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PRODUCTIVITY AND COSTS  
First Quarter 1994  
Business, Nonfarm Business, Manufacturing, and  
Nonfinancial Corporations

The Bureau of Labor Statistics of the U.S. Department of Labor today reported revised productivity data-as measured by output per hour of all persons-for the first quarter of 1994. The revised seasonally-adjusted annual rates of productivity change in the first quarter were:

1.1 percent in the business sector, and  
1.3 percent in the nonfarm business sector.

In both sectors, productivity and output gains were much smaller than in the fourth quarter.

In manufacturing, productivity changes in the first quarter were:

6.9 percent in manufacturing,  
8.5 percent in durable goods manufacturing, and  
4.4 percent in nondurable goods manufacturing.

Although slower than during the fourth quarter of 1993, the strong first-quarter productivity advance in manufacturing reflects continued strong output growth in durable goods industries along with improved output growth among nondurables. Output and hours in manufacturing, which includes about 20 percent of U.S. business-sector employment, tend to change more from quarter to quarter than in the business and nonfarm business sectors. First-quarter measures are summarized in table A and appear in detail in tables 1 through 5.

Output measures for business and nonfarm business are based on measures of gross domestic product prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce. Quarterly output measures for manufacturing reflect independent indexes of industrial production prepared by the Board of Governors of the Federal Reserve System. See Technical Notes for further information on data sources (page 9).

In nonfinancial corporations, productivity was unchanged in the first quarter of 1994, as both output and hours rose 3.5 percent (tables B and 6).

NOTE: Revisions in labor input data based on the annual benchmark of the Current Employment Statistics survey are being introduced at this time, along with new seasonal adjustment factors. See Revised Measures on page 5.

Table A. Productivity and costs: Revised first-quarter 1994 measures (Seasonally adjusted annual rates)

Sector	Produc- tivity	Output	Hours	Real		
				Hourly compen- sation	hourly compen- sation	Unit labor costs
Percent change from preceding quarter						
Business	1.1	3.8	2.6	5.3	3.1	4.1
Nonfarm business	1.3	3.6	2.3	5.3	3.1	3.9
Manufacturing	6.9	8.1	1.1	5.1	2.9	-1.7
Durable	8.5	10.9	2.3	6.1	3.9	-2.2
Nondurable	4.4	4.0	-0.4	3.3	1.2	-1.1
Percent change from same quarter a year ago						
Business	2.7	5.1	2.3	3.4	0.9	0.7
Nonfarm business	2.6	5.2	2.5	3.2	0.7	0.6
Manufacturing	5.6	5.6	0.1	3.8	1.2	-1.7
Durable	7.7	8.2	0.5	3.9	1.3	-3.5
Nondurable	2.5	2.0	-0.5	3.6	1.0	1.1

#### Business

From the fourth quarter of 1993 to the first quarter of 1994, business productivity increased at a 1.1 percent annual rate. Output rose 3.8 percent and hours of all persons engaged in the sector increased 2.6 percent (seasonally adjusted annual rates). The increase in hours reflected a large gain in employment and a decline in average weekly hours. During the fourth quarter of 1993, productivity had gone up 6.8 percent (as revised), and output and hours rose 9.6 and 2.6 percent, respectively (table 1).

Hourly compensation increased 5.3 percent during the first quarter of 1994, compared with a 2.5 percent rise in the fourth quarter of 1993. This measure includes wages and salaries, supplements, employer contributions to employee benefit plans, and taxes. Unit labor costs, which reflect changes in hourly compensation and productivity, increased at a 4.1 percent annual rate during the first quarter. This was the largest increase in these costs in a year, and it reversed the 4.1 percent decline of the fourth quarter of 1993.

Real hourly compensation, which takes into account changes in the Consumer Price Index for All Urban Consumers (CPI-U), increased at a 3.1 percent annual rate in the first quarter; it had fallen 0.5 percent in the fourth quarter of 1993. The first-quarter 1994 increase was the largest since 1990 (when a 3.2 percent increase was recorded in the second quarter).

The implicit price deflator for business output, which reflects changes in unit labor costs and unit nonlabor payments, increased 1.5 percent in the first quarter, compared with a 1.1 percent increase during the fourth quarter of 1993.

#### Nonfarm business

Productivity rose 1.3 percent in nonfarm businesses during the first quarter of 1994 as output rose 3.6 percent and hours of all persons increased 2.3 percent. During the fourth quarter of 1993, productivity rose 6.1 percent in nonfarm businesses, reflecting gains of 8.9 percent in output and 2.7 percent in hours (table 2).

Hourly compensation increased at a 5.3 percent annual rate in the first quarter, compared with a 2.5 percent increase one quarter earlier. When the rise in the CPI-U is taken into account, real hourly compensation rose 3.1 percent in the first quarter, the largest quarterly gain since 1987 (when a 4.3 percent gain was recorded in the fourth quarter). Unit labor costs rose 3.9 percent, compared with a 3.4 percent drop during the fourth quarter of 1993.

The implicit price deflator for nonfarm business output rose 1.2 percent in the first quarter, compared with a 0.6 percent rise one quarter earlier.

#### Manufacturing

Productivity increased 6.9 percent in manufacturing in the first quarter of 1994, as output rose 8.1 percent and hours of all persons increased 1.1 percent (seasonally adjusted annual rates). The increase in hours reflected a small increase in employment and a slight gain in average weekly hours. Productivity grew strongly in durable goods industries while rising more slowly in nondurables. Output gains in durable goods manufacturing were much greater than in nondurable goods industries (tables 4 and 5).

Hourly compensation of all manufacturing workers increased 5.1 percent during the first quarter—the greatest such increase in more than 2 years. Real hourly compensation rose 2.9 percent when the increase in consumer prices is taken into account. This was the greatest increase since 1991 (when a 3.5 percent increase occurred in the fourth quarter).

Unit labor costs fell at a 1.7 percent annual rate in the first quarter of 1994, the eighth quarter of decline or no growth in the past 9 quarters. These costs had decreased 3.9 percent during the fourth quarter of 1993.

Table B. Nonfinancial corporations: Preliminary first-quarter productivity and cost measures  
(Seasonally adjusted annual rates)

Period	Productivity	Output	Hours	Real			Unit profits	Implicit price deflator
				Hourly compensation	hourly compensation	Unit-labor costs		
Percent change from preceding quarter								
1994 I	0.0	3.5	3.5	3.7	1.6	3.7	-17.5	2.2
Percent change from preceding year								
1994 I	3.2	5.9	2.7	2.8	0.2	-0.4	10.8	0.8

#### Nonfinancial corporations

Preliminary first-quarter 1994 measures of productivity and costs also were announced today for nonfinancial corporations (tables B and 6). Productivity was unchanged in the first quarter, as output and hours both increased 3.5 percent (seasonally adjusted annual rates). It was the first quarter in a year that productivity did not advance. In the fourth quarter of 1993, productivity had increased 5.7 percent. Nonfinancial corporations include are all corporations doing business in the United States, except banks, stock and commodity brokers, and finance and insurance agencies.

Hourly compensation increased 3.7 percent, or 1.6 percent in real terms when the rise in the CPI-U is taken into account (table 6).

Unit labor costs for nonfinancial corporations increased 3.7 percent in the first quarter, compared with a 3.4 percent drop in the fourth quarter of 1993, ending a period of 3 consecutive quarterly declines in this series. Unit nonlabor costs rose 7.1 percent, and unit profits fell 17.5 percent. During the fourth quarter of 1993, unit nonlabor costs fell 3.7 percent while unit profits rose 45.1 percent (annual rates). The implicit price deflator for nonfinancial corporate output rose 2.2 percent in the first quarter.

Table C shows indexes of the implicit price deflator for nonfinancial corporate output and related series from 1982 forward. Changes in the prices of the goods and services produced by nonfinancial corporations (the implicit price deflator) reflect changes in costs and profits. Total unit costs consist of labor costs and nonlabor costs per unit of output. The table shows that price increases have reflected increases in both costs and profits. From 1982 to 1993, unit profits rose 95.9 percent, compared with a 24.8 percent increase in costs. However, the rise in prices (29.2 percent) was close to the increase in total costs, reflecting the greater proportion of corporate revenues disbursed to labor and nonlabor inputs. Unit nonlabor costs (including capital consumption allowances, interest, and indirect taxes) peaked in 1991 and have declined subsequently.

Table C. Nonfinancial corporations: Prices, costs, and profits  
(Indexes, 1982=100)

Period	Implicit price deflator	Total unit costs	Unit labor costs	Unit nonlabor costs	Unit profits
1982	100.0	100.0	100.0	100.0	100.0
1983	101.8	99.5	99.6	99.3	135.9
1984	105.3	101.1	102.0	98.8	168.4
1985	107.7	103.7	105.2	100.1	168.1
1986	108.6	105.9	107.2	102.4	150.0
1987	111.0	107.0	108.8	102.5	172.1
1988	114.3	109.8	111.1	106.4	183.5
1989	119.0	115.7	116.8	112.9	168.5
1990	123.1	120.1	121.7	116.3	167.5
1991	126.3	124.4	125.4	121.9	154.9
1992	127.6	124.3	126.0	120.2	177.0
1993	129.2	124.8	127.1	119.1	195.9
1993:					
I	129.0	125.4	127.8	119.6	182.8
II	129.3	125.0	127.3	119.2	193.9
III	129.2	125.0	127.2	119.4	193.7
IV	129.3	123.9	126.1	118.3	212.6
1994:					
I	130.1	125.3	127.2	120.3	202.6

#### REVISED MEASURES

Current and previous changes for 1992-93 and for the first quarter of 1994 for business, nonfarm business, and manufacturing are compared in table D. The movements differ from those reported on May 5, mainly reflecting revisions to first-quarter sector output measures from the national income and product accounts, prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce.

With this release of Productivity and Costs, labor input measures have been revised to reflect the regular annual benchmarking of employment levels derived from the monthly Current Employment Statistics survey to more comprehensive counts from unemployment insurance records. Revised seasonal adjustment factors computed for labor input measures also affected measures which depend on these series. Small changes in these series occurred in the years beginning with 1958, but the changes become more significant in 1989. See tables 1-6 and appendix tables 1-6 for the revised data for the years beginning with 1989.

Table D. Previous and revised productivity and related measures  
Quarterly percent change at seasonally adjusted annual rate

Sector	Produc- tivity	Output	Hours	Real		Unit labor costs
				Hourly compen- sation	hourly compen- sation	
First quarter 1994						
Business:						
Previous....	0.5	2.9	2.4	5.5	3.4	5.0
Current ....	1.1	3.8	2.6	5.3	3.1	4.1
Nonfarm business:						
Previous....	0.5	2.6	2.0	5.6	3.4	5.0
Current ....	1.3	3.6	2.3	5.3	3.1	3.9
Manufacturing:						
Previous....	6.6	8.0	1.4	4.7	2.5	-1.7
Current ....	6.9	8.1	1.1	5.1	2.9	-1.7
Annual change, 1992-1993						
Business:						
Previous....	1.8	3.6	1.8	3.8	0.8	2.0
Current ....	1.5	3.6	2.1	3.4	0.4	1.9
Nonfarm business:						
Previous....	1.7	3.9	2.1	3.6	0.6	1.8
Current ....	1.4	3.9	2.4	3.2	0.2	1.8
Manufacturing:						
Previous....	5.1	4.8	-0.3	2.8	-0.2	-2.2
Current ....	4.2	4.8	0.5	1.8	-1.1	-2.3

The monthly Current Population Survey (CPS) is used to provide information on employment and average weekly hours of the self employed, farm employees, private household workers, and unpaid family workers. Average weekly hours collected in the CPS also are used in estimating total hours worked in government enterprises. The computation of about 17 percent of the hours expended to produce business sector output is based on data from the CPS. (The CPS is conducted each month from a sample of about 60,000 households nationwide.) In January 1994, a major redesign of the CPS was implemented and new population controls were introduced. The redesign of the CPS, which improved the accuracy of the monthly labor force and employment information, is explained in several articles in the February 1994 issue of Employment and Earnings, and this new information was incorporated in productivity and cost measures released on May 5. The May 5 Productivity and Costs release (USDLE 94-234) included a discussion of difficulties encountered in incorporating information from the redesigned CPS into productivity and cost measures.

## Next release date

The next release of Productivity and Costs is scheduled for 10:00 AM EDT, Tuesday, August 9, 1994. Preliminary second-quarter measures for business, nonfarm business, and manufacturing will be released at that time.

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The major sector labor and multifactor productivity database containing productivity and costs measures is identified by the two-character survey name MP.

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## TECHNICAL NOTES

**Labor Input:** The primary source of hours and employment data is the BLS Current Employment Statistics (CES) program, which provides monthly survey data on total employment and average weekly hours of production and nonsupervisory workers in nonagricultural establishments. Jobs rather than persons are counted. Weekly hours are adjusted to the hours at work definition using the BLS Hours at Work survey, conducted for this purpose.

Data from the BLS Current Population Survey (CPS) are used for farm labor; in the nonfarm sector, the National Income and Product Accounts (NIPA) prepared by the Bureau of Economic Analysis of the Department of Commerce and the CPS are used to measure labor input for government enterprises, proprietors and unpaid family workers.

**Output:** Business output is equal to gross domestic product (GDP) in constant 1987 dollars, less general government, output of nonprofit institutions, output of paid employees of private households, rental value of owner-occupied dwellings, and the statistical discrepancy in computing the NIPA. Corresponding exclusions are also made in labor inputs. Business output was about 78 percent of GDP in 1992. Nonfarm business, which also excludes farming, was about 77 percent of GDP in 1992.

Total manufacturing measures are computed by summing series prepared for the durable and nondurable goods sectors. Durables include the following 2-digit SIC

industries: Primary metal industries; fabricated metal products; nonelectrical machinery; industrial and commercial machinery and computer equipment; electronic and other electrical equipment; transportation equipment; instruments; lumber and lumber products; furniture and fixtures; stone, clay, and glass and concrete products; and miscellaneous manufactures. Nondurables include: Food and kindred products, tobacco products, textile mill products apparel products, paper and allied products, printing and publishing, chemicals and chemical products, petroleum refining and related industries, rubber and plastic products, leather and leather products. Manufacturing accounted for about 19 percent of GDP in 1992. Quarterly manufacturing output measures are based on the index of industrial production prepared monthly by the Board of Governors of the Federal Reserve System adjusted by BLS to annual manufacturing output levels (gross product originating) from the National Income and Product Accounts prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce.

Nonfinancial corporate output is equal to GDP in constant 1987 dollars, less the output of nonprofit institutions, output of paid employees of private households, rental value of owner-occupied dwellings, unincorporated business, the output of corporations engaged in banking, finance, stock and commodity trading, and credit and insurance agencies, and the statistical discrepancy in computing the NIPA. Nonfinancial corporations accounted for about 56 percent of GDP in 1992.

**Productivity:** These productivity measures describe the relationship between real output and the labor time involved in its production. They show the changes from period to period in the amount of goods and services produced per hour. Although these measures relate output to hours at work of all persons engaged in a sector, they do not measure the specific contribution of labor, capital, or any other factor of production. Rather, they reflect the joint effects of many influences, including changes in technology; capital investment; level of output; utilization of capacity, energy, and materials; the organization of production; managerial skill; and the characteristics and effort of the work force.

Information in this release will be made available to sensory-impaired individuals upon request. Voice phone: 202-606-STAT; TDD phone: 202-606-5897; TDD message referral phone number: 1-800-326-2577.

Table 1. Business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1982=100									
1993	I	r116.2	138.0	r118.8	r158.4	r106.8	r136.3	r152.2	141.6
	II	r116.2	139.3	r119.9	r159.4	r106.7	r137.2	r153.2	142.5
	III	r117.0	140.4	r120.0	r160.7	r107.0	137.4	r154.1	142.8
	IV	r119.0	143.7	r120.8	r161.7	r106.9	r135.9	r158.2	143.2
	ANNUAL	r117.1	140.4	r119.9	r160.0	r106.9	r136.7	r154.5	142.5
1994	I	r119.3	r145.0	r121.6	r163.8	r107.7	r137.3	r157.0	r143.8
Percent change from previous quarter at annual rate(5)									
1993	I	r-2.0	0.5	r2.5	r2.8	r-0.2	r4.9	r-1.3	2.7
	II	r0.1	3.8	r3.7	r2.6	r-0.5	r2.6	2.6	2.6
	III	r2.8	3.2	r0.4	r3.3	r1.4	0.5	r2.2	1.1
	IV	r6.8	9.6	r2.6	r2.5	r-0.5	r-4.1	r11.1	1.1
	ANNUAL	r1.5	3.6	r2.1	r3.4	r0.4	r1.9	r3.2	2.4
1994	I	r1.1	r3.8	r2.6	r5.3	r3.1	r4.1	r-3.0	r1.5
Percent change from corresponding quarter of previous year									
1993	I	r1.8	3.5	r1.7	r4.1	r0.9	r2.2	r2.5	2.3
	II	r1.3	3.6	r2.3	r3.8	r0.6	2.5	r2.2	2.4
	III	r1.0	3.2	r2.2	r3.2	r0.4	r2.1	4.5	3.0
	IV	r1.9	4.2	r2.3	r2.8	r0.1	0.9	r3.6	1.9
	ANNUAL	r1.5	3.6	r2.1	r3.4	r0.4	r1.9	r3.2	2.4
1994	I	2.7	r5.1	r2.3	r3.4	r0.9	r0.7	r3.1	r1.6

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics

Table 2. Nonfarm business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1982=100									
1993	I	r114.3	138.1	r120.8	r157.0	r105.8	r137.3	r153.9	142.7
	II	r114.2	139.5	r122.1	r157.7	r105.5	r138.1	r155.0	143.5
	III	r115.2	140.9	r122.3	r158.9	r105.8	r137.9	r156.5	143.9
	IV	r116.9	143.9	r123.1	r159.9	r105.7	r136.8	r159.6	144.1
	ANNUAL	r115.2	140.6	r122.1	r158.4	r105.8	r137.5	r156.3	143.6
1994	I	r117.3	r145.2	r123.8	r162.0	r106.5	r138.1	r158.2	r144.6
Percent change from previous quarter at annual rate (5)									
1993	I	r-2.3	0.6	r3.0	r2.4	r-0.7	r4.7	r-1.4	2.5
	II	r-0.3	4.0	r4.3	r2.0	r-1.1	2.3	r2.7	2.4
	III	r3.5	4.1	r0.6	r3.1	r1.2	-0.4	r3.9	1.1
	IV	r6.1	8.9	r2.7	r2.5	r-0.5	r-3.4	r8.4	0.6
	ANNUAL	r1.4	3.9	r2.4	r3.2	r0.2	1.8	r3.4	2.3
1994	I	r1.3	r3.6	r2.3	r5.3	r3.1	r3.9	r-3.6	r1.2
Percent change from corresponding quarter of previous year									
1993	I	r1.8	3.6	r1.8	r4.0	r0.8	r2.2	r2.7	2.4
	II	r1.0	3.8	r2.7	r3.4	r0.3	2.4	r2.3	2.3
	III	r1.1	3.7	r2.5	r2.9	r0.1	r1.7	r5.2	2.9
	IV	r1.7	4.4	r2.6	r2.5	r-0.3	0.8	3.3	1.7
	ANNUAL	r1.4	3.9	r2.4	r3.2	r0.2	1.8	r3.4	2.3
1994	I	2.6	r5.2	r2.5	r3.2	r0.7	r0.6	r2.8	1.3

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics

Table 3. Manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
-----							
Indexes 1982=100							
1993	I	r132.2	136.0	r102.9	r148.1	r99.9	112.1
	II	r133.8	137.1	r102.5	r149.6	r100.1	111.8
	III	r134.6	137.9	r102.5	r150.5	r100.2	r111.8
	IV	r137.2	140.9	r102.7	r151.9	r100.4	110.7
	ANNUAL	r134.5	138.0	r102.6	r150.1	r100.2	111.6
1994	I	r139.5	143.6	r102.9	r153.8	r101.1	110.2
-----							
Percent change from previous quarter at annual rate(5)							
1993	I	r4.0	6.1	r2.0	r-2.8	r-5.6	-6.5
	II	r5.0	3.5	r-1.4	r3.9	r0.8	-1.0
	III	r2.6	2.4	r-0.2	r2.6	r0.7	r0.0
	IV	r7.9	8.7	r0.8	r3.7	r0.7	r-3.9
	ANNUAL	r4.2	4.8	r0.5	r1.8	r-1.1	r-2.3
1994	I	r6.9	r8.1	r1.1	r5.1	r2.9	-1.7
-----							
Percent change from corresponding quarter of previous year							
1993	I	r3.9	4.9	r1.0	r1.8	r-1.4	-2.0
	II	r4.0	4.3	r0.2	r1.9	r-1.2	-2.0
	III	r4.3	4.6	r0.4	r2.0	r-0.8	r-2.2
	IV	r4.8	5.2	r0.3	r1.8	r-0.9	r-2.9
	ANNUAL	r4.2	4.8	r0.5	r1.8	r-1.1	r-2.3
1994	I	r5.6	5.6	r0.1	r3.8	r1.2	r-1.7

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics

Table 4. Durable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
-----						
Indexes 1982=100						
1993	I	r145.2	145.2	r100.0	r145.9	r98.4
	II	r147.7	146.7	r99.4	r147.0	r98.4
	III	r148.8	148.0	r99.5	r147.7	r98.4
	IV	r153.2	153.1	r99.9	r149.3	r98.7
	ANNUAL	r148.8	148.3	r99.6	r147.6	r98.6
1994	I	r156.4	157.1	r100.5	r151.6	r99.7
-----						
Percent change from previous quarter at annual rate(5)						
1993	I	r7.0	9.0	r1.9	r-3.9	r-6.7
	II	r7.0	4.4	r-2.5	r3.1	r0.0
	III	r3.0	3.5	r0.5	r2.0	r0.1
	IV	r12.5	14.4	r1.6	r4.5	r1.5
	ANNUAL	r6.5	6.7	r0.3	r1.7	r-1.3
1994	I	r8.5	10.9	r2.3	r6.1	r3.9
-----						
Percent change from corresponding quarter of previous year						
1993	I	r6.1	6.7	r0.5	r1.8	r-1.3
	II	r6.1	6.0	r-0.2	r1.8	r-1.3
	III	r6.4	6.6	r0.2	r1.9	r-0.9
	IV	r7.3	7.7	r0.4	r1.4	r-1.4
	ANNUAL	r6.5	6.7	r0.3	r1.7	r-1.3
1994	I	r7.7	8.2	r0.5	r3.9	r1.3
-----						

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics

Table 5. Nondurable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
Indexes 1982=100						
1993	I	r116.5	124.6	r107.0	r152.9	r103.1
	II	r117.2	125.3	r107.0	r154.9	r103.6
	III	r117.7	125.6	r106.7	r156.2	r104.0
	IV	r118.1	125.9	r106.6	r157.1	r103.8
	ANNUAL	r117.4	125.4	r106.8	r155.3	r103.7
1994	I	r119.4	127.1	r106.5	r158.4	r104.1
Percent change from previous quarter at annual rate(5)						
1993	I	r-0.1	2.1	r2.2	r-1.0	r-3.9
	II	r2.3	2.2	r-0.1	r5.3	r2.2
	III	r2.0	0.9	r-1.1	r3.4	r1.5
	IV	r1.3	1.0	r-0.3	r2.3	r-0.7
	ANNUAL	r1.2	2.0	r0.8	r2.1	r-0.9
1994	I	r4.4	r4.0	-0.4	r3.3	r1.2
Percent change from corresponding quarter of previous year						
1993	I	r0.9	2.6	r1.6	r1.8	r-1.4
	II	r1.2	1.9	r0.8	r2.2	r-0.9
	III	r1.4	1.9	r0.5	r2.2	r-0.5
	IV	r1.4	1.5	r0.2	r2.5	r-0.2
	ANNUAL	r1.2	2.0	r0.8	r2.1	r-0.9
1994	I	2.5	2.0	-0.5	r3.6	r1.0

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics

Table 6. Nonfinancial corporations: Productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation (2)	Unit labor costs	Unit non-labor cost (6)	Total unit cost (7)	Unit profits (8)	Implicit price deflator (4)	
-----											
Indexes 1982=100											
1993	I	r119.9	143.3	r119.5	r153.2	r103.3	127.8	119.6	125.4	182.8	129.0
	II	r121.2	145.7	r120.3	r154.2	r103.2	127.3	119.2	125.0	193.9	129.3
	III	r122.1	147.3	r120.7	r155.2	r103.4	127.2	119.4	125.0	193.7	129.2
	IV	r123.8	150.5	r121.6	r156.0	r103.2	126.1	118.3	123.9	212.6	129.3
	ANNUAL	r121.7	146.7	r120.6	r154.6	r103.3	127.1	119.1	124.8	195.9	129.2
1994	I	123.8	151.8	122.7	157.5	103.6	127.2	120.3	125.3	202.6	130.1
-----											
Percent change from previous quarter at annual rate(5)											
1993	I	r-4.4	-2.7	r1.7	r1.8	r-1.2	6.4	4.3	5.9	-23.1	2.8
	II	r4.1	7.0	r2.8	r2.6	r-0.5	-1.5	-1.3	-1.4	26.4	0.8
	III	r3.0	4.5	r1.4	r2.6	r0.7	-0.4	0.7	-0.1	-0.3	-0.1
	IV	r5.7	8.9	r3.0	r2.1	r-0.8	-3.4	-3.7	-3.5	45.1	0.4
	ANNUAL	r2.0	4.0	r2.0	r2.9	r-0.1	0.9	-0.9	0.4	10.7	1.3
1994	I	0.0	3.5	3.5	3.7	1.6	3.7	7.1	4.6	-17.5	2.2
-----											
Percent change from corresponding quarter of previous year											
1993	I	r2.3	3.9	r1.6	r3.6	r0.5	1.3	-1.3	0.6	11.4	1.5
	II	r2.2	4.1	r1.9	r3.2	r0.1	1.0	-0.7	0.6	10.5	1.4
	III	r1.7	3.8	r2.2	r2.6	r-0.2	1.0	-1.6	0.2	12.4	1.3
	IV	r2.0	4.3	r2.2	r2.3	r-0.5	0.2	0.0	0.2	8.9	1.0
	ANNUAL	r2.0	4.0	r2.0	r2.9	r-0.1	0.9	-0.9	0.4	10.7	1.3
1994	I	3.2	5.9	2.7	2.8	0.2	-0.4	0.6	-0.1	10.8	0.8
-----											

See footnotes following table 6.  
r=revised

June 15, 1994  
Source: Bureau of Labor Statistics



SOURCE: Output data from the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Compensation and hours data from the Bureau of Labor Statistics, U.S. Department of Labor, and the Bureau of Economic Analysis.

RELIABILITY: Productivity and cost measures are regularly revised as more complete information becomes available. The measures are first published 30 days after the close of the reference period; revisions appear 30 days later, and third revisions after an additional 60 days. In the business sector, the probability is 0.95 that the third publication (third revision) of a quarterly index of output per hour of all persons will differ from the initial value by between -1.8 and +2.1 index points. This interval is based on the performance of this measure between the second quarter of 1976 and the third quarter of 1992.

Footnotes, Tables 1-6

- (1) Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Except for nonfinancial corporations, where there are no self-employed, data also include an estimate of wages, salaries, and supplemental payments for the self-employed.
- (2) Compensation per hour adjusted for changes in the Consumer Price Index for All Urban Consumers.
- (3) Unit nonlabor payments include profits, capital consumption allowances, interest, rental income of persons, and indirect taxes.
- (4) Current dollar gross product divided by constant dollar gross product.
- (5) Quarterly changes: Percent change compounded at annual rate from the original data rather than index numbers. Annual changes: Percent change between annual average levels.
- (6) Quarterly manufacturing output measures are based on the index of industrial production prepared monthly by the Board of Governors of the Federal Reserve adjusted by BLS to annual manufacturing output levels (gross product originating) from the National Income and Product Accounts prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce.
- (7) Unit nonlabor cost includes capital consumption allowances, interest, rental income of persons, and indirect taxes. For nonfinancial corporations, rental income of persons is zero by definition.
- (8) Total unit cost is the sum of labor and nonlabor costs.
- (9) Unit profits include corporate profits with inventory valuation and capital consumption adjustments.

Appendix table 1.  
Business sector: Productivity, hourly compensation,  
unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1982=100									
1989	I	110.2	132.4	120.1	131.5	104.2	119.4	134.4	124.3
	II	110.1	132.5	120.3	132.3	103.2	120.1	137.1	125.7
	III	109.7	132.3	120.6	133.2	103.1	121.5	137.3	126.7
	IV	109.7	132.3	120.6	134.9	103.4	123.0	137.7	127.8
	ANNUAL	109.9	132.3	120.4	133.0	103.5	121.0	136.6	126.1
1990	I	110.2	133.5	121.2	137.3	103.5	124.6	138.9	129.3
	II	111.1	134.4	120.9	139.9	104.3	125.9	140.3	130.6
	III	110.8	133.3	120.3	141.7	103.9	127.9	139.7	131.8
	IV	110.5	132.1	119.5	143.5	103.4	129.8	140.2	133.2
	ANNUAL	110.7	133.3	120.5	140.6	103.8	127.1	139.8	131.2
1991	I	111.0	131.0	118.1	145.0	103.7	130.7	143.3	134.8
	II	111.6	131.5	117.8	146.6	104.3	131.4	145.0	135.8
	III	111.8	131.5	117.6	148.2	104.6	132.6	144.9	136.6
	IV	112.8	132.4	117.3	150.1	105.1	133.1	145.7	137.2
	ANNUAL	111.8	131.6	117.7	147.4	104.5	131.9	144.7	136.1
1992	I	114.1	133.3	116.8	152.2	105.9	133.4	148.5	138.3
	II	114.8	134.5	117.2	153.6	106.0	133.9	149.9	139.1
	III	115.8	136.0	117.4	155.7	106.6	134.5	147.4	138.7
	IV	116.8	137.9	118.1	157.3	106.8	134.7	152.7	140.6
	ANNUAL	115.3	135.4	117.4	154.7	106.4	134.1	149.6	139.2

Percent change from previous quarter at annual rate(5)

1989	I	-2.4	2.0	4.5	2.7	-1.9	5.2	4.2	4.9
	II	-0.1	0.3	0.5	2.3	-3.9	2.5	8.4	4.6
	III	-1.6	-0.6	1.1	3.0	-0.3	4.7	0.7	3.2
	IV	0.2	0.1	-0.1	5.2	1.1	4.9	1.2	3.6
	ANNUAL	-0.7	1.7	2.5	3.5	-1.3	4.3	4.6	4.4
1990	I	1.6	3.7	2.1	7.3	0.3	5.6	3.6	4.9
	II	3.5	2.5	-0.9	7.6	3.2	4.0	4.0	4.0
	III	-1.1	-3.0	-1.9	5.5	-1.5	6.7	-1.8	3.7
	IV	-1.1	-3.6	-2.6	5.0	-1.9	6.1	1.5	4.5
	ANNUAL	0.7	0.7	0.1	5.7	0.3	5.0	2.3	4.1
1991	I	1.7	-3.3	-4.9	4.3	1.1	2.6	9.1	4.8
	II	2.4	1.4	-0.9	4.6	2.3	2.2	4.7	3.1
	III	0.6	0.1	-0.5	4.5	1.3	3.8	-0.2	2.4
	IV	3.7	2.7	-0.9	5.1	1.8	1.4	2.4	1.7
	ANNUAL	1.0	-1.3	-2.3	4.9	0.6	3.8	3.5	3.7
1992	I	4.7	2.9	-1.7	5.6	2.9	0.9	7.8	3.3
	II	2.3	3.4	1.1	3.9	0.5	1.5	3.9	2.4
	III	3.7	4.6	0.9	5.6	2.5	1.8	-6.6	-1.2
	IV	3.4	5.6	2.2	4.1	0.8	0.7	15.3	5.6
	ANNUAL	3.2	2.9	-0.3	4.9	1.9	1.7	3.4	2.3

Percent change from corresponding quarter of previous year

1989	I	-0.6	3.0	3.7	4.4	-0.3	5.0	4.2	4.7
	II	-0.3	2.1	2.3	3.6	-1.5	3.8	6.2	4.7
	III	-1.0	1.4	2.5	2.8	-1.9	3.9	4.7	4.2
	IV	-1.0	0.4	1.5	3.3	-1.3	4.3	3.6	4.1
	ANNUAL	-0.7	1.7	2.5	3.5	-1.3	4.3	4.6	4.4
1990	I	0.0	0.9	0.9	4.4	-0.7	4.4	3.4	4.1
	II	0.9	1.4	0.5	5.7	1.1	4.8	2.3	3.9
	III	1.0	0.8	-0.2	6.4	0.8	5.3	1.7	4.0
	IV	0.7	-0.1	-0.8	6.3	0.0	5.6	1.8	4.2
	ANNUAL	0.7	0.7	0.1	5.7	0.3	5.0	2.3	4.1
1991	I	0.7	-1.9	-2.6	5.6	0.2	4.8	3.1	4.2
	II	0.5	-2.1	-2.6	4.8	0.0	4.4	3.3	4.0
	III	0.9	-1.4	-2.2	4.6	0.7	3.7	3.7	3.7
	IV	2.1	0.2	-1.8	4.6	1.6	2.5	3.9	3.0
	ANNUAL	1.0	-1.3	-2.3	4.9	0.6	3.8	3.5	3.7
1992	I	2.8	1.8	-1.0	5.0	2.1	2.1	3.6	2.6
	II	2.8	2.3	-0.5	4.8	1.6	1.9	3.4	2.4
	III	3.6	3.4	-0.2	5.1	1.9	1.4	1.7	1.5
	IV	3.5	4.1	0.6	4.8	1.7	1.2	4.8	2.5
	ANNUAL	3.2	2.9	-0.3	4.9	1.9	1.7	3.4	2.3

See footnotes following table 6.

June 15, 1994  
Source: Bureau of Labor Statistics

Appendix table 2.  
 Nonfarm business sector: Productivity, hourly compensation,  
 unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator(4)	
Indexes 1982=100									
1989	I	109.0	132.8	121.9	130.6	103.5	119.9	134.4	124.6
	II	108.6	132.8	122.2	131.1	102.3	120.7	137.6	126.1
	III	108.4	132.7	122.3	132.2	102.3	121.9	138.1	127.1
	IV	108.5	132.7	122.3	133.9	102.6	123.4	138.4	128.2
	ANNUAL	108.6	132.7	122.2	132.0	102.7	121.5	137.1	126.5
1990	I	108.7	133.8	123.1	136.0	102.5	125.1	139.4	129.7
	II	109.5	134.6	122.9	138.4	103.2	126.4	141.1	131.1
	III	109.1	133.5	122.4	140.3	102.8	128.6	140.5	132.4
	IV	108.9	132.2	121.4	142.1	102.5	130.5	141.5	134.0
	ANNUAL	109.1	133.5	122.4	139.2	102.8	127.6	140.6	131.8
1991	I	109.5	131.2	119.8	143.7	102.8	131.3	144.8	135.7
	II	110.2	131.7	119.5	145.4	103.4	132.0	146.1	136.6
	III	110.4	131.8	119.3	147.1	103.8	133.2	146.3	137.5
	IV	111.3	132.6	119.2	148.8	104.2	133.7	147.7	138.2
	ANNUAL	110.3	131.8	119.5	146.2	103.6	132.6	146.2	137.0
1992	I	112.3	133.3	118.7	150.9	104.9	134.3	149.8	139.3
	II	113.1	134.4	118.9	152.5	105.2	134.9	151.5	140.2
	III	113.9	135.9	119.3	154.5	105.8	135.6	148.8	139.8
	IV	115.0	137.9	119.9	156.0	106.0	135.7	154.5	141.8
	ANNUAL	113.6	135.4	119.2	153.5	105.6	135.1	151.2	140.3
-----									
Percent change from previous quarter at annual rate(5)									
1989	I	-3.7	0.7	4.6	2.5	-2.0	6.5	-0.5	4.0
	II	-1.2	0.0	1.2	1.4	-4.8	2.6	9.6	5.0
	III	-0.7	-0.3	0.4	3.4	0.1	4.1	1.7	3.3
	IV	0.2	0.2	-0.1	5.3	1.2	5.0	0.7	3.5
	ANNUAL	-0.9	1.7	2.6	3.3	-1.4	4.3	4.1	4.2
1990	I	0.7	3.4	2.7	6.4	-0.5	5.7	2.9	4.7
	II	3.0	2.3	-0.7	7.3	2.9	4.1	4.9	4.4
	III	-1.4	-3.1	-1.7	5.6	-1.4	7.1	-1.7	4.0
	IV	-0.6	-3.8	-3.3	5.5	-1.4	6.1	3.1	5.0
	ANNUAL	0.4	0.6	0.2	5.5	0.1	5.1	2.5	4.2
1991	I	2.0	-3.1	-5.1	4.6	1.4	2.5	9.6	4.9
	II	2.5	1.5	-1.0	4.8	2.4	2.2	3.7	2.7
	III	0.9	0.3	-0.6	4.6	1.4	3.7	0.6	2.6
	IV	3.3	2.7	-0.6	4.8	1.5	1.5	3.6	2.2
	ANNUAL	1.1	-1.3	-2.4	5.0	0.8	3.9	4.0	3.9
1992	I	3.8	2.1	-1.6	5.6	2.8	1.7	6.0	3.2
	II	2.6	3.3	0.6	4.4	1.1	1.8	4.6	2.7
	III	3.0	4.4	1.3	5.2	2.1	2.1	-7.1	-1.1
	IV	3.7	6.0	2.2	4.1	0.8	0.4	16.3	5.6
	ANNUAL	3.0	2.7	-0.2	5.0	1.9	1.9	3.4	2.4
-----									
Percent change from corresponding quarter of previous year									
1989	I	-0.6	3.2	3.8	4.3	-0.4	4.9	3.4	4.3
	II	-0.6	2.0	2.6	3.3	-1.8	3.9	5.5	4.4
	III	-1.1	1.3	2.5	2.7	-2.0	3.9	4.7	4.2
	IV	-1.4	0.1	1.5	3.1	-1.4	4.6	2.8	3.9
	ANNUAL	-0.9	1.7	2.6	3.3	-1.4	4.3	4.1	4.2
1990	I	-0.2	0.8	1.0	4.1	-1.0	4.4	3.7	4.1
	II	0.8	1.4	0.6	5.6	0.9	4.7	2.5	4.0
	III	0.6	0.6	0.0	6.1	0.5	5.5	1.7	4.1
	IV	0.4	-0.4	-0.8	6.2	-0.1	5.7	2.3	4.5
	ANNUAL	0.4	0.6	0.2	5.5	0.1	5.1	2.5	4.2
1991	I	0.7	-2.0	-2.7	5.7	0.4	4.9	3.9	4.6
	II	0.6	-2.2	-2.8	5.1	0.2	4.4	3.6	4.2
	III	1.2	-1.3	-2.5	4.9	0.9	3.6	4.2	3.8
	IV	2.2	0.3	-1.8	4.7	1.7	2.5	4.3	3.1
	ANNUAL	1.1	-1.3	-2.4	5.0	0.8	3.9	4.0	3.9
1992	I	2.6	1.6	-0.9	4.9	2.0	2.3	3.5	2.7
	II	2.6	2.1	-0.5	4.9	1.7	2.2	3.7	2.7
	III	3.2	3.1	-0.1	5.0	1.9	1.8	1.7	1.7
	IV	3.3	3.9	0.6	4.8	1.7	1.5	4.6	2.6
	ANNUAL	3.0	2.7	-0.2	5.0	1.9	1.9	3.4	2.4

See footnotes following table 6.

June 15, 1994  
 Source: Bureau of Labor Statistics

Appendix table 3.  
 Manufacturing sector: Productivity, hourly compensation,  
 and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
----- Indexes 1982=100						
1989	I	120.3	132.6	110.2	126.6	100.4
	II	120.5	132.2	109.7	126.7	98.8
	III	119.0	130.2	109.4	128.1	99.1
	IV	119.8	129.7	108.3	130.2	99.8
	ANNUAL	119.9	131.2	109.4	127.9	99.5
1990	I	121.1	130.8	108.0	131.8	99.3
	II	121.2	131.0	108.1	133.8	99.8
	III	122.6	131.3	107.1	135.1	99.1
	IV	123.0	129.5	105.3	137.6	99.2
	ANNUAL	122.1	130.6	107.0	134.7	99.5
1991	I	122.6	126.4	103.0	139.4	99.7
	II	123.7	126.7	102.4	141.1	100.3
	III	125.4	128.8	102.7	142.5	100.6
	IV	126.2	129.2	102.4	144.9	101.4
	ANNUAL	124.5	127.8	102.6	141.9	100.6
1992	I	127.2	129.6	101.9	145.5	101.2
	II	128.6	131.5	102.3	146.7	101.2
	III	129.1	131.8	102.1	147.6	101.0
	IV	130.9	133.9	102.4	149.2	101.3
	ANNUAL	129.1	131.7	102.0	147.4	101.4
----- Percent change from previous quarter at annual rate(5)						
1989	I	1.6	3.2	1.6	3.7	-0.8
	II	0.6	-1.2	-1.7	0.1	-6.0
	III	-4.8	-5.8	-1.1	4.5	1.2
	IV	2.6	-1.7	-4.2	6.9	2.8
	ANNUAL	0.6	0.9	0.4	3.9	-0.9
1990	I	4.4	3.6	-0.8	5.0	-1.8
	II	0.2	0.4	0.2	6.1	1.8
	III	4.8	1.0	-3.6	4.0	-2.9
	IV	1.4	-5.6	-6.8	7.6	0.6
	ANNUAL	1.8	-0.4	-2.2	5.3	-0.1
1991	I	-1.1	-9.1	-8.1	5.2	2.0
	II	3.6	0.9	-2.6	4.9	2.6
	III	5.5	7.0	1.3	4.2	1.0
	IV	2.5	1.2	-1.3	6.9	3.5
	ANNUAL	2.0	-2.2	-4.1	5.4	1.1
1992	I	3.2	1.1	-2.0	1.8	-0.8
	II	4.4	6.1	1.7	3.3	0.0
	III	1.7	1.0	-0.7	2.3	-0.8
	IV	5.5	6.6	1.1	4.5	1.2
	ANNUAL	3.7	3.1	-0.6	3.9	0.8
----- Percent change from corresponding quarter of previous year						
1989	I	1.5	3.3	1.8	4.7	0.0
	II	1.3	2.1	0.8	3.7	-1.3
	III	-0.4	-0.1	0.3	3.5	-1.2
	IV	0.0	-1.4	-1.4	3.8	-0.8
	ANNUAL	0.6	0.9	0.4	3.9	-0.9
1990	I	0.6	-1.3	-2.0	4.1	-1.0
	II	0.6	-0.9	-1.5	5.6	1.0
	III	3.0	0.8	-2.1	5.5	-0.1
	IV	2.7	-0.2	-2.8	5.7	-0.6
	ANNUAL	1.8	-0.4	-2.2	5.3	-0.1
1991	I	1.3	-3.4	-4.6	5.7	0.4
	II	2.1	-3.3	-5.3	5.4	0.6
	III	2.3	-1.9	-4.1	5.5	1.5
	IV	2.6	-0.2	-2.7	5.3	2.3
	ANNUAL	2.0	-2.2	-4.1	5.4	1.1
1992	I	3.7	2.5	-1.2	4.4	1.5
	II	3.9	3.8	-0.1	4.0	0.9
	III	3.0	2.3	-0.6	3.5	0.4
	IV	3.7	3.7	0.0	3.0	-0.1
	ANNUAL	3.7	3.1	-0.6	3.9	0.8

See footnotes following table 6.

June 15, 1994  
 Source: Bureau of Labor Statistics

Appendix table 4.  
Durable manufacturing sector: Productivity, hourly compensation,  
and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Indexes 1982=100							
1989	I	125.6	140.8	112.1	124.3	98.5	99.0
	II	126.4	140.2	110.9	124.2	96.9	98.2
	III	125.5	138.0	110.0	125.8	97.3	100.3
	IV	125.4	136.1	108.6	128.5	98.4	102.5
	ANNUAL	125.7	138.8	110.4	125.6	97.8	100.0
1990	I	126.5	136.9	108.2	129.6	97.7	102.5
	II	127.3	137.8	108.2	131.5	98.1	103.3
	III	129.7	138.4	106.8	132.8	97.3	102.4
	IV	130.2	135.7	104.3	135.5	97.6	104.1
	ANNUAL	128.6	137.2	106.7	132.5	97.8	103.1
1991	I	130.4	132.3	101.5	137.2	98.2	105.2
	II	131.8	133.0	100.9	138.7	98.7	105.3
	III	134.5	135.6	100.8	140.2	99.0	104.3
	IV	136.3	136.2	100.0	143.2	100.3	105.1
	ANNUAL	133.2	134.3	100.8	139.8	99.1	105.0
1992	I	136.9	136.1	99.5	143.2	99.6	104.7
	II	139.1	138.5	99.5	144.4	99.6	103.8
	III	139.9	138.8	99.3	145.0	99.3	103.7
	IV	142.8	142.1	99.5	147.4	100.1	103.2
	ANNUAL	139.8	138.9	99.3	145.2	99.8	103.8
Percent change from previous quarter at annual rate(5)							
1989	I	2.3	3.9	1.6	4.5	-0.2	2.1
	II	2.6	-1.8	-4.3	-0.5	-6.5	-2.9
	III	-3.0	-6.0	-3.2	5.4	2.0	8.6
	IV	-0.4	-5.3	-5.0	8.7	4.5	9.1
	ANNUAL	1.3	1.3	0.0	4.2	-0.6	2.8
1990	I	3.6	2.2	-1.3	3.8	-3.0	0.2
	II	2.7	2.7	0.0	5.8	1.5	3.1
	III	7.7	1.9	-5.4	3.9	-2.9	-3.5
	IV	1.4	-7.7	-9.0	8.4	1.3	6.8
	ANNUAL	2.3	-1.1	-3.3	5.5	0.1	3.1
1991	I	0.8	-9.6	-10.2	5.3	2.2	4.6
	II	4.4	1.9	-2.4	4.5	2.1	0.1
	III	8.4	8.1	-0.3	4.4	1.2	-3.7
	IV	5.4	1.9	-3.3	8.9	5.4	3.3
	ANNUAL	3.6	-2.1	-5.6	5.5	1.3	1.8
1992	I	1.8	-0.3	-2.0	0.0	-2.6	-1.8
	II	6.8	7.2	0.4	3.3	0.0	-3.3
	III	2.1	1.0	-1.1	1.7	-1.4	-0.5
	IV	8.5	9.7	1.0	6.6	3.2	-1.8
	ANNUAL	5.0	3.4	-1.5	3.8	0.8	-1.1
Percent change from corresponding quarter of previous year							
1989	I	1.9	4.8	2.8	4.3	-0.3	2.4
	II	2.1	2.6	0.6	3.9	-1.2	1.8
	III	0.8	0.2	-0.7	4.0	-0.7	3.1
	IV	0.4	-2.4	-2.7	4.5	-0.1	4.1
	ANNUAL	1.3	1.3	0.0	4.2	-0.6	2.8
1990	I	0.7	-2.8	-3.5	4.3	-0.8	3.6
	II	0.7	-1.7	-2.4	5.9	1.2	5.2
	III	3.4	0.3	-3.0	5.5	0.0	2.1
	IV	3.8	-0.3	-4.0	5.5	-0.8	1.6
	ANNUAL	2.3	-1.1	-3.3	5.5	0.1	3.1
1991	I	3.1	-3.3	-6.2	5.9	0.5	2.7
	II	3.5	-3.5	-6.8	5.5	0.6	1.9
	III	3.7	-2.1	-5.6	5.6	1.7	1.9
	IV	4.7	0.4	-4.1	5.7	2.7	1.0
	ANNUAL	3.6	-2.1	-5.6	5.5	1.3	1.8
1992	I	5.0	2.9	-2.0	4.4	1.5	-0.6
	II	5.6	4.2	-1.3	4.1	1.0	-1.4
	III	4.0	2.4	-1.5	3.4	0.3	-0.6
	IV	4.8	4.3	-0.4	2.9	-0.2	-1.8
	ANNUAL	5.0	3.4	-1.5	3.8	0.8	-1.1

See footnotes following table 6.

June 15, 1994  
Source: Bureau of Labor Statistics

Appendix table 5.  
Nondurable manufacturing sector: Productivity, hourly compensation,  
and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
-----							
Indexes 1982=100							
1989	I	114.0	122.5	107.5	130.1	103.1	114.2
	II	113.3	122.4	108.0	130.7	101.9	115.3
	III	111.2	120.7	108.6	131.8	102.0	118.6
	IV	113.0	121.8	107.8	133.2	102.1	117.9
	ANNUAL	112.8	121.9	108.0	131.5	102.3	116.5
1990	I	114.5	123.5	107.8	135.5	102.1	118.3
	II	113.6	122.6	107.9	137.7	102.7	121.2
	III	113.9	122.6	107.7	139.2	102.1	122.3
	IV	114.2	121.8	106.6	141.6	102.1	124.0
	ANNUAL	114.1	122.6	107.5	138.6	102.3	121.4
1991	I	113.1	119.1	105.3	143.5	102.6	126.8
	II	113.8	119.0	104.5	145.5	103.5	127.8
	III	114.3	120.5	105.4	147.0	103.7	128.6
	IV	114.0	120.6	105.8	148.5	104.0	130.3
	ANNUAL	113.8	119.8	105.3	146.1	103.5	128.4
1992	I	115.4	121.5	105.3	150.3	104.5	130.2
	II	115.8	122.9	106.2	151.5	104.6	130.9
	III	116.1	123.2	106.1	152.8	104.6	131.6
	IV	116.5	124.0	106.4	153.3	104.1	131.5
	ANNUAL	116.1	122.9	105.9	152.1	104.6	131.0
-----							
Percent change from previous quarter at annual rate(5)							
1989	I	0.7	2.2	1.6	2.5	-2.0	1.8
	II	-2.3	-0.3	2.1	1.6	-4.6	4.0
	III	-7.4	-5.5	2.1	3.6	0.3	11.9
	IV	6.8	3.5	-3.0	4.2	0.2	-2.4
	ANNUAL	-0.4	0.5	0.9	3.6	-1.2	4.1
1990	I	5.5	5.6	0.1	7.1	0.1	1.5
	II	-3.1	-2.6	0.5	6.6	2.3	10.0
	III	0.7	-0.2	-1.0	4.5	-2.4	3.7
	IV	1.2	-2.5	-3.7	7.0	0.0	5.7
	ANNUAL	1.1	0.6	-0.5	5.4	0.0	4.2
1991	I	-3.7	-8.5	-5.1	5.5	2.3	9.5
	II	2.6	-0.5	-2.9	5.6	3.3	3.0
	III	1.7	5.4	3.6	4.3	1.0	2.5
	IV	-1.2	0.2	1.4	4.2	1.0	5.6
	ANNUAL	-0.3	-2.3	-2.0	5.4	1.1	5.7
1992	I	5.2	3.1	-2.0	4.7	2.1	-0.4
	II	1.3	4.8	3.5	3.5	0.2	2.2
	III	1.1	0.9	-0.2	3.3	0.2	2.2
	IV	1.4	2.5	1.1	1.3	-1.9	-0.1
	ANNUAL	2.0	2.6	0.6	4.1	1.1	2.1
-----							
Percent change from corresponding quarter of previous year							
1989	I	0.9	1.2	0.2	5.0	0.3	4.0
	II	0.3	1.3	1.1	3.6	-1.5	3.3
	III	-2.2	-0.5	1.8	3.0	-1.7	5.3
	IV	-0.7	0.0	0.7	3.0	-1.5	3.7
	ANNUAL	-0.4	0.5	0.9	3.6	-1.2	4.1
1990	I	0.5	0.8	0.3	4.1	-1.0	3.6
	II	0.3	0.2	-0.1	5.4	0.7	5.1
	III	2.4	1.5	-0.9	5.6	0.0	3.1
	IV	1.1	0.0	-1.0	6.3	0.0	5.2
	ANNUAL	1.1	0.6	-0.5	5.4	0.0	4.2
1991	I	-1.2	-3.5	-2.3	5.9	0.5	7.2
	II	0.2	-3.0	-3.2	5.6	0.8	5.4
	III	0.4	-1.7	-2.1	5.6	1.6	5.1
	IV	-0.2	-1.0	-0.8	4.9	1.9	5.1
	ANNUAL	-0.3	-2.3	-2.0	5.4	1.1	5.7
1992	I	2.0	2.0	0.0	4.7	1.8	2.6
	II	1.7	3.3	1.6	4.2	1.0	2.4
	III	1.5	2.2	0.7	3.9	0.8	2.3
	IV	2.2	2.8	0.6	3.2	0.1	0.9
	ANNUAL	2.0	2.6	0.6	4.1	1.1	2.1
-----							

See footnotes following table 6.

June 15, 1994  
Source: Bureau of Labor Statistics

Appendix table 6.  
 Nonfinancial corporations: Productivity, hourly compensation,  
 unit labor costs,  
 unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation (2)	Unit labor costs	Unit non-labor cost (6)	Total unit cost (7)	Unit profits (8)	Implicit price deflator (4)
Indexes 1982=100										
1989	I	111.9	135.9	121.5	128.9	102.2	115.3	109.0	113.5	173.1
	II	111.3	135.7	121.9	129.3	100.9	116.2	112.0	115.0	173.9
	III	111.3	135.8	122.0	130.3	100.8	117.1	114.9	116.5	168.3
	IV	111.3	136.0	122.3	132.1	101.2	118.7	115.5	117.8	158.7
	ANNUAL	111.5	135.9	121.9	130.2	101.3	116.8	112.9	115.7	168.5
1990	I	111.7	137.1	122.7	133.9	100.9	119.8	114.7	118.4	172.7
	II	113.1	138.5	122.4	136.4	101.7	120.5	114.3	118.7	183.3
	III	112.8	137.4	121.8	138.2	101.3	122.5	117.0	120.9	160.9
	IV	113.2	136.2	120.3	140.1	101.0	123.8	119.1	122.5	153.1
	ANNUAL	112.7	137.3	121.8	137.1	101.2	121.7	116.3	120.1	167.5
1991	I	113.7	134.6	118.4	141.6	101.3	124.5	121.5	123.7	155.1
	II	114.1	134.5	117.9	143.0	101.7	125.3	121.6	124.3	157.0
	III	114.8	135.3	117.8	144.6	102.0	125.9	122.5	124.9	150.4
	IV	116.5	137.2	117.7	146.4	102.5	125.7	121.8	124.5	157.2
	ANNUAL	114.7	135.4	118.0	143.8	101.9	125.4	121.9	124.4	154.9
1992	I	117.3	137.9	117.6	147.9	102.8	126.1	121.1	124.7	164.1
	II	118.6	140.0	118.1	149.4	103.1	126.0	120.0	124.3	175.5
	III	120.1	141.9	118.2	151.3	103.6	126.0	121.3	124.7	172.4
	IV	121.3	144.3	119.0	152.6	103.6	125.8	118.3	123.7	195.3
	ANNUAL	119.3	141.0	118.2	150.3	103.3	126.0	120.2	124.3	177.0
Percent change from previous quarter at annual rate(5)										
1989	I	-4.2	0.0	4.4	3.7	-0.9	8.3	3.3	6.9	-21.4
	II	-1.9	-0.5	1.4	1.2	-5.0	3.1	11.6	5.4	2.0
	III	-0.1	0.3	0.4	3.1	-0.1	3.3	10.8	5.3	-12.4
	IV	-0.1	0.7	0.8	5.7	1.6	5.8	1.9	4.7	-21.0
	ANNUAL	-1.6	1.3	2.9	3.4	-1.3	5.1	6.1	5.4	-8.2
1990	I	1.5	3.0	1.5	5.3	-1.5	3.8	-2.8	1.9	40.3
	II	5.3	4.2	-1.0	7.7	3.3	2.3	-1.3	1.3	26.8
	III	-1.2	-3.0	-1.8	5.5	-1.4	6.8	9.7	7.6	-40.6
	IV	1.5	-3.7	-5.0	5.7	-1.2	4.2	7.7	5.1	-18.0
	ANNUAL	1.1	1.1	-0.1	5.3	-0.1	4.1	3.0	3.8	-0.6
1991	I	1.7	-4.5	-6.0	4.1	1.0	2.4	8.2	4.0	5.5
	II	1.6	-0.3	-1.8	4.3	1.9	2.6	0.4	2.0	4.8
	III	2.5	2.4	-0.1	4.4	1.2	1.8	2.9	2.1	-15.7
	IV	6.0	5.5	-0.5	5.2	1.9	-0.8	-2.5	-1.3	19.2
	ANNUAL	1.8	-1.4	-3.1	4.9	0.6	3.0	4.8	3.5	-7.5
1992	I	2.4	2.1	-0.3	3.9	1.3	1.5	-2.2	0.4	18.9
	II	4.6	6.4	1.7	4.3	1.0	-0.2	-3.6	-1.2	30.6
	III	5.2	5.4	0.2	5.0	1.8	-0.2	4.6	1.1	-6.8
	IV	4.1	6.9	2.7	3.5	0.3	-0.5	-9.7	-3.1	64.6
	ANNUAL	4.0	4.1	0.2	4.5	1.4	0.5	-1.4	0.0	14.2
Percent change from corresponding quarter of previous year										
1989	I	-1.4	2.6	4.0	4.3	-0.4	5.8	4.2	5.3	-6.5
	II	-1.9	1.3	3.3	3.3	-1.7	5.3	6.2	5.6	-5.8
	III	-1.6	1.1	2.7	2.8	-1.9	4.5	7.2	5.2	-6.6
	IV	-1.6	0.1	1.8	3.4	-1.1	5.1	6.8	5.6	-13.7
	ANNUAL	-1.6	1.3	2.9	3.4	-1.3	5.1	6.1	5.4	-8.2
1990	I	-0.1	0.9	1.0	3.8	-1.3	4.0	5.2	4.3	-0.2
	II	1.6	2.0	0.4	5.4	0.8	3.8	2.0	3.3	5.4
	III	1.4	1.2	-0.2	6.1	0.5	4.6	1.8	3.8	-4.4
	IV	1.7	0.1	-1.6	6.1	-0.2	4.2	3.2	3.9	-3.5
	ANNUAL	1.1	1.1	-0.1	5.3	-0.1	4.1	3.0	3.8	-0.6
1991	I	1.8	-1.8	-3.5	5.8	0.4	3.9	6.0	4.5	-10.2
	II	0.9	-2.9	-3.7	4.9	0.1	4.0	6.4	4.7	-14.3
	III	1.8	-1.5	-3.3	4.6	0.7	2.8	4.8	3.3	-6.5
	IV	2.9	0.7	-2.1	4.5	1.5	1.5	2.2	1.7	2.7
	ANNUAL	1.8	-1.4	-3.1	4.9	0.6	3.0	4.8	3.5	-7.5
1992	I	3.1	2.4	-0.7	4.5	1.6	1.3	-0.4	0.8	5.8
	II	3.9	4.1	0.2	4.5	1.3	0.6	-1.4	0.0	11.8
	III	4.6	4.8	0.3	4.6	1.5	0.1	-1.0	-0.2	14.6
	IV	4.1	5.2	1.1	4.2	1.1	0.1	-2.8	-0.7	24.2
	ANNUAL	4.0	4.1	0.2	4.5	1.4	0.5	-1.4	0.0	14.2

See footnotes following table 6.

June 15, 1994  
 Source: Bureau of Labor Statistics