2.51	2.52	2.53	2.53	2.54	2.55	2.56	2.54	2.56	2.56
1965.....	2.56	2.58	2.59	2.58	2.60	2.59	2.59	2.60	2.61	2.63	2.63	2.62
1966.....	2.63	2.62	2.63	2.63	2.63	2.64	2.64	2.63	2.64	2.64	2.65	2.65
1967.....	2.65	2.66	2.67	2.67	2.67	2.68	2.69	2.69	2.68	2.68	2.69	2.69
1968.....	2.70	2.71	2.71	2.73	2.73	2.73	2.73	2.73	2.75	2.74	2.75	2.76
1969.....	2.76	2.77	2.76	2.75	2.77	2.77	2.77	2.78	2.78	2.78	2.78	2.77
1970.....	2.76	2.76	2.77	2.76	2.75	2.76	2.77	2.79	2.78	2.77	2.77	2.78
1971.....	2.80	2.82	2.82	2.83	2.83	2.83	2.83	2.84	2.84	2.85	2.85	2.88
1972.....	2.90	2.90	2.91	2.92	2.92	2.92	2.92	2.93	2.93	2.96	2.96	2.96
1973.....	2.97	2.96	2.95	2.96	2.95	2.95	2.96	2.93	2.94	2.93	2.92	2.92
1974.....	2.90	2.88	2.86	2.86	2.86	2.87	2.87	2.85	2.84	2.84	2.83	2.83
1975.....	2.82	2.81	2.82	2.81	2.82	2.81	2.81	2.81	2.82	2.82	2.83	2.82
1976.....	2.82	2.84	2.84	2.84	2.86	2.85	2.85	2.86	2.85	2.86	2.88	2.88
GROSS AVERAGE WEEKLY EARNINGS - CURRENT DOLLARS												
1964.....	89.09	90.17	90.17	90.79	90.95	90.95	91.33	91.72	91.39	91.72	92.49	93.12
1965.....	93.12	93.90	94.53	94.04	95.06	94.82	94.82	95.20	95.10	96.36	96.75	97.00
1966.....	97.14	97.78	98.16	98.30	98.43	98.82	99.20	99.20	99.72	100.10	100.22	99.96
1967.....	100.61	100.20	100.32	100.44	100.70	101.19	101.95	102.60	102.60	102.71	103.74	103.85
1968.....	104.05	104.98	105.46	105.66	106.88	107.64	107.73	108.11	109.53	109.62	109.79	110.54
1969.....	111.51	111.67	112.64	112.72	113.85	114.30	114.68	115.74	116.49	116.25	117.00	117.38
1970.....	117.38	117.81	118.24	118.30	118.67	119.09	120.16	120.95	119.97	120.66	121.40	122.14
1971.....	123.58	124.35	125.06	125.46	126.54	127.28	126.96	128.04	127.35	129.13	129.85	131.33
1972.....	132.82	133.19	133.93	135.04	135.04	135.78	135.79	136.53	137.64	139.13	139.13	139.49
1973.....	140.60	141.35	142.48	143.96	143.95	144.69	145.80	145.76	147.26	147.23	148.74	149.08
1974.....	149.00	150.14	150.47	150.38	153.04	154.87	155.61	156.28	157.75	158.41	157.83	158.92
1975.....	159.64	159.48	159.76	160.47	161.64	162.72	163.80	165.34	166.06	167.61	169.52	170.25
1976.....	171.81	172.90	172.67	172.92	175.69	175.09	176.17	177.25	177.12	178.70	181.00	181.72
GROSS AVERAGE WEEKLY EARNINGS - 1967 DOLLARS												
1964.....	96.12	97.39	97.29	97.90	98.01	97.90	98.27	98.68	98.15	98.38	98.96	99.49
1965.....	99.39	100.21	100.81	100.00	100.82	100.16	100.19	100.70	100.39	101.61	101.77	101.67
1966.....	101.71	101.72	101.86	101.63	101.58	101.83	102.03	101.41	101.69	101.68	101.77	101.39
1967.....	101.94	101.31	101.44	101.35	101.41	101.49	101.95	102.19	101.89	101.69	102.31	102.11
1968.....	101.91	102.52	102.59	102.58	103.37	103.60	103.19	103.16	104.22	103.71	103.38	103.79
1969.....	104.41	104.07	104.30	103.79	104.45	104.29	104.16	104.65	104.85	104.17	104.28	103.97
1970.....	103.42	103.25	103.18	102.69	102.48	102.58	103.14	103.46	102.19	102.25	102.36	102.55
1971.....	103.50	104.06	104.39	104.38	104.75	104.84	104.32	104.95	104.30	105.58	105.91	106.69
1972.....	107.63	107.50	107.92	108.55	108.29	108.71	108.29	108.70	109.15	109.98	109.64	109.66
1973.....	109.93	109.74	109.68	109.98	109.38	109.28	109.95	108.05	108.76	107.94	108.17	107.64
1974.....	106.50	106.03	105.08	104.43	105.11	105.43	105.21	104.33	104.13	103.67	102.42	102.33
1975.....	102.01	101.32	101.11	101.05	101.34	101.26	100.99	101.62	101.63	101.95	102.55	102.50
1976.....	102.82	103.35	102.96	102.68	103.65	102.37	103.02	103.17	102.74	103.29	104.32	104.32

See footnotes at end of table.

ESTABLISHMENT DATA

EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON TOTAL PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1964 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
SPENDABLE AVERAGE WEEKLY EARNINGS ² - CURRENT DOLLARS												
1964.....	80.78	81.64	81.64	82.14	82.27	82.27	82.57	82.88	82.62	82.88	83.50	84.03
1965.....	84.65	85.32	85.85	85.43	86.30	86.10	86.10	86.42	86.34	87.39	87.72	87.93
1966.....	87.32	87.83	88.13	88.24	88.35	88.66	88.96	88.96	89.38	89.68	89.78	89.57
1967.....	89.89	89.56	89.65	89.75	89.96	90.35	90.95	91.47	91.47	91.56	92.38	92.46
1968.....	92.62	93.36	93.75	93.61	94.55	95.13	95.20	95.49	96.57	96.64	96.77	97.34
1969.....	97.64	97.76	98.50	98.56	99.42	99.76	100.05	100.85	101.43	101.25	101.82	102.11
1970.....	102.98	103.30	103.64	103.69	103.98	104.32	105.16	105.79	105.01	105.56	106.14	106.73
1971.....	109.49	110.10	110.66	110.97	111.82	112.41	112.15	113.01	112.46	113.86	114.44	115.59
1972.....	118.46	118.75	119.34	120.21	120.21	120.79	120.80	121.39	122.26	123.43	123.43	123.72
1973.....	123.68	124.26	125.13	126.28	126.27	126.84	127.69	127.66	128.82	128.80	129.96	130.23
1974.....	130.16	131.04	131.30	131.23	133.28	134.69	135.26	135.78	136.91	137.42	136.98	137.82
1975.....	138.38	138.25	138.47	139.00	146.35	147.20	148.04	149.24	149.81	151.02	152.48	153.04
1976.....	153.07	153.91	153.73	153.93	156.05	155.60	156.41	157.22	157.13	158.31	160.04	160.58
SPENDABLE AVERAGE WEEKLY EARNINGS ² - 1967 DOLLARS												
1964.....	87.15	88.17	88.09	88.57	88.65	88.56	88.84	89.17	88.73	88.90	89.34	89.78
1965.....	90.35	91.06	91.55	90.84	91.53	90.95	90.98	91.41	91.14	92.15	92.27	92.16
1966.....	91.42	91.37	91.45	91.23	91.18	91.36	91.49	90.94	91.15	91.09	91.17	90.85
1967.....	91.07	90.56	90.65	90.57	90.59	90.62	90.95	91.11	90.83	90.65	91.10	90.91
1968.....	90.71	91.17	91.20	90.88	91.44	91.56	91.19	91.12	91.88	91.43	91.12	91.40
1969.....	91.42	91.11	91.20	90.76	91.21	91.02	90.87	91.18	91.30	90.73	90.75	90.44
1970.....	90.73	90.53	90.44	90.01	89.79	89.85	90.27	90.50	89.45	89.46	89.49	89.61
1971.....	91.70	92.13	92.37	92.32	92.57	92.59	92.15	92.63	92.10	93.10	93.34	93.90
1972.....	96.00	95.84	96.16	96.63	96.40	96.71	96.33	96.65	96.95	97.57	97.27	97.26
1973.....	96.70	96.48	96.33	96.47	95.95	95.80	96.30	94.63	95.14	94.43	94.52	94.03
1974.....	93.04	92.54	91.69	91.13	91.54	91.69	91.45	90.64	90.37	89.93	88.89	88.74
1975.....	88.42	87.83	87.64	87.53	91.76	91.60	91.27	91.73	91.68	91.86	92.24	92.14
1976.....	91.60	92.00	91.67	91.41	92.06	91.42	91.47	91.51	91.14	91.51	92.24	92.18

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

² Calculated for married workers with 3 dependents who earned the average weekly earnings.

Explanatory Notes

Introduction

Household Data (A tables)

Establishment Data (B, C, and D tables)

State and Area Unemployment Data (E table)

Unemployment Insurance Data (F tables)

Seasonal Adjustment

Introduction

The statistics in this periodical are compiled from three major sources: (1) Household interviews, (2) reports from employers, and (3) administrative statistics of unemployment insurance systems.

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, household 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 47,000 households, representing 461 areas in 923 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 detailed 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.

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the three-fourths of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume, and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-Armed Forces personnel, and railroad workers. These statistics are published by the Employment and Training Administration, U.S. Department of Labor, in "Unemployment Insurance Claims."

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 de-

rived 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 nonagricultural establishments.

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

ployers. 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, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

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, churches and most local government activities are not covered by unemployment insurance whereas these are included in BLS establishment statistics.

Household data

(A tables)

COLLECTION AND COVERAGE

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

dar 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, 47,000 occupied units are eligible for interview. About 2,000 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 47,000 occupied units, there are 8,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of

the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS

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 (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by 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) Re-entrants 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 a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community

organization, or waiting at a designated pick-up point.

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

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

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-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," persons who worked between 1 and 34 hours are designated as working "part-time." Part-time workers are classified by their usual status at their present job (either full 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 are observed 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, Eskimos, Orientals, 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.

Spanish 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 Spanish 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 activities are published every month in table A-7 for 16-21 year-olds by employment status, race,

sex, and, if unemployed, whether seeking full- or part-time work.

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and April 30, 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.

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 job-seeking 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.

Changes in occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census 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 nonfarm 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 presenta-

tion, 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*.

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.

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 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 Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population 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.* This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample pro-

portions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates 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. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal 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. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

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

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find

Table A. Average standard error of major employment status categories

[In thousands]

Employment status and sex	Average standard error of --	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force.....	205	150
Total employment.....	219	155
Agriculture.....	95	60
Nonagricultural employment.....	210	155
Unemployment.....	105	106
MALES		
Labor force.....	115	95
Total employment.....	125	100
Agriculture.....	85	55
Nonagricultural employment.....	130	105
Unemployment.....	81	89
FEMALES		
Labor force.....	140	110
Total employment.....	140	110
Agriculture.....	35	25
Nonagricultural employment.....	140	110
Unemployment.....	74	83

Table B. Standard error of level of monthly estimates

[In thousands]

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10.....	4	4	6	4	6	4
50.....	9	9	11	9	11	9
100.....	12	12	16	12	16	12
250.....	20	17	25	17	25	17
500.....	30	25	34	25	34	25
1,000.....	40	35	50	35	50	35
2,500.....	60	40	75	40	75	40
5,000.....	85	45	90	--	90	--
10,000.....	115	--	115	--	115	--
20,000.....	150	--	125	--	125	--
30,000.....	170	--	--	--	--	--
40,000.....	180	--	--	--	--	--

the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total

Table C. Standard error of estimates of month-to-month change

[In thousands].

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage									50
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65		
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3	
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1	
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1	
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2	
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3	
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6	
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3	
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0	
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7	
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4	
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3	
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3	

than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers)	.12	.14	OCCUPATION—Continued		
Males, 20 years and over	.14	.17	Blue-collar workers	.23	.28
Females, 20 years and over	.19	.24	Craft and kindred workers	.32	.39
Both sexes, 16-19 years	.56	.72	Operatives	.36	.46
White workers	.12	.15	Nonfarm laborers	.66	.84
Black (and other) workers	.43	.55	Service workers	.32	.40
Household heads	.12	.15	Farm workers	.43	.53
Married men	.13	.16	INDUSTRY		
Full-time workers	.12	.15	Nonagricultural private wage and salary workers	.14	.17
Part-time workers	.35	.44	Construction	.75	.95
Unemployed 15 weeks and over	.06	.07	Manufacturing	.27	.34
Labor force time lost	.12	.15	Durable goods	.36	.45
OCCUPATION			Nondurable goods	.43	.54
White-collar workers	.13	.15	Transportation and public utilities	.41	.52
Professional and technical	.20	.24	Wholesale and retail trade	.28	.35
Managers and administrators except farm	.23	.28	Finance and service industries	.23	.29
Sales workers	.39	.48	Government wage and salary workers	.19	.24
Clerical workers	.24	.30	Agricultural wage and salary workers	1.11	1.39

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in non-agricultural 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 for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability

and accuracy of reporting, since the respondent can see the figures he has 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 most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1967.

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.

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 and 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 contract 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 plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

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

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and similar occupational levels, and other employees 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, reflecting 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. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. 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 causes, 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 service 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 the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked 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 gross 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.

Hours and earnings for total private nonagricultural industries. The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages*, *County Business Patterns* of the Bureau of the Census, and additional supporting information such as The Hospital Guide, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints are available upon request.

Railroad hours and earnings. The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. 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 and his marital status, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. 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 either none 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 are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power 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 nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing

industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December, 1974 issue of *Employment and Earnings*.

Labor turnover

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

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

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, 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 F. 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" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1974 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 relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions due to benchmark adjustment for the last 3 years is shown in table G.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings, United States*.

Table F. Summary of methods for computing industry statistics on employment, hours, 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.	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) ratio of women to all employees.	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	Average, weighted by production or nonsupervisory employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers.	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.	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 and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production or nonsupervisory worker employment multiplied by weekly 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	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

Table G. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1971, 1973, and 1974

Industry division	1971	1973 ¹	1974
Total	100.2	98.4	99.9
Mining	99.8	96.5	97.0
Contract construction	96.9	90.4	100.6
Manufacturing	100.4	98.9	99.9
Transportation and public utilities	100.9	99.3	100.0
Wholesale and retail trade	100.3	97.8	100.1
Finance, insurance, and real estate	100.2	99.5	98.9
Services	100.4	99.1	99.3
Government	100.0	99.5	100.6

¹ 2-year 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. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large 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 accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than 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 H 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 I shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table H. Approximate size and coverage of BLS employment and payrolls sample, March 1974¹

Industry division	Number of establishments in samples	Employees	
		Number reported	Percent of total
Total	158,400	31,637,000	41
Mining	2,100	307,000	46
Contract construction	16,500	771,000	20
Manufacturing	47,000	11,821,000	59
Transportation and public utilities:			
Railroad transportation (ICC)	95	537,000	94
Other transportation and public utilities	7,300	2,181,000	53
Wholesale and retail trade	38,200	3,050,000	18
Finance, insurance, and real estate	10,100	1,507,000	36
Services	23,500	2,740,000	20
Government:			
Federal (Civil Service Commission) ²	3,200	2,691,000	100
State and local	10,400	6,032,000	52

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 the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,200 reports covering about 53 percent of employment in Federal establishments.

Table I. Approximate size and coverage of BLS labor turnover sample, March 1974

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communications:		
Telephone	734,270	74
Telegraph	13,040	61

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. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for 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 J and for individual industries with the specified number of employees in table K. 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

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private .....	.1	0.1	0.2
Mining	1.2	.5	.5
Contract construction	1.2	.2	.3
Manufacturing .....	.3	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.3	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.3	.1	.2
Wholesale	1.0	.2	.3
Retail .....	.2	.2	.2
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.8
Government ³ .....	.6	-	-

¹ Relative errors relate to March 1971 data.

² The average percent revision in employment for the 1967-71 and 1974 benchmarks.

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.

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 experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table L 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 K. 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 (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	9,600	.4	.8
1,000,000	13,000	.3	.5
2,000,000	16,800	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	1,000	900
200,000	1,700	1,700
500,000	2,600	2,400
1,000,000	5,000	4,900
2,000,000	9,000	8,700
10,000,000	29,000	26,000
Total nonagricultural employment	98,000	87,000
Mining	5,000	5,000
Contract construction	20,000	21,000
Manufacturing	45,000	42,000
Transportation and public utilities	13,000	11,000
Wholesale and retail trade	35,000	32,000
Finance, insurance, and real estate	7,000	7,000
Services	29,000	23,000
Government	44,000	42,000

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.

Definitions

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

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

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

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index.

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* includes 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 businesses.

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)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates 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 Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—Unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates

for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation.

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 the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, 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) the proportion of the working age population that is considered "youth". The composite estimate of total entrants is defined as:

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

3. *Adjustment for additivity.* Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the

mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. *Benchmark correction and extrapolation procedures.* Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages.

First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook 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.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Unemployment insurance data

(F tables)

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights and workers who have not earned rights to unemployment insurance. In general, excluded from coverage are those persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, some State and local government and self-employment. Also excluded from the insured unemployment count, but included as employed in the household survey, are those persons who earned no wages during the payroll period because they were temporarily absent from their jobs due to taking time off, illness and industrial dispute as well as unpaid vacations. The rate of insured employment is the number of insured unemployed

expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continued to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Employment and Training Administration, Washington, D.C. 20210.

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 methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of

the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method // 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. All other series are adjusted following past procedures.

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 1976, 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 1977 *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, 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 average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing seasonally adjusted average weekly earnings by the seasonally adjusted Consumer Price Index. 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 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 August 1976. Seasonal factors to be used for current adjustment appear in the December 1976 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

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