



# Bureau of Economic Analysis

## Survey of Current Business

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February 1999

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### Regular features

#### 1. **Business Situation**

U.S. economic activity picked up in the fourth quarter of 1998: Real GDP increased 5.6 percent after increasing 3.7 percent in the third quarter. Inflation remained low: The price index for gross domestic purchases increased 0.9 percent after increasing 0.7 percent.

#### 16. **Personal Income by State and Region, Third Quarter 1998**

Personal income in the Nation increased \$78.9 billion, or 1.1 percent, in the third quarter of 1998. By region, the largest increases were in the Southeast and the Far West. By State, personal income grew rapidly in Nevada, Colorado, Washington, and Arizona. Personal income declined in Montana and grew slowly in Indiana, South Dakota, and Iowa.

### Reports and statistical presentations

#### D-1. **BEA Current and Historical Data**

#### LOOKING AHEAD

Upcoming Comprehensive Revision of the NIPA's. Beginning in late October 1999, BEA plans to release the results of an upcoming comprehensive, or benchmark, revision of the national income and product accounts (NIPA's). The annual revision of the NIPA's that would normally take place this summer will instead be combined with the upcoming comprehensive revision. For more information, see the [box](#) on page 7.

# B U S I N E S S S I T U A T I O N

This article was prepared by Daniel Larkins, Larry R. Moran, Ralph W. Morris, and Deborah Y. Steff.

**E**CONOMIC GROWTH accelerated in the fourth quarter of 1998, according to the "advance" estimates of the national income and product accounts (NIPA's): Real gross domestic product (GDP) increased 5.6 percent after increasing 3.7 percent in the third quarter (chart 1 and table 1).<sup>1</sup> Prices increased at about the same rate as in the third quarter, as the price index for gross domestic purchases increased 0.9 percent after increasing 0.7 percent. Real disposable personal income increased 3.6 percent after increasing 3.2 percent, and the personal saving rate

(current-dollar saving as a percentage of current-dollar disposable personal income) continued its downtrend, decreasing to zero from 0.2 percent.

The acceleration in real GDP growth from 3.7 percent to 5.6 percent was more than accounted for by a sharp turnaround in motor vehicle output that at least partly reflected a recovery from a midsummer strike at a major manufacturer; excluding motor vehicles, real GDP increased 3.5 percent after increasing 4.2 percent. Partly reflecting the strength in motor vehicles, exports and producers' durable equipment (PDE) turned up, and personal consumption expenditures (PCE) for durable goods accelerated. The acceleration in GDP was moderated by a step-up in imports, a slowdown in PCE for services, and a downturn in inventory investment.

The largest contributors to the 5.6-percent fourth-quarter increase in real GDP were exports,

1. Quarterly estimates in the NIPA's are expressed at seasonally adjusted annual rates. Quarter-to-quarter dollar changes are the differences between the published estimates. Quarter-to-quarter percent changes are annualized and are calculated from unrounded data unless otherwise specified.

Real estimates are calculated using a chain-type Fisher formula with annual weights for all years and quarters except those in the most recent year, which are calculated using quarterly weights; real estimates are expressed both as index numbers (1992=100) and as chained (1992) dollars. Price indexes (1992=100) are also calculated using a chain-type Fisher formula.

**Table 1.—Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers**  
[Quarterly estimates seasonally adjusted at annual rates]

	Billions of chained (1992) dollars						Percent change from preceding period					
	Change from preceding period						1997	1998	1998			
	1997	1998	1998						I	II	III	IV
			I	II	III	IV						
<b>Gross domestic product</b> .....	<b>275.0</b>	<b>280.1</b>	<b>100.1</b>	<b>33.9</b>	<b>67.9</b>	<b>103.5</b>	<b>3.9</b>	<b>3.9</b>	<b>5.5</b>	<b>1.8</b>	<b>3.7</b>	<b>5.6</b>
Less: Exports of goods and services .....	110.0	14.2	-6.9	-19.8	-6.8	42.4	12.8	1.5	-2.8	-7.7	-2.8	18.8
Plus: Imports of goods and services .....	134.9	119.6	42.6	26.9	7.0	46.3	13.9	10.8	15.7	9.3	2.3	16.0
<b>Equals: Gross domestic purchases</b> .....	<b>295.4</b>	<b>370.1</b>	<b>142.8</b>	<b>73.7</b>	<b>80.2</b>	<b>105.2</b>	<b>4.2</b>	<b>5.0</b>	<b>7.8</b>	<b>3.9</b>	<b>4.2</b>	<b>5.5</b>
Less: Change in business inventories .....	33.2	-4.7	24.9	-53.2	17.5	-6.8	.....	.....	.....	.....	.....	.....
Nonfarm .....	35.6	-7.7	23.2	-56.0	17.1	-5.3	.....	.....	.....	.....	.....	.....
Farm .....	-2.8	3.4	1.6	3.4	.4	-1.3	.....	.....	.....	.....	.....	.....
<b>Equals: Final sales to domestic purchasers</b> .....	<b>262.2</b>	<b>374.6</b>	<b>120.1</b>	<b>124.2</b>	<b>63.4</b>	<b>111.0</b>	<b>3.7</b>	<b>5.1</b>	<b>6.6</b>	<b>6.7</b>	<b>3.3</b>	<b>5.9</b>
Personal consumption expenditures .....	161.1	237.7	74.1	75.1	51.6	56.0	3.4	4.8	6.1	6.1	4.1	4.4
Durable goods .....	42.5	67.3	25.5	19.1	4.3	36.4	6.8	10.1	15.8	11.2	2.4	21.4
Nondurable goods .....	35.4	56.8	26.9	19.7	8.2	12.3	2.4	3.8	7.4	5.3	2.1	3.2
Services .....	84.8	117.9	24.5	37.5	38.0	12.0	3.2	4.3	3.5	5.4	5.4	1.7
Gross private domestic fixed investment .....	87.4	130.9	55.4	39.2	6.8	44.7	8.3	11.5	20.4	13.4	2.2	14.8
Nonresidential fixed investment .....	82.8	102.4	45.7	28.5	-1.7	37.8	10.7	11.9	22.2	12.8	-7	16.7
Structures .....	13.5	-2	-2.6	-1.2	.1	2.8	7.1	-1	-4.9	-2.3	.2	5.5
Producers' durable equipment .....	71.1	110.7	52.4	32.5	-2.0	37.5	12.1	16.7	34.3	18.8	-1.0	21.0
Residential investment .....	6.9	29.3	10.6	10.6	7.4	7.7	2.5	10.4	15.6	15.0	9.9	10.1
Government consumption expenditures and gross investment .....	16.8	12.5	-6.2	11.8	4.8	13.1	1.3	1.0	-1.9	3.7	1.5	4.1
Federal .....	-7.6	-4.5	-10.4	8.0	-1.6	8.7	-1.6	-1.0	-8.8	7.3	-1.4	7.9
National defense .....	-10.2	-8.5	-15.4	7.0	3.2	1.0	-3.2	-2.7	-18.5	9.9	4.3	1.2
Nondefense .....	2.4	3.7	4.6	1.0	-4.5	7.5	1.7	2.5	13.1	2.6	-11.5	21.8
State and local .....	24.4	17.2	4.2	3.8	6.4	4.4	3.1	2.1	2.1	1.8	3.1	2.1
<b>Addendum: Final sales of domestic product</b> .....	<b>242.1</b>	<b>284.6</b>	<b>77.7</b>	<b>83.9</b>	<b>51.2</b>	<b>109.3</b>	<b>3.5</b>	<b>4.0</b>	<b>4.3</b>	<b>4.6</b>	<b>2.8</b>	<b>6.0</b>

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates usually are not additive. Chained (1992) dollar levels and residuals,

which measure the extent of nonadditivity in each table, are in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are in NIPA table 8.1.

PCE for durable goods, and PDE (table 2).<sup>2</sup> PCE for durable goods increased 21.4 percent and contributed 1.68 percentage points to GDP growth; purchases of motor vehicles and parts increased sharply. Exports increased 18.8 percent and con-

tributed 1.94 percentage points; most categories of goods contributed to the increase, as did services. PDE increased 21.0 percent and contributed 1.57 percentage points; transportation equipment and information processing equipment both increased sharply. Most other final sales components also contributed to the increase. The increase was damped by an increase in imports, mainly capital goods and autos, and by a decrease in inventory investment, as the pace of inventory accumulation slowed; in-

2. The growth rate of GDP in the third and fourth quarters was not affected by the privatization in late July of the United States Enrichment Corporation (USEC) by the Federal Government, but the composition of GDP was affected. In the third quarter, government spending was reduced and private investment increased by \$6.4 billion. As a result, the third-quarter change in government spending was reduced, and the fourth-quarter change was increased; the sale had the opposite effect on gross private domestic investment.

### Fourth-Quarter 1998 Advance GDP Estimate: Source Data and Assumptions

The "advance" GDP estimate for the fourth quarter is based on preliminary and incomplete source data; as more and better data become available, the estimate will be revised. The advance estimate is based on the following major source data. (The number of months for which data were available is shown in parentheses.)

*Personal consumption expenditures:* Sales of retail stores (3) and unit auto and truck sales (3);

*Nonresidential fixed investment:* Unit auto and truck sales (3), construction put in place (2), manufacturers' shipments of machinery and equipment other than aircraft (3), aircraft shipments (2), and exports and imports of machinery and equipment (2);

*Residential investment:* Construction put in place (2) and single-family housing starts (3);

*Change in business inventories:* Manufacturing and trade inventories (2) and unit auto and truck inventories (3);

*Net exports of goods and services:* Exports and imports of goods and services (2);

*Government consumption expenditures and gross investment:* Department of Defense outlays (3), other Federal outlays (3), State and local construction put in place (2), and State and local employment (3);

*GDP prices:* Consumer Price Index (3), Producer Price Index (3), U.S. Import and Export Price Indexes (3), and values and quantities of petroleum imports (2).

BEA made assumptions for source data that were not available. Table A shows the assumptions for key series; a more comprehensive listing of assumptions is available on the Department of Commerce's Economic Bulletin Board or from BEA.

Table A.—Summary of Major Data Assumptions for Advance Estimates, 1998:IV

[Billions of dollars, seasonally adjusted at annual rates]

	1998					
	July	August	September	October	November	December <sup>1</sup>
Fixed investment:						
Nonresidential structures:						
Buildings, utilities, and farm:						
Value of new nonresidential construction put in place .....	169.4	172.2	172.3	174.7	174.6	175.3
Producers' durable equipment:						
Manufacturers' shipments of complete civilian aircraft .....	52.4	41.9	44.1	67.2	60.2	55.1
Residential structures:						
Value of new residential construction put in place:						
1-unit structures .....	188.9	190.0	191.8	193.6	197.1	203.2
2-or-more-unit structures .....	23.8	23.2	24.8	25.4	25.3	25.1
Change in business inventories nonfarm:						
Change in inventories for manufacturing and trade (except nonmerchant wholesalers) for industries other than motor vehicles and equipment in trade .....	20.4	41.7	39.2	12.2	43.4	-20.3
Net exports: <sup>2</sup>						
Exports of goods:						
U.S. exports of goods, balance-of-payments basis .....	645.9	646.3	672.1	700.1	682.0	676.2
Excluding nonmonetary gold .....	643.2	639.8	665.7	690.2	674.1	673.2
Imports of goods:						
U.S. imports of goods, balance-of-payments basis .....	898.3	919.2	921.7	942.1	944.6	948.0
Excluding nonmonetary gold .....	893.1	910.0	914.0	934.0	937.4	943.6
Net exports of goods (exports less imports) .....	-252.4	-272.9	-249.6	-242.0	-262.6	-271.8
Excluding nonmonetary gold .....	-249.9	-270.2	-248.3	-243.8	-263.3	-270.4
Government consumption expenditures and gross investment:						
State and local:						
Structures:						
Value of new construction put in place .....	131.7	132.0	134.5	131.2	133.3	134.4

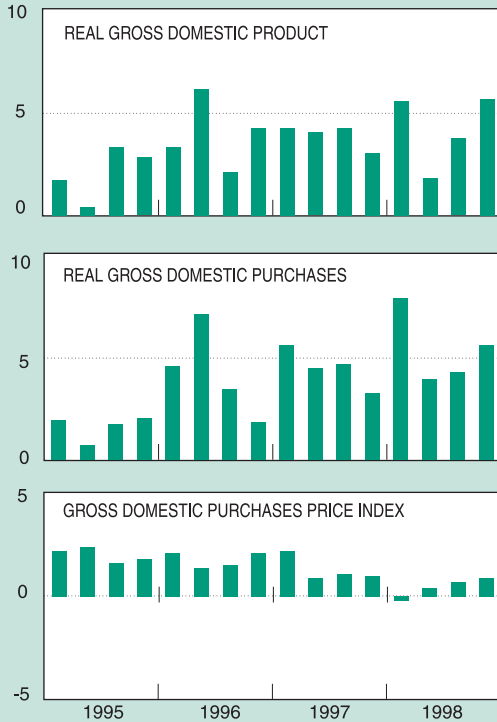
1. Assumed.

2. Nonmonetary gold is included in balance-of-payments-basis exports and imports but is not used directly in the estimation of NIPA exports and imports.

**CHART 1**

**Selected Measures:  
Change From Preceding Quarter**

Percent



Note—Percent change at annual rate from preceding quarter; based on seasonally adjusted estimates.

U.S. Department of Commerce, Bureau of Economic Analysis

vestment in motor vehicle inventories swung from liquidation to accumulation, but accumulation of non-motor-vehicle inventories dropped substantially.

**Table 2.—Contributions to Percent Change in Real Gross Domestic Product**

[Quarterly estimates seasonally adjusted at annual rates]

	1997	1998	1998			
			I	II	III	IV
<b>Percent change:</b>						
Gross domestic product .....	3.9	3.9	5.5	1.8	3.7	5.6
<b>Percentage points:</b>						
Personal consumption expenditures	2.31	3.30	4.09	4.09	2.78	3.03
Durable goods .....	.56	.80	1.23	.91	.20	1.68
Nondurable goods .....	.49	.76	1.41	1.01	.42	.64
Services .....	1.26	1.74	1.40	2.14	2.15	.71
Gross private domestic investment ...	1.65	1.54	4.07	-.75	1.22	1.86
Fixed investment .....	1.18	1.59	2.82	1.95	.33	2.17
Nonresidential .....	1.08	1.17	2.21	1.35	-.08	1.73
Structures .....	.20	0	-.15	-.07	.01	.16
Producers' durable equipment .....	.88	1.17	2.36	1.42	-.09	1.57
Residential .....	.10	.43	.60	.60	.41	.44
Change in business inventories ...	.47	-.06	1.22	-2.66	.89	-.31
Net exports of goods and services ...	-.27	-1.17	-2.24	-2.08	-.62	-.03
Exports .....	1.43	.18	-.33	-.92	-.32	1.94
Goods .....	1.21	.19	-.29	-.98	-.04	1.66
Services .....	.22	-.01	-.04	.06	-.36	.27
Imports .....	-1.71	-1.35	-1.94	-1.18	-.30	-1.96
Goods .....	-1.51	-1.23	-1.75	-1.19	-.32	-1.87
Services .....	-.20	-.12	-.19	.01	.01	-.09
Government consumption expenditures and gross investment .....	.24	.19	-.34	.64	.27	.72
Federal .....	-.11	-.06	-.57	.44	-.09	.47
National defense .....	-.15	-.10	-.84	.38	-.17	.05
Nondefense .....	.04	.04	.26	.06	-.26	.42
State and local .....	.35	.24	.24	.20	.35	.25

NOTE.—NIPA table 8.2 also shows contributions for 1997:III and 1997:IV.

**Table 3.—Motor Vehicle Output, Sales, and Inventories**

[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1998			
	1998	1998				I	II	III	IV
		IV	I	II	III				
<b>Output</b> .....	<b>293.4</b>	<b>-6.2</b>	<b>-7.8</b>	<b>-7.7</b>	<b>40.4</b>	<b>-8.6</b>	<b>-11.2</b>	<b>-11.2</b>	<b>80.7</b>
Autos .....	120.7	-5.7	-9.7	4.5	9.3	-17.5	-29.2	17.8	37.9
Trucks .....	172.1	-4	1.8	-12.1	30.9	-1.0	4.8	-27.9	120.6
<b>Less: Exports</b> .....	24.9	-.1	-.9	-4.6	3.4	-2.3	-12.2	-54.0	80.3
Autos .....	16.8	.1	-.8	-1.6	3.5	.6	-17.0	-37.9	159.3
Trucks .....	8.1	-.2	-.1	-2.9	-.2	-6.2	-5.2	-70.3	-7.0
<b>Plus: Imports</b> .....	93.2	6.4	-1.1	-1.9	12.1	37.5	-4.9	-9.2	74.5
Autos .....	78.4	6.1	.8	-2.7	10.4	44.7	4.8	-14.6	77.1
Trucks .....	14.7	.3	-1.9	.7	1.7	7.5	-43.3	27.0	61.4
<b>Equals: Gross domestic purchases</b> .....	<b>361.6</b>	<b>.5</b>	<b>-8.1</b>	<b>-5.2</b>	<b>49.1</b>	<b>.6</b>	<b>-9.5</b>	<b>-6.4</b>	<b>79.1</b>
Autos .....	182.3	.4	-8.1	3.3	16.3	1.0	-17.7	8.4	45.4
Trucks .....	178.8	.1	0	-8.4	32.6	.1	.1	-20.2	124.0
<b>Less: Change in business inventories</b> .....	8.3	-7.7	-25.2	13.4	17.5	.....	.....	.....	.....
Autos .....	3.3	-4.3	-12.2	9.3	6.3	.....	.....	.....	.....
Trucks .....	4.9	-3.4	-12.7	4.2	10.9	.....	.....	.....	.....
<b>Equals: Final sales to domestic purchasers</b> .....	<b>353.3</b>	<b>8.2</b>	<b>17.1</b>	<b>-18.6</b>	<b>31.7</b>	<b>10.8</b>	<b>22.9</b>	<b>-20.2</b>	<b>45.7</b>
Autos .....	179.0	4.6	3.8	-5.9	10.2	11.5	9.2	-12.7	26.4
Trucks .....	173.9	3.5	13.3	-12.8	21.5	10.0	39.7	-27.5	69.3
<b>Addenda:</b>									
Personal consumption expenditures .....	212.7	3.6	9.1	-5.8	19.5	7.9	20.5	-11.2	47.2
Producers' durable equipment .....	130.4	5.4	6.3	-11.3	9.5	19.1	21.3	-29.9	35.3
Gross government investment .....	11.2	-.7	1.9	-2.0	2.7	-24.4	121.8	-56.8	191.1

NOTE.—See note to table 1 for an explanation of chained (1992) dollars. Truck output includes new trucks only; auto output includes new cars and used cars. Chained (1992) dollar levels for motor vehicle output, auto and truck output, and residuals, which measure the extent of nonadditivity in each table, are in NIPA tables 1.4, 8.5, and 8.7.

**Motor vehicles.**—The sharp increase in motor vehicle output in the fourth quarter partly reflected a rebound from a strike at a motor vehicle manufacturer from June 5 to July 29. Truck output accounted for most of the increase (table 3).

Final sales of motor vehicles to domestic purchasers increased 45.7 percent after decreasing 20.2 percent. Both autos and trucks contributed to the upswing. Purchases by consumers, businesses, and governments all turned up.

Consumer purchases turned up even though the factors frequently considered in analyses of consumer spending did not improve dramatically from the third quarter. Real disposable personal income increased 3.6 percent after increasing 3.2 percent. The Index of Consumer Sentiment (prepared by the University of Michigan Survey Research Center) decreased but remained high. The unemployment rate decreased from 4.5 percent to 4.4 percent. Among factors specific to motor vehicle purchases, the strike in the industry may have held down purchases in the third quarter and boosted them in the fourth. Interest rates on new-car loans at commercial banks changed little.

Imports and exports of motor vehicles also turned up, largely reflecting autos.

Motor vehicle inventory investment increased more than in the third quarter; the fourth-quarter increase reflected a swing from liquidation to accumulation in both auto and truck inventories. For new domestic autos, the inventory-sales ratio (calculated from units data) decreased to 2.0 at the end of the fourth quarter

from 2.1 at the end of the third; the traditional industry target is 2.4.

### Prices

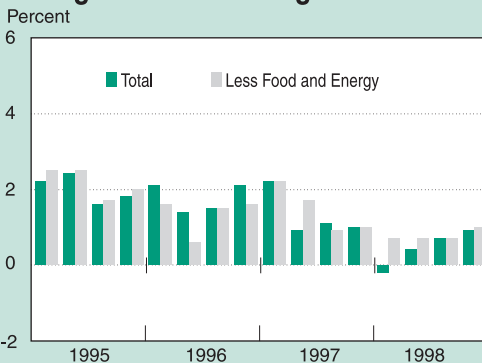
The price index for gross domestic purchases, which measures the prices paid for goods and services purchased by U.S. residents, increased 0.9 percent in the fourth quarter after increasing 0.7 percent in the third (chart 2 and table 4). Prices of gross domestic purchases less food and energy increased 1.0 percent after increasing 0.7 percent.

Prices of PCE increased 1.2 percent after increasing 1.0 percent. Food prices increased less than in the third quarter, as prices of poultry and of fats and oils decelerated and as prices of beef and veal turned down. Energy prices decreased less than in the third quarter, reflecting smaller decreases in the prices of gasoline and oil, of fuel oil and coal, and of electricity and gas. Prices of PCE excluding food and energy increased about the same in both quarters.

Prices of nonresidential fixed investment decreased 2.3 percent after decreasing 3.6 percent. PDE prices decreased less than in the third quarter, reflecting smaller decreases in the prices of

CHART 2

### Gross Domestic Purchases Prices: Change From Preceding Quarter



Note—Percent change at annual rate from preceding quarter; based on seasonally adjusted index numbers (1992=100).

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Table 4.—Price Indexes

[Percent change at annual rates; quarterly estimates based on seasonally adjusted index numbers (1992=100)]

	1997	1998	1998			
			I	II	III	IV
<b>Gross domestic product</b> .....	1.9	1.0	0.9	0.9	1.0	0.8
Less: Exports of goods and services ....	-2.0	-2.1	-3.4	-1.8	-2.8	-9
Plus: Imports of goods and services ....	-3.7	-5.3	-10.4	-4.5	-4.8	-2
<b>Equals: Gross domestic purchases</b> .....	1.6	.6	-.2	.4	.7	.9
Less: Change in business inventories .....						
<b>Equals: Final sales to domestic purchasers</b> .....	1.6	.6	-.1	.5	.7	.9
Personal consumption expenditures .....	1.9	.8	0	.9	1.0	1.2
Food .....	2.4	1.7	1.1	1.3	2.8	2.0
Energy .....	1.1	-8.0	-20.2	-7.5	-5.8	-3.1
Personal consumption expenditures less food and energy .....	1.8	1.2	1.1	1.3	1.1	1.2
Private nonresidential fixed investment .....	-1.3	-2.4	-3.0	-3.1	-3.6	-2.3
Structures .....	3.4	2.8	2.7	3.1	1.2	1.6
Producers' durable equipment .....	-3.0	-4.3	-5.0	-5.2	-5.3	-3.6
Private residential investment .....	2.6	2.1	0	1.7	3.7	3.2
Government consumption expenditures and gross investment .....	2.2	1.3	1.1	.8	1.5	1.4
Federal .....	2.0	1.1	2.7	0	.4	1.3
National defense .....	1.8	1.1	2.9	.3	.4	1.4
Nondefense .....	2.4	1.0	2.2	-.6	-.5	1.0
State and local .....	2.2	1.4	.2	1.2	2.1	1.5
<b>Addendum:</b>						
Gross domestic purchases less food and energy .....	1.6	.9	.7	.7	.7	1.0

NOTE.—Percent changes in major aggregates are in NIPA table 8.1. Index number levels are in tables 7.1, 7.2, and 7.4.

computers and peripheral equipment and larger increases in the prices of "other" PDE and of industrial equipment. Prices of nonresidential structures increased more than in the third quarter, and prices of residential investment, less.

Prices of government consumption expenditures and gross investment increased 1.4 percent after increasing 1.5 percent. Prices paid by State and local governments slowed; prices paid by the Federal Government picked up, reflecting step-ups in both national defense and nondefense prices.

The GDP price index, which measures the prices paid for goods and services produced in the United States, increased 0.8 percent after increasing 1.0 percent. This index, unlike the price index for gross domestic purchases, includes the prices of exports and excludes the prices of imports. Export prices decreased 0.9 percent after decreasing 2.8 percent; prices of nonautomotive capital

goods and of industrial supplies and materials decreased less than in the third quarter. Import prices decreased 0.2 percent after decreasing 4.8 percent; prices of petroleum products and of nonautomotive capital goods decreased less than in the third quarter.

**Personal income**

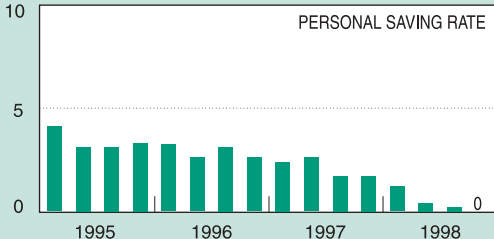
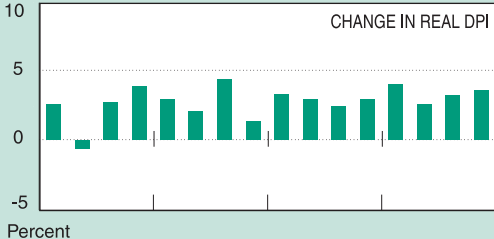
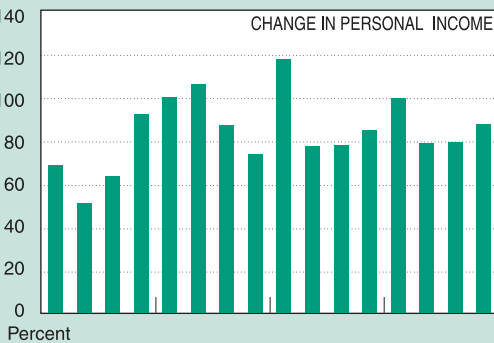
Real disposable personal income (DPI) increased 3.6 percent in the fourth quarter after increasing 3.2 percent in the third (chart 3). Current-dollar DPI increased 4.8 percent after increasing 4.3 percent. The personal saving rate (saving as a percentage of current-dollar DPI) decreased to zero from 0.2 percent, as personal outlays increased more than DPI. The fourth-quarter rate was the lowest since the quarterly series began in the first quarter of 1946. (The saving rate is discussed in the "Note on the Personal Saving Rate" beginning on page 8.)

Personal income increased \$87.1 billion after increasing \$78.9 billion (table 5). In each quarter,

**CHART 3**

**Selected Personal Income and Saving Measures**

Billions \$



Note—Changes are from preceding quarter, based on seasonally adjusted annual rates

U.S. Department of Commerce, Bureau of Economic Analysis

**Table 5.—Personal Income and Its Disposition**

(Billions of dollars; quarterly estimates seasonally adjusted at annual rates)

	Level		Change from preceding period					
	1998	1998	1997	1998	1998			
		IV			I	II	III	IV
Wage and salary disbursements .....	4,149.2	4,240.0	258.7	259.4	72.0	55.7	59.5	62.9
Private industries .....	3,459.6	3,539.9	235.5	233.9	64.0	49.4	52.6	55.5
Goods-producing industries .....	1,026.9	1,037.3	66.0	51.9	15.3	4.2	4.8	9.3
Manufacturing .....	751.5	753.9	44.9	32.0	9.1	.4	.1	3.0
Distributive industries .....	938.5	957.1	56.5	58.7	14.4	13.3	13.6	11.3
Service industries .....	1,494.3	1,545.5	112.9	123.5	34.3	31.9	34.2	34.9
Government .....	689.5	700.1	23.3	25.3	8.1	6.3	6.9	7.4
Other labor income .....	406.9	411.0	5.9	14.0	5.8	2.9	2.7	2.6
Proprietors' income with IVA and CCAj .....	575.5	590.0	23.5	24.3	6.2	7.5	4.4	13.9
Farm .....	27.1	28.3	-3.4	-8.4	-4.0	.3	-2.5	3.1
Nonfarm .....	548.4	561.7	27.0	32.6	10.2	7.2	6.9	10.8
Rental income of persons with CCAj .....	162.0	165.0	8.0	3.8	-5	2.7	2.6	1.4
Personal dividend income .....	263.1	265.7	12.1	2.8	.3	.5	.9	2.7
Personal interest income .....	764.9	770.2	27.9	17.6	4.0	6.0	6.2	1.0
Transfer payments to persons .....	1,149.5	1,160.2	42.4	39.1	18.5	6.8	7.1	7.3
Less: Personal contributions for social insurance .....	347.4	354.2	19.9	21.2	7.3	4.2	4.4	4.7
<b>Personal income .....</b>	<b>7,123.6</b>	<b>7,247.9</b>	<b>358.8</b>	<b>339.6</b>	<b>99.0</b>	<b>78.0</b>	<b>78.9</b>	<b>87.1</b>
Less: Personal tax and nontax payments .....	1,098.1	1,124.3	98.5	109.1	41.3	26.1	15.5	15.9
<b>Equals: Disposable personal income .....</b>	<b>6,025.5</b>	<b>6,123.6</b>	<b>260.4</b>	<b>230.4</b>	<b>57.7</b>	<b>51.8</b>	<b>63.5</b>	<b>71.2</b>
Less: Personal outlays .....	5,998.1	6,125.4	297.9	324.0	82.8	99.3	76.5	85.6
<b>Equals: Personal saving .....</b>	<b>27.4</b>	<b>-1.8</b>	<b>-37.5</b>	<b>-93.6</b>	<b>-25.2</b>	<b>-47.4</b>	<b>-13.0</b>	<b>-14.4</b>
<b>Addenda: Special factors in personal income:</b>								
In wages and salaries:								
Strike in motor vehicle industry .....		0			0	-1.2	-1.3	2.5
In farm proprietors' income:								
Subsidies .....		3.7			0	0	0	3.7
In transfer payments to persons:								
Social security retroactive payments .....		1.2			-1.1	0	0	1.2
Cost-of-living adjustments in Federal transfer programs .....		10.2			9.8	0	0	.4

NOTE.—Most dollar levels are in NIPA table 2.1.  
IVA Inventory valuation adjustment  
CCAj Capital consumption adjustment

about three-fourths of the increase was accounted for by wage and salary disbursements, which increased \$62.9 billion after increasing \$59.5 billion. Private wages and salaries increased \$55.5 billion after increasing \$52.6 billion; service industries accounted for about two-thirds of the increase in each quarter. Government wages and salaries increased \$7.4 billion after increasing \$6.9 billion.

Proprietors' income increased \$13.9 billion after increasing \$4.4 billion. Farm proprietors' income increased after decreasing. Most of the upturn was accounted for by an acceleration in subsidy payments; the acceleration largely reflected payments that were authorized by the Federal 1998 Omnibus Budget Resolution to farmers who were already participating in the Federal farm program. The remainder of the upturn in farm proprietors' income was accounted for by upturns in the prices of both crops and livestock. Nonfarm proprietors' income increased more than in the third quarter; most of the acceleration reflected an upturn in retail trade.

Personal interest income increased \$1.0 billion after increasing \$6.2 billion. The slowdown reflected a decline in interest rates.

Most other components of personal income increased about as much as in the third quarter.

Personal tax and nontax payments increased \$15.9 billion, about the same as in the third quarter.


### The Year 1998

In 1998, the U.S. economy experienced strong growth in production and income and very

little inflation. Real GDP increased 3.9 percent, the same as in 1997 and higher than any other year since 1984. Real DPI increased 3.1 percent—the biggest increase since 1988—after increasing 2.8 percent. The price index for gross domestic purchases increased 0.6 percent—the smallest increase since 1949—after increasing 1.6 percent.

The growth in real GDP in 1998 was more than accounted for by PCE and by nonresidential fixed investment. PCE increased 4.8 percent and contributed 3.30 percentage points to real GDP growth; about half of the PCE increase was in services. Nonresidential fixed investment increased 11.9 percent and contributed 1.17 percentage points to real GDP growth; PDE more than accounted for the increase. In contrast, a 10.8-percent increase in imports contributed a negative 1.35 percentage points.

The growth in real DPI reflected a sizable increase in current-dollar DPI and a small increase in consumer prices. The increase in current-dollar DPI was more than accounted for by wage and salary disbursements, which increased \$259.4 billion. The personal saving rate decreased to 0.5 percent from 2.1 percent.

The small increase in the price index for gross domestic purchases reflected a decrease in PDE prices and a small increase in PCE prices. The decrease in PDE prices was largely accounted for by a drop in the prices of computers and peripheral equipment; the increase in PCE prices was constrained by decreases in durable goods prices and in energy prices. 

## Upcoming Comprehensive Revision of the National Income and Product Accounts

Beginning on October 28, 1999, the Bureau of Economic Analysis (BEA) plans to release the results of its 11th comprehensive, or benchmark, revision of the national income and product accounts (NIPAs).<sup>1</sup> The annual revision of the NIPAs that would normally take place this summer will instead be combined with the upcoming comprehensive revision.

Comprehensive revisions, which are usually prepared at least once every 5 years, incorporate three major types of improvements: (1) Definitional and classificational changes that update the accounts to more accurately portray the evolving U.S. economy, (2) statistical changes that update the accounts to reflect the introduction of new and improved methodologies and the incorporation of newly available and revised source data, and (3) presentational changes that update the NIPA tables to reflect the aforementioned changes and to make the tables more informative.

Comprehensive revisions, and to a lesser extent annual revisions, provide the opportunity to introduce the major changes that are outlined in BEA's strategic plan for maintaining and improving its economic accounts. BEA periodically updates its strategic plan,

which is available on our Web site at <[www.bea.doc.gov](http://www.bea.doc.gov)>; click on "BEA's mission."

For the upcoming comprehensive revision, BEA is considering several major improvements—including the capitalization of investments in computer software, the treatment of government retirement plans symmetrically with private plans, and the integration of BEA's wealth estimates with the NIPA estimates. However, constraints on time, resources, and source data will play a role in deciding which improvements will be implemented.

During the year, BEA will provide additional information on the comprehensive revision in articles in the SURVEY OF CURRENT BUSINESS that preview the proposed changes and will solicit input through discussions at group meetings of experts.

If you have comments or suggestions on BEA's strategic plan or on the upcoming comprehensive revision, please contact

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1. In the spring of 2000, the regional estimates of personal income will be revised to reflect the results of the NIPA revision; for more information, see the box "Upcoming Comprehensive Revision of State and Local Area Personal Income" on page 16.



# B U S I N E S S S I T U A T I O N

This article was prepared by Daniel Larkins, Larry R. Moran, Ralph W. Morris, and Deborah Y. Steff.

**E**CONOMIC GROWTH accelerated in the fourth quarter of 1998, according to the "advance" estimates of the national income and product accounts (NIPA's): Real gross domestic product (GDP) increased 5.6 percent after increasing 3.7 percent in the third quarter (chart 1 and table 1).<sup>1</sup> Prices increased at about the same rate as in the third quarter, as the price index for gross domestic purchases increased 0.9 percent after increasing 0.7 percent. Real disposable personal income increased 3.6 percent after increasing 3.2 percent, and the personal saving rate

(current-dollar saving as a percentage of current-dollar disposable personal income) continued its downtrend, decreasing to zero from 0.2 percent.

The acceleration in real GDP growth from 3.7 percent to 5.6 percent was more than accounted for by a sharp turnaround in motor vehicle output that at least partly reflected a recovery from a midsummer strike at a major manufacturer; excluding motor vehicles, real GDP increased 3.5 percent after increasing 4.2 percent. Partly reflecting the strength in motor vehicles, exports and producers' durable equipment (PDE) turned up, and personal consumption expenditures (PCE) for durable goods accelerated. The acceleration in GDP was moderated by a step-up in imports, a slowdown in PCE for services, and a downturn in inventory investment.

The largest contributors to the 5.6-percent fourth-quarter increase in real GDP were exports,

1. Quarterly estimates in the NIPA's are expressed at seasonally adjusted annual rates. Quarter-to-quarter dollar changes are the differences between the published estimates. Quarter-to-quarter percent changes are annualized and are calculated from unrounded data unless otherwise specified.

Real estimates are calculated using a chain-type Fisher formula with annual weights for all years and quarters except those in the most recent year, which are calculated using quarterly weights; real estimates are expressed both as index numbers (1992=100) and as chained (1992) dollars. Price indexes (1992=100) are also calculated using a chain-type Fisher formula.

**Table 1.—Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers**  
[Quarterly estimates seasonally adjusted at annual rates]

	Billions of chained (1992) dollars						Percent change from preceding period					
	Change from preceding period						1997	1998	1998			
	1997	1998	1998						I	II	III	IV
			I	II	III	IV						
<b>Gross domestic product</b> .....	<b>275.0</b>	<b>280.1</b>	<b>100.1</b>	<b>33.9</b>	<b>67.9</b>	<b>103.5</b>	<b>3.9</b>	<b>3.9</b>	<b>5.5</b>	<b>1.8</b>	<b>3.7</b>	<b>5.6</b>
Less: Exports of goods and services .....	110.0	14.2	-6.9	-19.8	-6.8	42.4	12.8	1.5	-2.8	-7.7	-2.8	18.8
Plus: Imports of goods and services .....	134.9	119.6	42.6	26.9	7.0	46.3	13.9	10.8	15.7	9.3	2.3	16.0
<b>Equals: Gross domestic purchases</b> .....	<b>295.4</b>	<b>370.1</b>	<b>142.8</b>	<b>73.7</b>	<b>80.2</b>	<b>105.2</b>	<b>4.2</b>	<b>5.0</b>	<b>7.8</b>	<b>3.9</b>	<b>4.2</b>	<b>5.5</b>
Less: Change in business inventories .....	33.2	-4.7	24.9	-53.2	17.5	-6.8	.....	.....	.....	.....	.....	.....
Nonfarm .....	35.6	-7.7	23.2	-56.0	17.1	-5.3	.....	.....	.....	.....	.....	.....
Farm .....	-2.8	3.4	1.6	3.4	.4	-1.3	.....	.....	.....	.....	.....	.....
<b>Equals: Final sales to domestic purchasers</b> .....	<b>262.2</b>	<b>374.6</b>	<b>120.1</b>	<b>124.2</b>	<b>63.4</b>	<b>111.0</b>	<b>3.7</b>	<b>5.1</b>	<b>6.6</b>	<b>6.7</b>	<b>3.3</b>	<b>5.9</b>
Personal consumption expenditures .....	161.1	237.7	74.1	75.1	51.6	56.0	3.4	4.8	6.1	6.1	4.1	4.4
Durable goods .....	42.5	67.3	25.5	19.1	4.3	36.4	6.8	10.1	15.8	11.2	2.4	21.4
Nondurable goods .....	35.4	56.8	26.9	19.7	8.2	12.3	2.4	3.8	7.4	5.3	2.1	3.2
Services .....	84.8	117.9	24.5	37.5	38.0	12.0	3.2	4.3	3.5	5.4	5.4	1.7
Gross private domestic fixed investment .....	87.4	130.9	55.4	39.2	6.8	44.7	8.3	11.5	20.4	13.4	2.2	14.8
Nonresidential fixed investment .....	82.8	102.4	45.7	28.5	-1.7	37.8	10.7	11.9	22.2	12.8	-7	16.7
Structures .....	13.5	-2	-2.6	-1.2	.1	2.8	7.1	-1	-4.9	-2.3	.2	5.5
Producers' durable equipment .....	71.1	110.7	52.4	32.5	-2.0	37.5	12.1	16.7	34.3	18.8	-1.0	21.0
Residential investment .....	6.9	29.3	10.6	10.6	7.4	7.7	2.5	10.4	15.6	15.0	9.9	10.1
Government consumption expenditures and gross investment .....	16.8	12.5	-6.2	11.8	4.8	13.1	1.3	1.0	-1.9	3.7	1.5	4.1
Federal .....	-7.6	-4.5	-10.4	8.0	-1.6	8.7	-1.6	-1.0	-8.8	7.3	-1.4	7.9
National defense .....	-10.2	-8.5	-15.4	7.0	3.2	1.0	-3.2	-2.7	-18.5	9.9	4.3	1.2
Nondefense .....	2.4	3.7	4.6	1.0	-4.5	7.5	1.7	2.5	13.1	2.6	-11.5	21.8
State and local .....	24.4	17.2	4.2	3.8	6.4	4.4	3.1	2.1	2.1	1.8	3.1	2.1
<b>Addendum: Final sales of domestic product</b> .....	<b>242.1</b>	<b>284.6</b>	<b>77.7</b>	<b>83.9</b>	<b>51.2</b>	<b>109.3</b>	<b>3.5</b>	<b>4.0</b>	<b>4.3</b>	<b>4.6</b>	<b>2.8</b>	<b>6.0</b>

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates usually are not additive. Chained (1992) dollar levels and residuals,

which measure the extent of nonadditivity in each table, are in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are in NIPA table 8.1.

PCE for durable goods, and PDE (table 2).<sup>2</sup> PCE for durable goods increased 21.4 percent and contributed 1.68 percentage points to GDP growth; purchases of motor vehicles and parts increased sharply. Exports increased 18.8 percent and con-

tributed 1.94 percentage points; most categories of goods contributed to the increase, as did services. PDE increased 21.0 percent and contributed 1.57 percentage points; transportation equipment and information processing equipment both increased sharply. Most other final sales components also contributed to the increase. The increase was damped by an increase in imports, mainly capital goods and autos, and by a decrease in inventory investment, as the pace of inventory accumulation slowed; in-

2. The growth rate of GDP in the third and fourth quarters was not affected by the privatization in late July of the United States Enrichment Corporation (USEC) by the Federal Government, but the composition of GDP was affected. In the third quarter, government spending was reduced and private investment increased by \$6.4 billion. As a result, the third-quarter change in government spending was reduced, and the fourth-quarter change was increased; the sale had the opposite effect on gross private domestic investment.

### Fourth-Quarter 1998 Advance GDP Estimate: Source Data and Assumptions

The "advance" GDP estimate for the fourth quarter is based on preliminary and incomplete source data; as more and better data become available, the estimate will be revised. The advance estimate is based on the following major source data. (The number of months for which data were available is shown in parentheses.)

*Personal consumption expenditures:* Sales of retail stores (3) and unit auto and truck sales (3);

*Nonresidential fixed investment:* Unit auto and truck sales (3), construction put in place (2), manufacturers' shipments of machinery and equipment other than aircraft (3), aircraft shipments (2), and exports and imports of machinery and equipment (2);

*Residential investment:* Construction put in place (2) and single-family housing starts (3);

*Change in business inventories:* Manufacturing and trade inventories (2) and unit auto and truck inventories (3);

*Net exports of goods and services:* Exports and imports of goods and services (2);

*Government consumption expenditures and gross investment:* Department of Defense outlays (3), other Federal outlays (3), State and local construction put in place (2), and State and local employment (3);

*GDP prices:* Consumer Price Index (3), Producer Price Index (3), U.S. Import and Export Price Indexes (3), and values and quantities of petroleum imports (2).

BEA made assumptions for source data that were not available. Table A shows the assumptions for key series; a more comprehensive listing of assumptions is available on the Department of Commerce's Economic Bulletin Board or from BEA.

Table A.—Summary of Major Data Assumptions for Advance Estimates, 1998:IV

[Billions of dollars, seasonally adjusted at annual rates]

	1998					
	July	August	September	October	November	December <sup>1</sup>
Fixed investment:						
Nonresidential structures:						
Buildings, utilities, and farm:						
Value of new nonresidential construction put in place .....	169.4	172.2	172.3	174.7	174.6	175.3
Producers' durable equipment:						
Manufacturers' shipments of complete civilian aircraft .....	52.4	41.9	44.1	67.2	60.2	55.1
Residential structures:						
Value of new residential construction put in place:						
1-unit structures .....	188.9	190.0	191.8	193.6	197.1	203.2
2-or-more-unit structures .....	23.8	23.2	24.8	25.4	25.3	25.1
Change in business inventories nonfarm:						
Change in inventories for manufacturing and trade (except nonmerchant wholesalers) for industries other than motor vehicles and equipment in trade .....	20.4	41.7	39.2	12.2	43.4	-20.3
Net exports: <sup>2</sup>						
Exports of goods:						
U.S. exports of goods, balance-of-payments basis .....	645.9	646.3	672.1	700.1	682.0	676.2
Excluding nonmonetary gold .....	643.2	639.8	665.7	690.2	674.1	673.2
Imports of goods:						
U.S. imports of goods, balance-of-payments basis .....	898.3	919.2	921.7	942.1	944.6	948.0
Excluding nonmonetary gold .....	893.1	910.0	914.0	934.0	937.4	943.6
Net exports of goods (exports less imports) .....	-252.4	-272.9	-249.6	-242.0	-262.6	-271.8
Excluding nonmonetary gold .....	-249.9	-270.2	-248.3	-243.8	-263.3	-270.4
Government consumption expenditures and gross investment:						
State and local:						
Structures:						
Value of new construction put in place .....	131.7	132.0	134.5	131.2	133.3	134.4

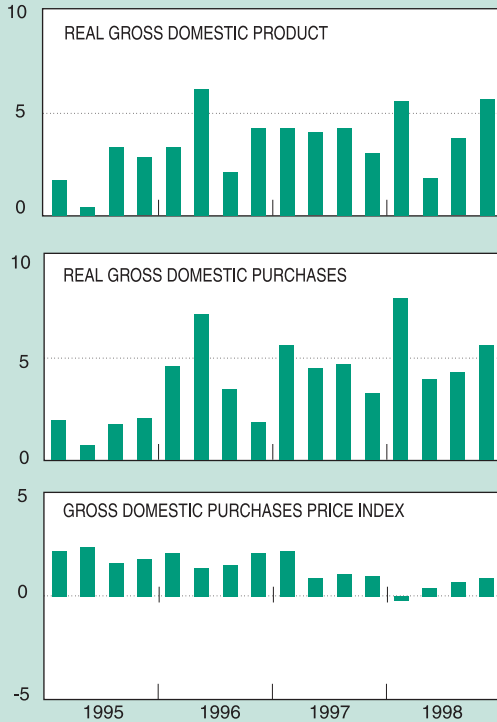
1. Assumed.

2. Nonmonetary gold is included in balance-of-payments-basis exports and imports but is not used directly in the estimation of NIPA exports and imports.

**CHART 1**

**Selected Measures:  
Change From Preceding Quarter**

Percent



Note—Percent change at annual rate from preceding quarter; based on seasonally adjusted estimates.

U.S. Department of Commerce, Bureau of Economic Analysis

vestment in motor vehicle inventories swung from liquidation to accumulation, but accumulation of non-motor-vehicle inventories dropped substantially.

**Table 2.—Contributions to Percent Change in Real Gross Domestic Product**

[Quarterly estimates seasonally adjusted at annual rates]

	1997	1998	1998			
			I	II	III	IV
<b>Percent change:</b>						
Gross domestic product .....	3.9	3.9	5.5	1.8	3.7	5.6
<b>Percentage points:</b>						
Personal consumption expenditures	2.31	3.30	4.09	4.09	2.78	3.03
Durable goods .....	.56	.80	1.23	.91	.20	1.68
Nondurable goods .....	.49	.76	1.41	1.01	.42	.64
Services .....	1.26	1.74	1.40	2.14	2.15	.71
Gross private domestic investment ...	1.65	1.54	4.07	-.75	1.22	1.86
Fixed investment .....	1.18	1.59	2.82	1.95	.33	2.17
Nonresidential .....	1.08	1.17	2.21	1.35	-.08	1.73
Structures .....	.20	0	-.15	-.07	.01	.16
Producers' durable equipment .....	.88	1.17	2.36	1.42	-.09	1.57
Residential .....	.10	.43	.60	.60	.41	.44
Change in business inventories ...	.47	-.06	1.22	-2.66	.89	-.31
Net exports of goods and services ...	-.27	-1.17	-2.24	-2.08	-.62	-.03
Exports .....	1.43	.18	-.33	-.92	-.32	1.94
Goods .....	1.21	.19	-.29	-.98	-.04	1.66
Services .....	.22	-.01	-.04	.06	-.36	.27
Imports .....	-1.71	-1.35	-1.94	-1.18	-.30	-1.96
Goods .....	-1.51	-1.23	-1.75	-1.19	-.32	-1.87
Services .....	-.20	-.12	-.19	.01	.01	-.09
Government consumption expenditures and gross investment .....	.24	.19	-.34	.64	.27	.72
Federal .....	-.11	-.06	-.57	.44	-.09	.47
National defense .....	-.15	-.10	-.84	.38	-.17	.05
Nondefense .....	.04	.04	.26	.06	-.26	.42
State and local .....	.35	.24	.24	.20	.35	.25

NOTE.—NIPA table 8.2 also shows contributions for 1997:III and 1997:IV.

**Table 3.—Motor Vehicle Output, Sales, and Inventories**

[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1998			
	1998	1998				1998			
	IV	I	II	III	IV	I	II	III	IV
<b>Output</b> .....	<b>293.4</b>	<b>-6.2</b>	<b>-7.8</b>	<b>-7.7</b>	<b>40.4</b>	<b>-8.6</b>	<b>-11.2</b>	<b>-11.2</b>	<b>80.7</b>
Autos .....	120.7	-5.7	-9.7	4.5	9.3	-17.5	-29.2	17.8	37.9
Trucks .....	172.1	-4	1.8	-12.1	30.9	-1.0	4.8	-27.9	120.6
<b>Less: Exports</b> .....	24.9	-.1	-.9	-4.6	3.4	-2.3	-12.2	-54.0	80.3
Autos .....	16.8	.1	-.8	-1.6	3.5	.6	-17.0	-37.9	159.3
Trucks .....	8.1	-.2	-.1	-2.9	-.2	-6.2	-5.2	-70.3	-7.0
<b>Plus: Imports</b> .....	93.2	6.4	-1.1	-1.9	12.1	37.5	-4.9	-9.2	74.5
Autos .....	78.4	6.1	.8	-2.7	10.4	44.7	4.8	-14.6	77.1
Trucks .....	14.7	.3	-1.9	.7	1.7	7.5	-43.3	27.0	61.4
<b>Equals: Gross domestic purchases</b> .....	<b>361.6</b>	<b>.5</b>	<b>-8.1</b>	<b>-5.2</b>	<b>49.1</b>	<b>.6</b>	<b>-9.5</b>	<b>-6.4</b>	<b>79.1</b>
Autos .....	182.3	.4	-8.1	3.3	16.3	1.0	-17.7	8.4	45.4
Trucks .....	178.8	.1	0	-8.4	32.6	.1	.1	-20.2	124.0
<b>Less: Change in business inventories</b> .....	8.3	-7.7	-25.2	13.4	17.5				
Autos .....	3.3	-4.3	-12.2	9.3	6.3				
Trucks .....	4.9	-3.4	-12.7	4.2	10.9				
<b>Equals: Final sales to domestic purchasers</b> .....	<b>353.3</b>	<b>8.2</b>	<b>17.1</b>	<b>-18.6</b>	<b>31.7</b>	<b>10.8</b>	<b>22.9</b>	<b>-20.2</b>	<b>45.7</b>
Autos .....	179.0	4.6	3.8	-5.9	10.2	11.5	9.2	-12.7	26.4
Trucks .....	173.9	3.5	13.3	-12.8	21.5	10.0	39.7	-27.5	69.3
<b>Addenda:</b>									
Personal consumption expenditures .....	212.7	3.6	9.1	-5.8	19.5	7.9	20.5	-11.2	47.2
Producers' durable equipment .....	130.4	5.4	6.3	-11.3	9.5	19.1	21.3	-29.9	35.3
Gross government investment .....	11.2	-.7	1.9	-2.0	2.7	-24.4	121.8	-56.8	191.1

NOTE.—See note to table 1 for an explanation of chained (1992) dollars. Truck output includes new trucks only; auto output includes new cars and used cars. Chained (1992) dollar levels for motor vehicle output, auto and truck output, and residuals, which measure the extent of nonadditivity in each table, are in NIPA tables 1.4, 8.5, and 8.7.

**Motor vehicles.**—The sharp increase in motor vehicle output in the fourth quarter partly reflected a rebound from a strike at a motor vehicle manufacturer from June 5 to July 29. Truck output accounted for most of the increase (table 3).

Final sales of motor vehicles to domestic purchasers increased 45.7 percent after decreasing 20.2 percent. Both autos and trucks contributed to the upswing. Purchases by consumers, businesses, and governments all turned up.

Consumer purchases turned up even though the factors frequently considered in analyses of consumer spending did not improve dramatically from the third quarter. Real disposable personal income increased 3.6 percent after increasing 3.2 percent. The Index of Consumer Sentiment (prepared by the University of Michigan Survey Research Center) decreased but remained high. The unemployment rate decreased from 4.5 percent to 4.4 percent. Among factors specific to motor vehicle purchases, the strike in the industry may have held down purchases in the third quarter and boosted them in the fourth. Interest rates on new-car loans at commercial banks changed little.

Imports and exports of motor vehicles also turned up, largely reflecting autos.

Motor vehicle inventory investment increased more than in the third quarter; the fourth-quarter increase reflected a swing from liquidation to accumulation in both auto and truck inventories. For new domestic autos, the inventory-sales ratio (calculated from units data) decreased to 2.0 at the end of the fourth quarter

from 2.1 at the end of the third; the traditional industry target is 2.4.

### Prices

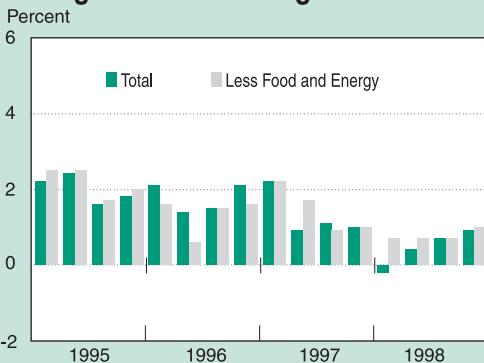
The price index for gross domestic purchases, which measures the prices paid for goods and services purchased by U.S. residents, increased 0.9 percent in the fourth quarter after increasing 0.7 percent in the third (chart 2 and table 4). Prices of gross domestic purchases less food and energy increased 1.0 percent after increasing 0.7 percent.

Prices of PCE increased 1.2 percent after increasing 1.0 percent. Food prices increased less than in the third quarter, as prices of poultry and of fats and oils decelerated and as prices of beef and veal turned down. Energy prices decreased less than in the third quarter, reflecting smaller decreases in the prices of gasoline and oil, of fuel oil and coal, and of electricity and gas. Prices of PCE excluding food and energy increased about the same in both quarters.

Prices of nonresidential fixed investment decreased 2.3 percent after decreasing 3.6 percent. PDE prices decreased less than in the third quarter, reflecting smaller decreases in the prices of

CHART 2

### Gross Domestic Purchases Prices: Change From Preceding Quarter



Note—Percent change at annual rate from preceding quarter; based on seasonally adjusted index numbers (1992=100).

U.S. Department of Commerce, Bureau of Economic Analysis

Table 4.—Price Indexes

[Percent change at annual rates; quarterly estimates based on seasonally adjusted index numbers (1992=100)]

	1997	1998	1998			
			I	II	III	IV
<b>Gross domestic product</b> .....	1.9	1.0	0.9	0.9	1.0	0.8
Less: Exports of goods and services ....	-2.0	-2.1	-3.4	-1.8	-2.8	-9
Plus: Imports of goods and services ....	-3.7	-5.3	-10.4	-4.5	-4.8	-2
<b>Equals: Gross domestic purchases</b> .....	1.6	.6	-.2	.4	.7	.9
Less: Change in business inventories .....						
<b>Equals: Final sales to domestic purchasers</b> .....	1.6	.6	-.1	.5	.7	.9
Personal consumption expenditures .....	1.9	.8	0	.9	1.0	1.2
Food .....	2.4	1.7	1.1	1.3	2.8	2.0
Energy .....	1.1	-8.0	-20.2	-7.5	-5.8	-3.1
Personal consumption expenditures less food and energy .....	1.8	1.2	1.1	1.3	1.1	1.2
Private nonresidential fixed investment .....	-1.3	-2.4	-3.0	-3.1	-3.6	-2.3
Structures .....	3.4	2.8	2.7	3.1	1.2	1.6
Producers' durable equipment .....	-3.0	-4.3	-5.0	-5.2	-5.3	-3.6
Private residential investment .....	2.6	2.1	0	1.7	3.7	3.2
Government consumption expenditures and gross investment .....	2.2	1.3	1.1	.8	1.5	1.4
Federal .....	2.0	1.1	2.7	0	.4	1.3
National defense .....	1.8	1.1	2.9	.3	.4	1.4
Nondefense .....	2.4	1.0	2.2	-.6	.5	1.0
State and local .....	2.2	1.4	.2	1.2	2.1	1.5
<b>Addendum:</b>						
Gross domestic purchases less food and energy .....	1.6	.9	.7	.7	.7	1.0

NOTE.—Percent changes in major aggregates are in NIPA table 8.1. Index number levels are in tables 7.1, 7.2, and 7.4.

computers and peripheral equipment and larger increases in the prices of "other" PDE and of industrial equipment. Prices of nonresidential structures increased more than in the third quarter, and prices of residential investment, less.

Prices of government consumption expenditures and gross investment increased 1.4 percent after increasing 1.5 percent. Prices paid by State and local governments slowed; prices paid by the Federal Government picked up, reflecting step-ups in both national defense and nondefense prices.

The GDP price index, which measures the prices paid for goods and services produced in the United States, increased 0.8 percent after increasing 1.0 percent. This index, unlike the price index for gross domestic purchases, includes the prices of exports and excludes the prices of imports. Export prices decreased 0.9 percent after decreasing 2.8 percent; prices of nonautomotive capital

goods and of industrial supplies and materials decreased less than in the third quarter. Import prices decreased 0.2 percent after decreasing 4.8 percent; prices of petroleum products and of nonautomotive capital goods decreased less than in the third quarter.

**Personal income**

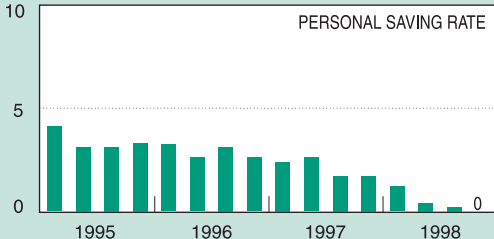
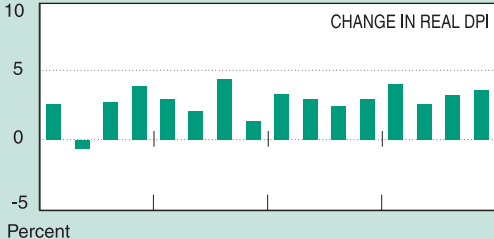
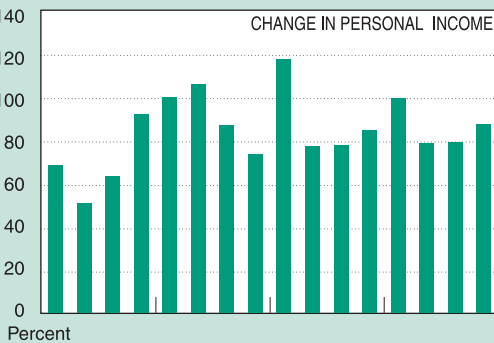
Real disposable personal income (DPI) increased 3.6 percent in the fourth quarter after increasing 3.2 percent in the third (chart 3). Current-dollar DPI increased 4.8 percent after increasing 4.3 percent. The personal saving rate (saving as a percentage of current-dollar DPI) decreased to zero from 0.2 percent, as personal outlays increased more than DPI. The fourth-quarter rate was the lowest since the quarterly series began in the first quarter of 1946. (The saving rate is discussed in the "Note on the Personal Saving Rate" beginning on page 8.)

Personal income increased \$87.1 billion after increasing \$78.9 billion (table 5). In each quarter,

**CHART 3**

**Selected Personal Income and Saving Measures**

Billions \$



Note—Changes are from preceding quarter, based on seasonally adjusted annual rates

U.S. Department of Commerce, Bureau of Economic Analysis

**Table 5.—Personal Income and Its Disposition**

(Billions of dollars; quarterly estimates seasonally adjusted at annual rates)

	Level		Change from preceding period					
	1998	1998	1997	1998	1998			
		IV		I	II	III	IV	
Wage and salary disbursements .....	4,149.2	4,240.0	258.7	259.4	72.0	55.7	59.5	62.9
Private industries .....	3,459.6	3,539.9	235.5	233.9	64.0	49.4	52.6	55.5
Goods-producing industries .....	1,026.9	1,037.3	66.0	51.9	15.3	4.2	4.8	9.3
Manufacturing .....	751.5	753.9	44.9	32.0	9.1	.4	.1	3.0
Distributive industries .....	938.5	957.1	56.5	58.7	14.4	13.3	13.6	11.3
Service industries .....	1,494.3	1,545.5	112.9	123.5	34.3	31.9	34.2	34.9
Government .....	689.5	700.1	23.3	25.3	8.1	6.3	6.9	7.4
Other labor income .....	406.9	411.0	5.9	14.0	5.8	2.9	2.7	2.6
Proprietors' income with IVA and CCAj .....	575.5	590.0	23.5	24.3	6.2	7.5	4.4	13.9
Farm .....	27.1	28.3	-3.4	-8.4	-4.0	.3	-2.5	3.1
Nonfarm .....	548.4	561.7	27.0	32.6	10.2	7.2	6.9	10.8
Rental income of persons with CCAj .....	162.0	165.0	8.0	3.8	-5	2.7	2.6	1.4
Personal dividend income .....	263.1	265.7	12.1	2.8	.3	.5	.9	2.7
Personal interest income .....	764.9	770.2	27.9	17.6	4.0	6.0	6.2	1.0
Transfer payments to persons .....	1,149.5	1,160.2	42.4	39.1	18.5	6.8	7.1	7.3
Less: Personal contributions for social insurance .....	347.4	354.2	19.9	21.2	7.3	4.2	4.4	4.7
<b>Personal income .....</b>	<b>7,123.6</b>	<b>7,247.9</b>	<b>358.8</b>	<b>339.6</b>	<b>99.0</b>	<b>78.0</b>	<b>78.9</b>	<b>87.1</b>
Less: Personal tax and nontax payments .....	1,098.1	1,124.3	98.5	109.1	41.3	26.1	15.5	15.9
<b>Equals: Disposable personal income .....</b>	<b>6,025.5</b>	<b>6,123.6</b>	<b>260.4</b>	<b>230.4</b>	<b>57.7</b>	<b>51.8</b>	<b>63.5</b>	<b>71.2</b>
Less: Personal outlays .....	5,998.1	6,125.4	297.9	324.0	82.8	99.3	76.5	85.6
<b>Equals: Personal saving .....</b>	<b>27.4</b>	<b>-1.8</b>	<b>-37.5</b>	<b>-93.6</b>	<b>-25.2</b>	<b>-47.4</b>	<b>-13.0</b>	<b>-14.4</b>
<b>Addenda: Special factors in personal income:</b>								
In wages and salaries:								
Strike in motor vehicle industry .....		0			0	-1.2	-1.3	2.5
In farm proprietors' income:								
Subsidies .....		3.7			0	0	0	3.7
In transfer payments to persons:								
Social security retroactive payments .....		1.2			-1.1	0	0	1.2
Cost-of-living adjustments in Federal transfer programs .....		10.2			9.8	0	0	.4

NOTE.—Most dollar levels are in NIPA table 2.1.  
IVA Inventory valuation adjustment  
CCAj Capital consumption adjustment

about three-fourths of the increase was accounted for by wage and salary disbursements, which increased \$62.9 billion after increasing \$59.5 billion. Private wages and salaries increased \$55.5 billion after increasing \$52.6 billion; service industries accounted for about two-thirds of the increase in each quarter. Government wages and salaries increased \$7.4 billion after increasing \$6.9 billion.

Proprietors' income increased \$13.9 billion after increasing \$4.4 billion. Farm proprietors' income increased after decreasing. Most of the upturn was accounted for by an acceleration in subsidy payments; the acceleration largely reflected payments that were authorized by the Federal 1998 Omnibus Budget Resolution to farmers who were already participating in the Federal farm program. The remainder of the upturn in farm proprietors' income was accounted for by upturns in the prices of both crops and livestock. Nonfarm proprietors' income increased more than in the third quarter; most of the acceleration reflected an upturn in retail trade.

Personal interest income increased \$1.0 billion after increasing \$6.2 billion. The slowdown reflected a decline in interest rates.

Most other components of personal income increased about as much as in the third quarter.

Personal tax and nontax payments increased \$15.9 billion, about the same as in the third quarter.


### The Year 1998

In 1998, the U.S. economy experienced strong growth in production and income and very

little inflation. Real GDP increased 3.9 percent, the same as in 1997 and higher than any other year since 1984. Real DPI increased 3.1 percent—the biggest increase since 1988—after increasing 2.8 percent. The price index for gross domestic purchases increased 0.6 percent—the smallest increase since 1949—after increasing 1.6 percent.

The growth in real GDP in 1998 was more than accounted for by PCE and by nonresidential fixed investment. PCE increased 4.8 percent and contributed 3.30 percentage points to real GDP growth; about half of the PCE increase was in services. Nonresidential fixed investment increased 11.9 percent and contributed 1.17 percentage points to real GDP growth; PDE more than accounted for the increase. In contrast, a 10.8-percent increase in imports contributed a negative 1.35 percentage points.

The growth in real DPI reflected a sizable increase in current-dollar DPI and a small increase in consumer prices. The increase in current-dollar DPI was more than accounted for by wage and salary disbursements, which increased \$259.4 billion. The personal saving rate decreased to 0.5 percent from 2.1 percent.

The small increase in the price index for gross domestic purchases reflected a decrease in PDE prices and a small increase in PCE prices. The decrease in PDE prices was largely accounted for by a drop in the prices of computers and peripheral equipment; the increase in PCE prices was constrained by decreases in durable goods prices and in energy prices. 

## Upcoming Comprehensive Revision of the National Income and Product Accounts

Beginning on October 28, 1999, the Bureau of Economic Analysis (BEA) plans to release the results of its 11th comprehensive, or benchmark, revision of the national income and product accounts (NIPAs).<sup>1</sup> The annual revision of the NIPAs that would normally take place this summer will instead be combined with the upcoming comprehensive revision.

Comprehensive revisions, which are usually prepared at least once every 5 years, incorporate three major types of improvements: (1) Definitional and classificational changes that update the accounts to more accurately portray the evolving U.S. economy, (2) statistical changes that update the accounts to reflect the introduction of new and improved methodologies and the incorporation of newly available and revised source data, and (3) presentational changes that update the NIPA tables to reflect the aforementioned changes and to make the tables more informative.

Comprehensive revisions, and to a lesser extent annual revisions, provide the opportunity to introduce the major changes that are outlined in BEA's strategic plan for maintaining and improving its economic accounts. BEA periodically updates its strategic plan,

which is available on our Web site at <[www.bea.doc.gov](http://www.bea.doc.gov)>; click on "BEA's mission."

For the upcoming comprehensive revision, BEA is considering several major improvements—including the capitalization of investments in computer software, the treatment of government retirement plans symmetrically with private plans, and the integration of BEA's wealth estimates with the NIPA estimates. However, constraints on time, resources, and source data will play a role in deciding which improvements will be implemented.

During the year, BEA will provide additional information on the comprehensive revision in articles in the SURVEY OF CURRENT BUSINESS that preview the proposed changes and will solicit input through discussions at group meetings of experts.

If you have comments or suggestions on BEA's strategic plan or on the upcoming comprehensive revision, please contact

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1. In the spring of 2000, the regional estimates of personal income will be revised to reflect the results of the NIPA revision; for more information, see the box "Upcoming Comprehensive Revision of State and Local Area Personal Income" on page 16.

## Note on the Personal Saving Rate

THE NIPA PERSONAL saving rate—personal saving as a percentage of disposable personal income—decreased to 0.5 percent in 1998 (and reached zero in the fourth quarter of 1998). These decreases, which continue a two-decade long downtrend, are not surprising in light of the large gains in household wealth, the steady growth in income, and the high levels of consumer sentiment (chart 1).<sup>1</sup>

Another measure of the personal saving rate, the Federal Reserve Board (FRB) measure of household saving as a percentage of NIPA disposable personal income, is also shown in chart 1. This rate is conceptually equivalent to the NIPA rate, but because it is based on different source data, the estimated values of the two rates usually differ.<sup>2</sup> Nevertheless, whether saving is calculated in terms of flows (as in the NIPA's) or in terms of net change in assets (as in the FRB measure), it shows a clear downtrend. Moreover, in 1997 (the latest year for which the FRB measure is available), the FRB's rate was 1.5 percent, close to the NIPA rate of 2.1 percent, and the lowest rate since the beginning of the series in 1946.

Although the personal saving rate is low, total saving in the U.S. economy is not. The national saving rate—gross saving as a percentage of gross national product—was 17.3 percent in the third quarter of 1998, a little higher than the average rate for the past two decades and up from 13.8 percent in the fourth quarter of 1992.<sup>3</sup> In recent years, as personal saving has fallen, saving by business (mainly in the form of retained earnings and consumption of fixed capital) and by government (in the form of the NIPA surplus

and consumption of fixed capital) have risen. Personal, business, and government saving are published in NIPA table 5.1 and are shown as a percentage of gross national product (GNP) in chart 2.<sup>4</sup>

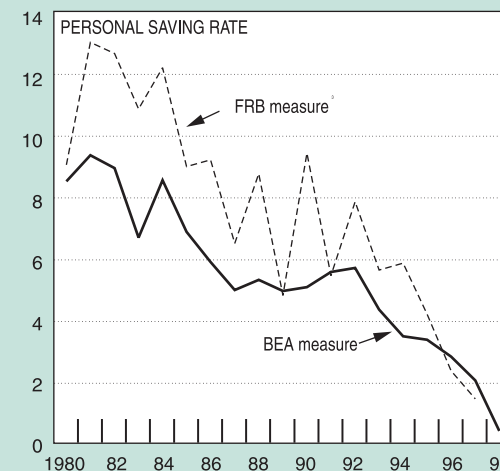
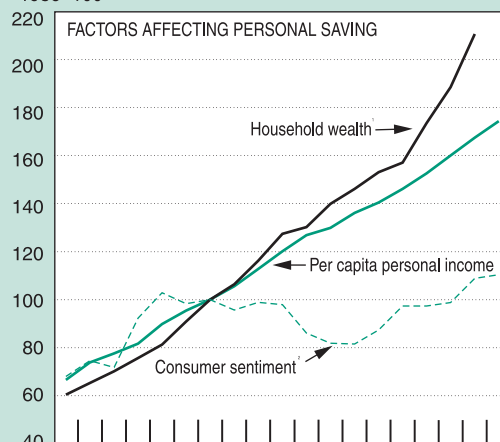
Gross saving combined with net foreign investment, which reflects the acquisition of U.S. assets by foreign residents, has been adequate to finance high levels of investment in recent years. From 1991 to 1997, real gross private domestic investment (shown in NIPA

4. A version of this chart is published monthly in the SURVEY (see page D-45 in this issue).

### CHART 1

#### Perspectives on Personal Saving

1986=100



NOTE.—In the top panel, all series converted to indexes, 1986=100, by BEA

1. Net worth of households and nonprofit organizations. Data: Federal Reserve Board.

2. Data: University of Michigan, Survey Research Center.

3. Personal Saving (NIPA concept, "Flow of Funds" data). Data: Federal Reserve Board

U.S. Department of Commerce, Bureau of Economic Analysis

1. The personal saving rate was discussed in connection with the redefinition of dividend income in last year's annual revision in the box "Recent Trends in the NIPA Personal Saving Rate," in Eugene P. Seskin, "Annual Revision of the National Income and Product Accounts: Annual Estimates, 1995-97 and Quarterly Estimates, 1995:1-1998:1," SURVEY OF CURRENT BUSINESS 78 (August 1998): 30.

2. The NIPA measure is the difference between income and outlays; the FRB measure is the net increase in financial and tangible assets less the net increase in liabilities. The two measures are conceptually equivalent because every dollar of income not used for consumer outlays must be used to increase holdings of some financial or tangible asset or to reduce financial liabilities. In the FRB's flow of funds accounts, the featured measure of personal saving defines both residential structures and consumer durables as tangible assets and includes the credits and insurance and pension funds for government employees. The alternative measure shown in chart 1 is definitionally consistent with the NIPA measure; it excludes consumer durables and government-employee insurance and pensions, which are included in NIPA government saving. For additional information on the FRB measures, see *Guide to the Flow of Funds Accounts* (Washington, DC: Board of Governors of the Federal Reserve System, 1993).

3. Estimates of national saving and gross national product for the fourth quarter of 1998 (and for the year 1998) are scheduled to be released on March 31, 1999.

NOTE.—This note was prepared by Daniel Larkins.



table 5.3) increased at an annual average rate of 8.5 percent; net of consumption of fixed capital, the growth was even stronger, at 20.2 percent.

The NIPA's focus on the production of goods and services in the U.S. economy and on the income arising from that production. Changes in the value of existing assets play a role in that production, but these changes fall outside the scope of the NIPA's. Thus, gross domestic product, the featured NIPA measure of production, does not include income from the sales of existing assets—such as stocks or houses—or the capital gains and losses on those assets. Likewise, NIPA measures of income and saving do not include income from the sale of existing assets or changes in wealth that are associated with the revaluation of existing assets.

The NIPA's provide a consistent set of double-entry accounts in which output, income, and expenditures

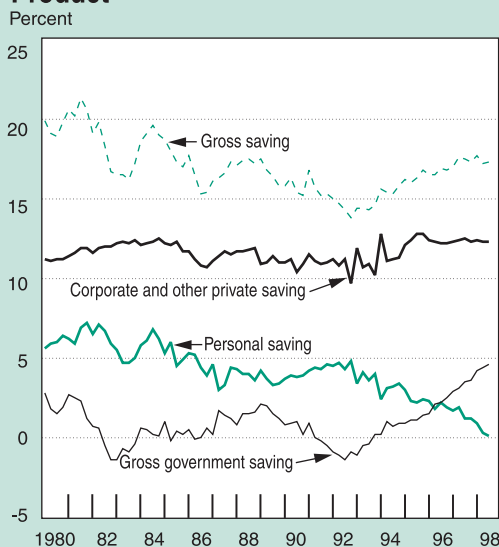
are equal and in which saving and investment are equal for the economy as a whole in each accounting period. These identities are central components of an analytical framework that facilitates the analysis of economic fluctuations and growth. For analyses of economic subjects that are affected by other influences, such as household spending being influenced by capital gains, additional information is useful. Nonetheless, the low NIPA personal saving rate is of analytical value in itself in that a low saving rate suggests a rate of spending that might not be sustained in the longer run.

The NIPA definitions of income and saving are not the only reasonable definitions, and they are not necessarily the best concepts to use in all circumstances. For instance, the NIPA measures of personal income and saving may be supplemented with information on various types of household wealth in order to obtain a broader measure of household ability to spend. These broader measures can provide useful additional information about the economy in general and about consumer spending in particular.

In fact, the NIPA's themselves provide information that can be used to construct alternative or supplementary measures of saving. For example, a measure of personal saving that treats purchases of consumer durables as a form of household saving can be compiled from data on stocks of these assets that are included in BEA's tangible wealth estimates. In addition, the NIPA treatment of private and government pensions has important implications for the income and saving estimates and for the interpretation of these estimates. As previously noted, the FRB measure of saving treats both private and government-employee pension plans symmetrically.<sup>5</sup> BEA will be investigating a number of supplementary saving measures in the coming months.

CHART 2

Saving as Percentage of Gross National Product



U.S. Department of Commerce, Bureau of Economic Analysis

5. Data on employer contributions to private and government pension plans can be found in NIPA table 8.15. Benefit payments by these plans can be found in NIPA tables 6.11C (private) and 3.12 (government). Investment income of private plans, excluding capital gains and losses, is included in the line for imputed interest paid by life insurance carriers and private noninsured pension plans in NIPA table 8.18.

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Another measure of the personal saving rate, the Federal Reserve Board (FRB) measure of household saving as a percentage of NIPA disposable personal income, is also shown in chart 1. This rate is conceptually equivalent to the NIPA rate, but because it is based on different source data, the estimated values of the two rates usually differ.<sup>2</sup> Nevertheless, whether saving is calculated in terms of flows (as in the NIPA's) or in terms of net change in assets (as in the FRB measure), it shows a clear downtrend. Moreover, in 1997 (the latest year for which the FRB measure is available), the FRB's rate was 1.5 percent, close to the NIPA rate of 2.1 percent, and the lowest rate since the beginning of the series in 1946.

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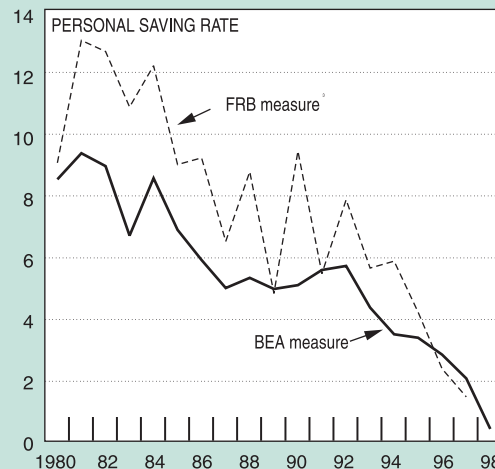
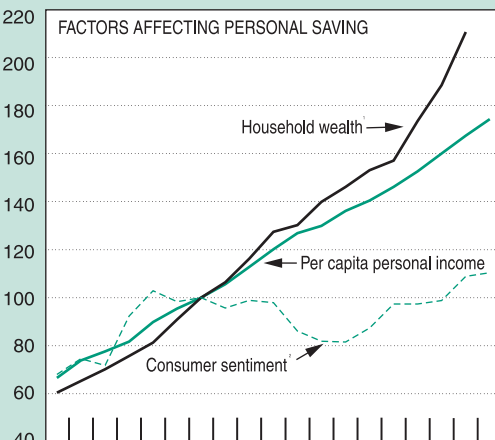
Gross saving combined with net foreign investment, which reflects the acquisition of U.S. assets by foreign residents, has been adequate to finance high levels of investment in recent years. From 1991 to 1997, real gross private domestic investment (shown in NIPA

4. A version of this chart is published monthly in the SURVEY (see page D-45 in this issue).

### CHART 1

#### Perspectives on Personal Saving

1986=100



NOTE.—In the top panel, all series converted to indexes, 1986=100, by BEA

1. Net worth of households and nonprofit organizations. Data: Federal Reserve Board.

2. Data: University of Michigan, Survey Research Center.

3. Personal Saving (NIPA concept, "Flow of Funds" data). Data: Federal Reserve Board

U.S. Department of Commerce, Bureau of Economic Analysis

1. The personal saving rate was discussed in connection with the redefinition of dividend income in last year's annual revision in the box "Recent Trends in the NIPA Personal Saving Rate," in Eugene P. Seskin, "Annual Revision of the National Income and Product Accounts: Annual Estimates, 1995-97 and Quarterly Estimates, 1995:1-1998:1," SURVEY OF CURRENT BUSINESS 78 (August 1998): 30.

2. The NIPA measure is the difference between income and outlays; the FRB measure is the net increase in financial and tangible assets less the net increase in liabilities. The two measures are conceptually equivalent because every dollar of income not used for consumer outlays must be used to increase holdings of some financial or tangible asset or to reduce financial liabilities. In the FRB's flow of funds accounts, the featured measure of personal saving defines both residential structures and consumer durables as tangible assets and includes the credits and insurance and pension funds for government employees. The alternative measure shown in chart 1 is definitionally consistent with the NIPA measure; it excludes consumer durables and government-employee insurance and pensions, which are included in NIPA government saving. For additional information on the FRB measures, see *Guide to the Flow of Funds Accounts* (Washington, DC: Board of Governors of the Federal Reserve System, 1993).

3. Estimates of national saving and gross national product for the fourth quarter of 1998 (and for the year 1998) are scheduled to be released on March 31, 1999.

NOTE.—This note was prepared by Daniel Larkins.

table 5.3) increased at an annual average rate of 8.5 percent; net of consumption of fixed capital, the growth was even stronger, at 20.2 percent.

The NIPA's focus on the production of goods and services in the U.S. economy and on the income arising from that production. Changes in the value of existing assets play a role in that production, but these changes fall outside the scope of the NIPA's. Thus, gross domestic product, the featured NIPA measure of production, does not include income from the sales of existing assets—such as stocks or houses—or the capital gains and losses on those assets. Likewise, NIPA measures of income and saving do not include income from the sale of existing assets or changes in wealth that are associated with the revaluation of existing assets.

The NIPA's provide a consistent set of double-entry accounts in which output, income, and expenditures

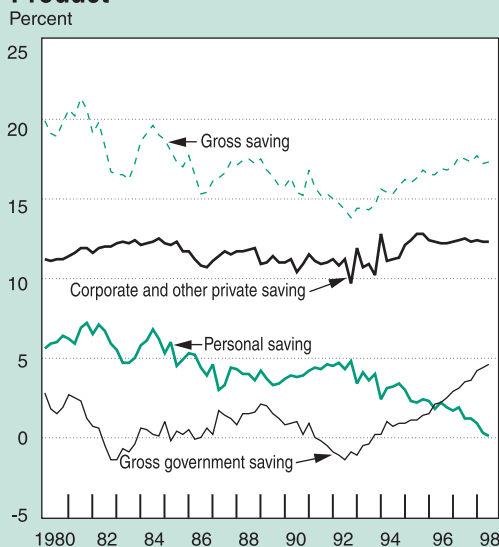
are equal and in which saving and investment are equal for the economy as a whole in each accounting period. These identities are central components of an analytical framework that facilitates the analysis of economic fluctuations and growth. For analyses of economic subjects that are affected by other influences, such as household spending being influenced by capital gains, additional information is useful. Nonetheless, the low NIPA personal saving rate is of analytical value in itself in that a low saving rate suggests a rate of spending that might not be sustained in the longer run.

The NIPA definitions of income and saving are not the only reasonable definitions, and they are not necessarily the best concepts to use in all circumstances. For instance, the NIPA measures of personal income and saving may be supplemented with information on various types of household wealth in order to obtain a broader measure of household ability to spend. These broader measures can provide useful additional information about the economy in general and about consumer spending in particular.

In fact, the NIPA's themselves provide information that can be used to construct alternative or supplementary measures of saving. For example, a measure of personal saving that treats purchases of consumer durables as a form of household saving can be compiled from data on stocks of these assets that are included in BEA's tangible wealth estimates. In addition, the NIPA treatment of private and government pensions has important implications for the income and saving estimates and for the interpretation of these estimates. As previously noted, the FRB measure of saving treats both private and government-employee pension plans symmetrically.<sup>5</sup> BEA will be investigating a number of supplementary saving measures in the coming months.

CHART 2

Saving as Percentage of Gross National Product



U.S. Department of Commerce, Bureau of Economic Analysis

5. Data on employer contributions to private and government pension plans can be found in NIPA table 8.15. Benefit payments by these plans can be found in NIPA tables 6.11C (private) and 3.12 (government). Investment income of private plans, excluding capital gains and losses, is included in the line for imputed interest paid by life insurance carriers and private noninsured pension plans in NIPA table 8.18.

## Upcoming Changes in the Classification of Current and Capital Transactions in the U.S. International Accounts

BEGINNING WITH THE release of the U.S. international transactions accounts in June, the treatment of current-account and capital-account transactions in the U.S. accounts will be modified to bring them into closer alignment with international guidelines. The Bureau of Economic Analysis (BEA) is among those agencies in the United States and in other countries that have been both a strong supporter of, and a major contributor to, the development of the international guidelines recommended in the fifth edition of the International Monetary Fund's *Balance of Payments Manual*.<sup>1</sup> Many important changes in the international guidelines are patterned after the innovations and changes undertaken by BEA in the U.S. international transactions and direct investment accounts in recent years. BEA has already adopted many of the most important changes included in the *Manual*, and with this reclassification of certain current-account transactions, it is moving forward to eliminate one of the few remaining differences between the guidelines and the U.S. international accounts.

In the June revision of the U.S. international accounts, U.S. international transactions will be classified into three groups—the current account, the capital account, and the financial account; the transactions are presently classified into the current account and the capital account. The current account will be redefined by removing a small part of the present measure of unilateral transfers and including it in the new capital account.<sup>2</sup> The present capital account transactions will become the new financial account. Both the new and the present versions of the U.S. international transactions accounts are presented in [table 1](#).

The newly defined capital account consists of capital transfers and the acquisition and disposal of nonproduced nonfinancial assets. The major types of capital transfers are debt forgiveness and migrants' transfers (goods and financial assets accompanying migrants as they leave or enter the country). "Other" capital transfers includes the transfer of title to fixed assets and the transfer of funds linked to the sale or acquisition

of fixed assets, gift and inheritance taxes, death duties, uninsured damage to fixed assets, and legacies. The acquisition and disposal of nonproduced nonfinancial assets includes the sales and purchases of nonproduced assets, such as the rights to natural resources, and the sales and purchases of intangible assets, such as patents, copyrights, trademarks, franchises, and leases.

Though conceptually important, capital-account transactions are believed to be generally small in the U.S. accounts, and extensive source data have not been developed. However, they are important to other countries and may occasionally be significant for the U.S. accounts, especially in the case of debt forgiveness and the transfer of major U.S. Government assets. The new capital account will include estimates of U.S. Government debt forgiveness (which will be shown as an outflow) and a limited measure of immigrants' transfers (shown as an inflow).<sup>3</sup> Each of these types of transactions accounts for less than 0.1 percent of net capital outflows or inflows.<sup>4</sup> Estimates of "other" types of capital transfers have not been developed, because of the lack of source data. Capital transactions in nonproduced nonfinancial assets are believed to be small, but only partial information is available.<sup>5</sup> No details of the new capital account will be shown because the estimates are small and incomplete.

Some capital transactions will remain in the current account because they cannot be disentangled from other current-account transactions or because they are conceptually difficult to classify as either current or capital transactions. However, large transactions will be judged on a case-by-case basis and classified as capital transactions if they clearly fit the definition of capital transactions, such as U.S. Government transfers of air bases abroad.

The estimates of net current transfers and net capital transactions for the fourth quarter of 1998 will be posted on the BEA Web site <[www.bea.doc.gov](http://www.bea.doc.gov)> by the end of March 1999, and estimates for the first quarter of 1999 will be posted by the end of June 1999.

*Table 1 follows.* 

1. See John B. McLenaghan, "Standards for the Dissemination of Economic and Financial Statistics," in the October 1996 SURVEY OF CURRENT BUSINESS; Mr. McLenaghan was formerly the Director, Statistics Department, of the International Monetary Fund. See also "How U.S. Economic Statistics Comply With the New IMF Standards" in the October 1996 SURVEY.

2. Generally, capital transfers result in a change in the stock of assets of an economy, while current transfers affect the level of disposable income and influence the consumption of goods and services.

3. Both items were previously included in the current account.

4. BEA will be attempting to improve the coverage of migrants' transfers, but the source data are difficult to develop. However, even if the estimates were to be revised by several multiples of their present levels, they would remain a small item in the U.S. international accounts.

5. Data on purchases and sales of rights to natural resources are being collected by BEA and will be classified in the capital account when significant transactions are reported.

**Table 1.—U.S. International Transactions**

[Millions of dollars, quarters seasonally adjusted]

Line		1995	1996	1997	1998		
					I	II	III
<b>NEW VERSION</b>							
<b>Current account</b>							
1	Exports of goods, services, and income .....	999,491	1,063,971	1,179,380	299,061	292,483	287,751
2	Imports of goods, services, and income .....	-1,080,107	-1,158,309	-1,294,904	-336,316	-339,731	-338,966
3	Current unilateral transfers, net .....	-34,737	-41,099	-39,851	-9,564	-9,530	-10,153
4	<b>Balance on current account (lines 1, 2, and 3) .....</b>	<b>-115,353</b>	<b>-135,437</b>	<b>-155,375</b>	<b>-46,819</b>	<b>-56,778</b>	<b>-61,368</b>
<b>Capital and financial account</b>							
<b>Capital account</b>							
5	Capital account, net .....	99	522	160	84	88	69
<b>Financial account</b>							
6	U.S. assets abroad, net (increase/capital outflows (-)) .....	-327,453	-368,801	-478,502	-45,648	-109,787	-48,052
7	Foreign assets in the United States, net (increase/capital inflows (+)) .....	465,449	563,357	733,441	95,529	164,859	112,862
8	<b>Net capital and financial account flows (lines 5, 6, and 7) .....</b>	<b>138,095</b>	<b>195,078</b>	<b>255,099</b>	<b>49,965</b>	<b>55,160</b>	<b>64,879</b>
9	Allocations of special drawing rights .....						
10	Statistical discrepancy (sum of lines 4, 8, and 9 with sign reversed) .....	-22,742	-59,641	-99,724	-3,146	1,618	-3,511
<b>PRESENT VERSION</b>							
1	Exports of goods, services, and income .....	999,491	1,063,971	1,179,380	299,061	292,483	287,751
2	Imports of goods, services, and income .....	-1,080,107	-1,158,309	-1,294,904	-336,316	-339,731	-338,966
3	Unilateral transfers, net .....	-34,638	-40,577	-39,691	-9,480	-9,442	-10,084
4	<b>Balance on current account (lines 1, 2, and 3) .....</b>	<b>-115,254</b>	<b>-134,915</b>	<b>-155,215</b>	<b>-46,735</b>	<b>-56,690</b>	<b>-61,299</b>
5	U.S. assets abroad, net (increase/capital outflows (-)) .....	-327,453	-368,801	-478,502	-45,648	-109,787	-48,052
6	Foreign assets in the United States, net (increase/capital inflows (+)) .....	465,449	563,357	733,441	95,529	164,859	112,862
7	<b>Net capital flows (lines 5 and 6) .....</b>	<b>137,996</b>	<b>194,556</b>	<b>254,939</b>	<b>49,881</b>	<b>55,072</b>	<b>64,810</b>
8	Allocations of special drawing rights .....						
9	Statistical discrepancy (sum of lines 4, 7, and 8 with sign reversed) .....	-22,742	-59,641	-99,724	-3,146	1,618	-3,511

## U.S. Resource Flows to Developing Countries and Multilateral Organizations, 1993–97

THE BUREAU OF Economic Analysis (BEA) prepares annual estimates of U.S. resource flows to developing countries and multilateral organizations as part of the annual U.S. statistical submission to the Development Assistance Committee (DAC) of the Organisation for Economic Co-operation and Development (OECD). These resource flows consist of grants, loans, and contributions from the U.S. Government and of direct investments, securities, bank credits, and transfers from the U.S. private sector. As shown in table 1, U.S. resource flows are separately estimated, on a net disbursements basis, for two DAC groups of aid recipients: "Part I—Developing Countries" and "Part II—Developing Countries in Transition."<sup>1</sup> Resource flows to multilateral organizations oriented fully or partly to development in these countries are also included.

U.S. resource flows to Part I countries decreased from \$58.2 billion in 1993 to \$47.0 billion in 1995 before surging to \$75.0 billion in 1997. Overall U.S. resource flows to Part I countries approached 1 percent of U.S. gross national product (GNP) (System of National Accounts basis) in 1997. Flows from the private sector accounted for 81–90 percent of annual Part I totals. Direct investment abroad increased from \$20.6 billion in 1993 to \$30.0 billion in 1997; net flows of securities and bank credits decreased from \$23.8 billion in 1993 to \$13.4 billion in 1995 before surging to \$36.4 billion in 1997.

In contrast, official flows decreased significantly in 1993–97. For official development assistance (ODA), bilateral country grants and capital subscriptions to multilateral organizations both decreased, and the amortization of loans by developing countries exceeded the extension of new credits in each year of 1993–97. For other official flows, net totals were small,

1. Known as the "List of Developing Countries and Territories" for many years, the DAC List of Aid Recipients was split into two parts in 1993 in recognition of the new aid requirements for transition economies of Eastern Europe and of the rapid progress of some developing countries with reduced aid needs. Part I countries are the "traditional" developing countries to which aid can be counted as official development assistance. Part II countries are the "more advanced" developing countries of Central and Eastern Europe (Bulgaria, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, and the Slovak Republic) and of the Newly Independent States of the former Soviet Union (Belarus, Russia, and Ukraine). In 1996, the Bahamas, Brunei, Kuwait, Qatar, Singapore, and the United Arab Emirates were reclassified from Part I to Part II's more advanced developing status. In 1997, Bermuda, Cayman Islands, Cyprus, Falkland Islands, Hong Kong, Israel, and Taiwan were reclassified from Part I to Part II status, and Moldova shifted from Part II to Part I status. For the history, structure, and functions of the OECD and the DAC, as well as an enumeration of member countries and the classification of aid recipients, go to the OECD Web site at <[www.oecd.org](http://www.oecd.org)>.

but the conversion of defaulted credits of foreign borrowers under U.S. Government loan guarantee programs into long-term credits under rescheduling agreements was substantial in 1993–97. (For a description of how the flow estimates are organized, see the section on "Classification of Flows.") Two special developments affected official flows in 1995–97: The 1995–96 flows were disrupted by the shutdown of U.S. Government operations related to the budget stalemate late in 1995, which deferred significant resources to early 1996, and the level of total assistance to Part I countries fell as Israel and 12 other countries were reclassified to Part II status in 1996–97.

U.S. resource flows to Part II countries increased sharply from \$3.9 billion in 1993 to \$18.3 billion in 1997, largely reflecting the reclassification of 13 countries from Part I to Part II status in 1996–97.

### Historical Perspective

As shown in table 2, the composition and distribution of U.S. resource flows to Part I countries have changed markedly. Official flows were over 70 percent of total flows in the 1960's, but private flows have been the dominant source of resources in the 1990's, exceeding 90 percent of total flows in 1997. Although its composition changed dramatically, total U.S. resource flows were stable at 0.7 percent of GNP in the 1960's and 1970's, fell to 0.5 percent in the 1980's, and returned to 0.7 percent in the 1990's.

Within official flows, bilateral ODA grants were the primary form of assistance (peaking at \$12.1 billion in 1991), and net ODA flows to multilateral organizations grew through the 1980's but leveled off in the 1990's. Net ODA loans grew in the 1960's and 1970's, slowed in the 1980's, and became negative in the 1990's as the amortization of credits exceeded new lending. After a surge in the 1970's, net other official flows decreased over 40 percent in the 1980's and remained at that level in the 1990's. As the debt burden of developing countries increased in the late 1980's and early 1990's, the United States joined other creditor nations to forgive and reschedule significant amounts of official credits.

Within private flows, direct investment abroad totaled \$9.8 billion in the 1960's and rocketed to \$150.8 billion in 1990–97. Similarly, net securities and bank credits were a cumulative \$5.3 billion in the 1960's and soared to a cumulative \$98.3 billion in 1990–97; the growth slowed in the 1980's, when inflows to the United States from Part I countries exceeded outflows for several years, but surged in the 1990's and reached a record \$36.4 billion in 1997. Net grants by

NOTE.—This report was prepared by William McCormick.

**Table 1.—U.S. Resource Flows to Developing Countries and Multilateral Organizations, 1993–97**

[Millions of dollars]

(outflows +; inflows -)	1993	1994	1995	1996	1997
<b>Flows to Part I—Developing countries<sup>1</sup></b> .....	<b>58,235</b>	<b>59,738</b>	<b>46,984</b>	<b>55,730</b>	<b>74,991</b>
<b>Official development assistance (ODA), net</b> .....	<b>10,123</b>	<b>9,927</b>	<b>7,367</b>	<b>9,377</b>	<b>6,878</b>
Bilateral grants, net .....	8,496	8,301	6,387	7,672	5,633
Program aid .....	2,101	2,311	1,422	3,244	1,030
Technical cooperation .....	3,310	2,796	2,614	2,787	2,741
Food aid .....	1,095	1,187	771	420	718
Emergency and distress relief .....	669	1,132	789	585	340
Debt forgiveness (principal and interest) .....	667	226	128	.....	175
Other <sup>2</sup> .....	654	649	663	636	629
Bilateral loans, net .....	-1,179	-1,017	-773	-755	-694
Food aid loans, amounts extended .....	293	146	109	152	153
Other loans, amounts extended .....	22	27	10	9	7
ODA rescheduling, amounts extended <sup>3</sup> .....	694	53	.....	.....	271
Amounts received and offsetting entries <sup>4</sup> .....	-2,188	-1,243	-892	-916	-1,125
Multilateral grants, capital subscriptions, and lending, net .....	2,806	2,643	1,753	2,460	1,939
Grants to UN agencies .....	749	852	718	732	739
Food aid through UN .....	302	283	258	178	253
Grants to other international organizations .....	227	208	196	266	264
Capital subscriptions (issuances) .....	1,541	1,312	594	1,300	700
Concessional lending to multilateral agencies, net .....	-13	-12	-13	-16	-17
<b>Other official flows (OOF), net</b> .....	<b>140</b>	<b>867</b>	<b>1,473</b>	<b>1,118</b>	<b>287</b>
Export-related transactions, amounts extended .....	450	715	612	922	1,265
Investment-related and other transactions, amounts extended .....	518	553	595	636	672
OOF rescheduling, amounts extended <sup>5</sup> .....	1,760	1,261	2,156	1,590	975
Amounts received and offsetting entries <sup>4</sup> .....	-2,588	-1,662	-1,890	-2,030	-2,625
<b>Private flows at market terms, net</b> .....	<b>45,405</b>	<b>46,330</b>	<b>35,642</b>	<b>42,726</b>	<b>65,308</b>
Direct investment abroad, net .....	20,562	21,407	23,228	23,308	29,962
Securities and bank credits, net .....	23,817	19,838	13,404	19,472	36,417
Private export credits under guarantee programs, net .....	-621	4,479	-780	943	2,697
Multilateral securities, net .....	1,647	606	-210	-997	-3,768
<b>Grants by nongovernmental organizations, net</b> .....	<b>2,567</b>	<b>2,614</b>	<b>2,502</b>	<b>2,509</b>	<b>2,518</b>
<b>Flows to Part II—Developing countries in transition<sup>1</sup></b> .....	<b>3,851</b>	<b>2,949</b>	<b>3,289</b>	<b>4,904</b>	<b>18,308</b>
Official aid, net <sup>6</sup> .....	1,647	2,422	1,280	1,694	2,516
Other official flows, net .....	1,071	87	-8	-24	5
Private flows at market terms, net .....	825	146	1,720	2,939	14,740
Grants by nongovernmental organizations, net .....	308	294	297	295	1,047
<b>Addenda:</b>					
U.S. GNP at current prices <sup>7</sup> .....	6,372,300	6,744,400	7,070,400	7,446,500	7,853,100
ODA as a percentage of GNP (percent) .....	.16	.15	.10	.13	.09
Total flows to Part I countries as a percentage of GNP (percent) .....	.91	.89	.66	.75	.95

1. Flows are net disbursements to Part I and Part II developing countries (includes development-oriented multilateral organizations) on the list of aid recipients as designated by the Development Assistance Committee of the Organization for Economic Co-operation and Development.

2. Includes primarily administrative costs of agencies dedicated to foreign assistance.

3. Includes new loans to retire outstanding credits and capitalize interest.

4. Includes credit repayments, retirement of existing loans with proceeds from rescheduling, and offsetting entries related to debt forgiveness (principal only).

5. Includes new loans to retire outstanding credits, capitalize interest, and convert defaulted credits of foreign borrowers under U.S. Government loan guarantee programs into long-term credits.

6. Official flows to Part II countries that have the same concessional and qualitative features as ODA are designated official aid. Only flows to Part I countries are eligible to be recorded as ODA.

7. GNP entries are standardized System of National Accounts data.

NOTE.—In 1996, the Bahamas, Brunei, Kuwait, Qatar, Singapore, and the United Arab Emirates were reclassified from Part I to Part II status. In 1997, Bermuda, Cayman Islands, Cyprus, Falkland Islands, Hong Kong, Israel, and Taiwan were reclassified from Part I to Part II status, and Moldova shifted from Part II to Part I status.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, from information made available by operating agencies.

GNP Gross national product

nongovernmental organizations grew steadily from the 1960's through the 1980's but slowed in the 1990's.

The destination of U.S. resource flows was influenced by major foreign policy initiatives and worldwide economic developments. ODA flows went primarily to Asia in the 1960's and 1970's as part of the U.S. support of that area. During the 1980's and into the 1990's, implementation of the Sinai Accords made Israel and Egypt the top recipients of ODA resources. ODA flows to the Americas relative to overall ODA flows decreased in the 1970's, but they rebounded in the 1980's and 1990's with new U.S. initiatives to developing countries of the Western Hemisphere. For private flows, the Americas were the largest recipients; however, the share to Asia increased strongly over the past 30 years.

**Table 2.—U.S. Resource Flows to Part I Developing Countries and Multilateral Organizations, Select Aggregates and Distributions, 1960–97**

	1960–69	1970–79	1980–89	1990–97
	Millions of dollars			
<b>Total resource flows, net</b> .....	<b>51,298</b>	<b>108,738</b>	<b>189,762</b>	<b>361,021</b>
Official development assistance, net .....	34,637	40,103	83,814	78,038
Bilateral grants, net .....	22,234	17,337	54,554	65,758
Bilateral loans, net .....	8,502	12,070	7,540	-8,065
Multilateral grants, subscriptions, and lending, net .....	3,902	10,697	21,720	20,345
Other official flows, net .....	1,590	6,696	3,904	3,964
Private flows at market terms, net .....	15,070	54,040	86,143	258,320
Direct investment abroad, net .....	9,811	32,864	45,385	150,783
Securities and bank credits, net .....	5,259	18,806	31,174	98,259
Grants by nongovernmental organizations, net .....	n.a.	7,899	15,901	20,698
	Percent			
<b>Distribution:</b>				
Official development assistance, net .....	68	37	44	22
Bilateral grants, net .....	43	16	29	18
Bilateral loans, net .....	17	11	4	-2
Multilateral grants, subscriptions, and lending, net .....	8	10	11	6
Other official flows, net .....	3	6	2	1
Private flows at market terms, net .....	29	50	45	72
Direct investment abroad, net .....	19	30	24	42
Securities and bank credits, net .....	10	17	16	27
Grants by nongovernmental organizations, net .....	n.a.	7	8	6
<b>Percent of GNP at current prices:<sup>1</sup></b>				
Total resource flows, net .....	.7	.7	.5	.7
Official flows, net <sup>2</sup> .....	.5	.3	.2	.2
Private flows, net <sup>3</sup> .....	.2	.4	.3	.5
<b>Geographic distribution:</b>				
Official development assistance, net bilateral:				
Europe .....	7	2	2	1
Africa .....	12	17	32	36
America .....	18	11	16	16
Asia .....	59	56	33	28
Oceania .....	1	3	3	2
Unspecified <sup>4</sup> .....	3	12	15	15
Private flows at market terms, net bilateral:				
Europe .....	n.a.	7	4	1
Africa .....	n.a.	6	6	3
America .....	n.a.	73	67	58
Asia .....	n.a.	14	23	39
Oceania .....	n.a.	.....	(*)	(*)
Unspecified .....	n.a.	.....	.....	.....

\* Less than 0.5 percent.

n.a. Not available.

1. Percentages based on cumulative totals for both GNP and select aggregates.

2. Includes both official development assistance and other official flows.

3. Includes both private flows at market terms and grants by nongovernmental organizations.

4. Includes multi-regional disbursements and administrative costs of agencies dedicated to foreign assistance.

NOTE.—Flows are on a net disbursements basis. Part I countries are the "traditional" developing countries on the Development Assistance Committee List of Aid Recipients to which aid can be counted as official development assistance.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, from information made available by operating agencies.

GNP Gross national product

## Background

The OECD, which consists of 29 countries with advanced market economies, aims to promote policies among members to achieve the highest sustainable economic growth and employment, to contribute to economic and social welfare, to coordinate efforts in favor of developing countries, and to expand multi-lateral, nondiscriminatory trade. Within the OECD, the DAC is the specialized committee that addresses economic and social issues of developing countries by providing a forum for member countries to coordinate assistance policies and monitor resource flows in order to enhance efforts for sustainable development. As part of this mission, the DAC collects and publishes statistics on resource flows from members to developing countries.<sup>2</sup>

Through an agreement with the U.S. Agency for International Development (the U.S. representative to the DAC), BEA has compiled data on U.S. resource flows to developing countries and multilateral organizations for the DAC since the 1960's. BEA's compilations follow DAC reporting conventions at aggregate and bilateral levels. Tables 1 and 2 of this report are adaptations of the main data elements submitted to the DAC.

### DAC Reporting Directives

DAC reporting directives follow closely most of the balance of payments accounting guidelines outlined in the International Monetary Fund's *Balance of Payments Manual, 5th Edition*. Accordingly, most of the concepts used in BEA's data submissions to the DAC are similar to those in the U.S. balance of payments accounts, but DAC reporting directives require special treatment in some situations.<sup>3</sup> Examples of special treatment follow:

- Capital subscriptions to international and regional banks are reported on an issuance basis (when lines of credit are established) and not on an encashment basis (when drawdowns are made on the lines of credit).

2. Aid statistics for DAC members are available in two annual publications, *Development Co-operation Report: Efforts and Policies of the Members of the Development Assistance Committee* (Paris: OECD Publications, 1999) and *Geographical Distribution of Financial Flows to Aid Recipients* (Paris: OECD Publications, 1999).

3. Estimates are based on details used to estimate the following lines in table 1 of the U.S. international accounts published in the January, April, July, and October issues of the SURVEY OF CURRENT BUSINESS:

- Line 14, U.S. Government income receipts
- Line 30, U.S. Government grants
- Line 31, U.S. Government pensions and other transfers
- Line 32, Private remittances and other transfers
- Line 40, U.S. credits and other long-term assets
- Line 41, Repayments on U.S. credits and other long-term assets
- Line 42, U.S. foreign currency holdings and U.S. short-term assets, net
- Line 44, Direct investment, U.S. private assets abroad, net
- Line 45, Foreign securities, U.S. private assets abroad, net
- Line 47, U.S. claims reported by U.S. banks, not included elsewhere

- Military assistance is not included except when the military agency is the executive agent for development or humanitarian efforts (including in-country narcotics support, threat reduction and demobilization, and post-conflict peacebuilding operations).
- Only long-term credits (repayment terms that exceed 1 year) are included.
- Annuity/pension transfers and personal remittances are not included.
- Only direct investment and private unilateral transfers to developing countries are included; comparable flows to DAC member countries from developing countries are not included.
- Certain transactions are included that do not enter the balance of payments accounts (for example, refugee costs for the first year within the donor country).
- Banking flows through 13 select developing countries are not included, because the financial intermediation performed by these countries primarily facilitates financial flows to developed countries rather than to developing countries.<sup>4</sup>

### Classification of Flows

U.S. resource flows originate from either the public sector ("official flows") or the private sector. Flows from the public sector are divided into two categories: Official development assistance (ODA) and other official flows. For flows to be classified as ODA, they must be official in nature (originate from Federal, State, and local agencies); have a development or welfare motive (the main objective promotes economic and social development in the aid recipient); be concessional in character; and be directed to Part I countries or development-oriented multilateral organizations. Bilateral ODA grants are classified into the following categories: Program aid ("cash" or "in-kind" transfers for budget or balance of payments support, financing of capital goods and commodities, and wide-ranging development plans in a defined sector in which the recipient country concurrently executes its own development plans in the same sector); technical cooperation (transfers that increase the stock of human intellectual capital and its use); food aid (including freight donations); emergency and distress relief (including aid to refugees and for migration); debt forgiveness (principal and interest for qualifying official credits); and other (primarily administrative costs of agencies dedicated to foreign assistance). Bilateral ODA grants are dominated by disbursements from the U.S. Agency for International Development, but many other agencies participate in the delivery of U.S. assistance abroad.

4. The 13 countries are Aruba, the Bahamas, Bahrain, Bermuda, Cayman Islands, Hong Kong, Lebanon, Liberia, Netherlands Antilles, Panama, Singapore, Vanuatu, and the Virgin Islands (UK).



Bilateral loans from the U.S. Government may also be classified as ODA if they have a development motive and a “grant element” of 25 percent or more—a DAC concept of concessionality for financial instruments that is measured as the difference between the face value of the loan and the present value of associated service payments over the lifetime of the loan (calculated at a 10-percent discount rate), with the difference expressed as a percentage of the face value. These ODA loans are primarily food aid credits extended under the Title I program of Public Law 480, but they also include significant credits extended to replace qualifying official loans under rescheduling agreements and the capitalization of related interest. Offsetting entries consist of ODA loan repayments from recipient countries, liquidation of existing loan balances with new credits from rescheduling agreements, and entries for loan forgiveness.

Both voluntary and assessed contributions to multilateral organizations with a development orientation, as well as capital subscriptions and lending to international and regional development banks, may be classified as multilateral ODA. Commodity donations

through both the World Food Program and the International Emergency Food Reserve of the United Nations are also classified as multilateral ODA.

Official resource flows that do not qualify as ODA are designated other official flows (OOF). These flows primarily consist of credits extended by the Export-Import Bank and the Commodity Credit Corporation in support of U.S. exports, but they also include credits extended by the Overseas Private Insurance Corporation and other U.S. Government agencies, the rescheduling of OOF loans, the capitalization of related interest, and the conversion of subrogated assets into long-term credit instruments. Offsetting entries include principal repayments on OOF loans and the retirement of outstanding loans under rescheduling agreements.

Private flows include U.S. direct investment abroad, securities transactions, banking transactions, and export credits of private banks participating in guarantee programs of the U.S. Government.

Grants by nongovernmental organizations include institutional remittances and private contributions to

UNICEF. 

# Personal Income by State and Region, Third Quarter 1998

By Duke Tran

The quarterly estimates of State personal income are prepared by the Regional Economic Measurement Division.

**I**N THE third quarter of 1998, U.S. personal income increased \$78.9 billion, or 1.1 percent (table A).<sup>1</sup> By region, the Southeast (22.1 percent) and the Far West (21.0 percent) accounted for the largest shares of the increase in U.S. personal income (chart 1). These increases were largely ac-

1. This estimate of U.S. personal income—the sum of the estimates of State personal income for each State—differs slightly from the estimate of personal income in the national income and product accounts (NIPA's) because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. For a detailed description of the differences, see the box "Relation of Personal Income in the National Income and Product Accounts (NIPA's) and in the State Personal Income Series" in Wallace K. Bailey, "State Personal Income, Revised Estimates for 1982–97," SURVEY OF CURRENT BUSINESS 78 (October 1998): 21.

## Upcoming Comprehensive Revisions of State and Local Area Personal Income

In the spring of 2000, BEA will release the results of comprehensive revisions of State personal income and of local area personal income.<sup>1</sup> These revisions will incorporate the results of the upcoming comprehensive revision of the national income and product accounts (NIPA's) that will be released in the fall of 1999.<sup>2</sup> This schedule will accelerate the availability of State and local area estimates of personal income that are consistent with the national estimates: For the State estimates, nearly half a year sooner than for previous comprehensive revisions, and for the local area estimates, about a year sooner.

To accomplish this speedup in timing, the annual revision of State personal income that would normally be scheduled for this September will instead be combined with the upcoming comprehensive revision. The regular release of the preliminary annual State estimates for 1998 will be on April 27, 1999; in July, there will be a limited revision to those estimates that will incorporate the fourth quarter 1998 tabulations by the Bureau of Labor Statistics of data on employment and wages for workers covered by State unemployment insurance.

The regular release of the local area estimates, which will cover 1995–97, will be on May 6, 1999.

1. Comprehensive revisions, which are usually prepared about every 5 years, provide the opportunity for BEA to introduce major improvements into its economic accounts.

2. For information on the comprehensive revision of the NIPA's, including a list of several major improvements that are being considered and a call for comments by data users, see the box "Upcoming Comprehensive Revision of the National Income and Product Accounts" on page 7.

counted for by Florida, Virginia, North Carolina, and Georgia in the Southeast and by California in the Far West.

By type of income, most of the increase in U.S. personal income was accounted for by a \$62.1 billion increase in net earnings.<sup>2</sup> Dividends, interest, and rent increased \$9.7 billion, and transfer payments increased \$7.2 billion.<sup>3</sup>

U.S. earnings by place of work increased \$66.5 billion (table B). Earnings increased in all the industries except farms and manufacturing; the

2. Net earnings is calculated as earnings by place of work less personal contributions for social insurance plus an adjustment that converts these earnings to a place-of-residence basis. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income.

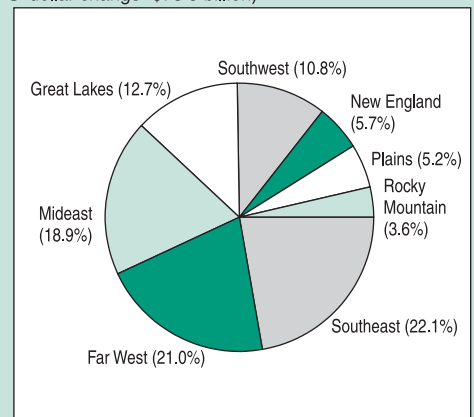
Net earnings is used to analyze changes in the composition of personal income; earnings by place of work is used to analyze changes in the industrial structure of earnings. Net earnings by industry is not available, because the source data used to adjust earnings to a place-of-residence basis are not available by industry and because personal contributions for social insurance are not estimated by industry. For the definitions of the components of earnings, see U.S. Department of Commerce, Bureau of Economic Analysis, *State Personal Income, 1929–93* (Washington, DC: U.S. Government Printing Office, 1995), or go to BEA's Web site at <[www.bea.doc.gov/bea/mp.htm](http://www.bea.doc.gov/bea/mp.htm)>, and look under Regional programs for State Personal Income, 1929–93.

3. Dollar changes are expressed at seasonally adjusted annual rates.

## CHART 1

### Regional Shares of the U.S. Dollar Change in Personal Income, 1998:II–1998:III

(U.S. dollar change=\$78.9 billion)



U.S. Department of Commerce, Bureau of Economic Analysis

largest increases were in services (\$32.5 billion) and in finance, insurance, and real estate (\$7.6 billion). The decline in earnings in farms reflected declines in farm proprietors' income; the decline in manufacturing earnings partly reflected the effects of a strike in the motor vehicle industry in the second and third quarters of 1998.

Table 1 at the end of this article presents the quarterly estimates of personal income for each State and region, beginning with the first quarter of 1996. Table 2 presents the quarterly estimates of personal income by major source and of earnings by industry, beginning with the first quarter of 1996.

**Growth rates by type of income, by industry, and by region**

The growth in personal income of 1.1 percent in the third quarter was the same rate as that in the second.<sup>4</sup> By type of income, growth rates were also unchanged in the third quarter: 1.3 percent in net earnings; 0.8 percent in dividends, interest, and rent; and 0.6 percent in transfer payments.

4. In this article, percent changes are expressed at quarterly rates.

By industry, growth in earnings by place of work was unchanged in manufacturing. The growth rate accelerated in construction, in transportation and public utilities, in services, and in government, and it decelerated in farms, in trade, and in finance, insurance, and real estate.

By region, personal income growth accelerated in the Far West, Rocky Mountain, Great Lakes, and Southwest regions; in these regions, growth in net earnings contributed the most to the growth in both the second and third quarters. Personal income growth decelerated in the Southeast, New England, Mideast, and Plains regions.

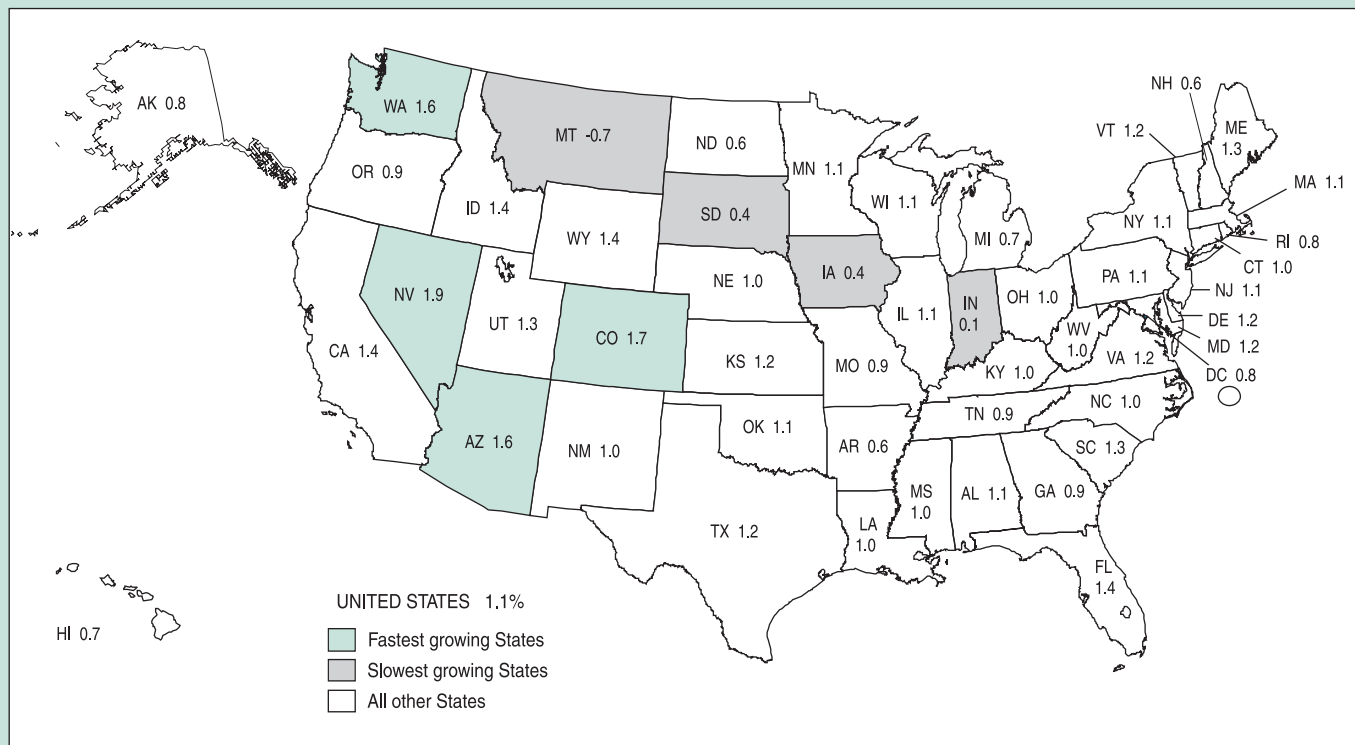
**Growth rates by State**

In the third quarter, the growth rates in personal income in 48 States and the District of Columbia exceeded the 0.3-percent increase in the prices paid by U.S. consumers (as measured by the price index for personal consumption expenditures). Personal income declined in Montana, and it grew only 0.1 percent in Indiana.

The States with the fastest rates of growth in personal income were Nevada (1.9 percent),

**CHART 2**

**Personal Income: Percent Change, 1998:II-1998:III**



Colorado (1.7 percent), Washington (1.6 percent), and Arizona (1.6 percent) (chart 2). By type of income, net earnings accounted for most of the personal income growth in all these States (table A). By industry, earnings in services was the major contributor to growth in earnings by place of work in all these States (tables C and D). In Nevada, earnings in construction and government also contributed substantially; the rapid growth in construction earnings reflected the construction of hotels and casinos. In Colorado, earnings in retail trade and in transportation and public utilities also contributed substantially. In Washington and Arizona, earnings in manufacturing also contributed substantially.

The States with the slowest rates of growth in personal income were Montana (-0.7 percent), Indiana (0.1 percent), South Dakota (0.4 percent), and Iowa (0.4 percent). The decline in Montana and the slow growth in Indiana reflected declines in net earnings; the slow growth in South Dakota and Iowa reflected small increases in net earnings. By industry, in Montana and Indiana, declines in earnings by place of work mainly reflected declines in manufacturing earn-

ings. In Montana, the decline in manufacturing earnings reflected an unusually high level in the second quarter, when large lump-sum payments were made to employees in the primary metal industries to settle a lawsuit; in Indiana, the decline in manufacturing earnings mainly reflected the effects of a strike in the motor vehicle industry in the second and third quarters of 1998. In Montana, declines in earnings in transportation and public utilities and in government also contributed to the decline in earnings by place of work; in Indiana, declines in earnings in farms, in construction, in transportation and public utilities, and in government also contributed to the decline. In South Dakota and Iowa, slow growth in earnings by place of work mainly reflected declines in earnings in farms as a result of declines in cash receipts from crops. In South Dakota, declines in earnings in construction, in wholesale trade, in finance, insurance, and real estate, and in government also contributed to slow growth in earnings by place of work; in Iowa, a decline in manufacturing earnings also contributed to the slow growth.


Tables A to D and 1 and 2 follow. 

Table A.—Personal Income by Component, 1998:II-1998:III

[Seasonally adjusted]

	Percent change <sup>1</sup>				Percent change in personal income <sup>1</sup>	Contribution to percent change in personal income (percentage points)			Dollar change (millions) <sup>3</sup>			
	Personal income	Net earnings <sup>2</sup>	Dividends, interest, and rent	Transfer payments		Net earnings <sup>2</sup>	Dividends, interest, and rent	Transfer payments	Personal income	Net earnings <sup>2</sup>	Dividends, interest, and rent	Transfer payments
<b>United States</b> .....	<b>1.1</b>	<b>1.3</b>	<b>0.8</b>	<b>0.6</b>	<b>1.1</b>	<b>0.9</b>	<b>0.1</b>	<b>0.1</b>	<b>78,893</b>	<b>62,064</b>	<b>9,665</b>	<b>7,164</b>
<b>New England</b> .....	<b>1.1</b>	<b>1.2</b>	<b>.8</b>	<b>.5</b>	<b>1.1</b>	<b>.8</b>	<b>.1</b>	<b>.1</b>	<b>4,489</b>	<b>3,525</b>	<b>624</b>	<b>339</b>
Connecticut .....	1.0	1.2	.8	.6	1.0	.8	.1	.1	1,243	975	178	90
Maine .....	1.3	1.8	.6	.5	1.3	1.1	.1	.1	376	315	31	30
Massachusetts .....	1.1	1.3	.9	.5	1.1	.9	.2	.1	2,266	1,791	317	157
New Hampshire .....	.6	.6	.8	.6	.6	.4	.1	.1	219	146	48	25
Rhode Island .....	.8	1.0	.6	.5	.8	.6	.1	.1	213	163	25	25
Vermont .....	1.2	1.5	.9	.5	1.2	1.0	.2	.1	172	135	24	12
<b>Mideast</b> .....	<b>1.1</b>	<b>1.4</b>	<b>.6</b>	<b>.5</b>	<b>1.1</b>	<b>.9</b>	<b>.1</b>	<b>.1</b>	<b>14,936</b>	<b>12,172</b>	<b>1,503</b>	<b>1,261</b>
Delaware .....	1.2	1.4	.8	.8	1.2	1.0	.1	.1	269	214	30	25
District of Columbia .....	.8	1.0	.4	.4	.8	.7	.1	.1	154	126	12	16
Maryland .....	1.2	1.4	.7	.5	1.2	1.0	.1	.1	1,807	1,508	191	109
New Jersey .....	1.1	1.5	.6	.3	1.1	1.0	.1	0	3,076	2,660	321	95
New York .....	1.1	1.3	.6	.6	1.1	.9	.1	.1	6,220	4,963	604	653
Pennsylvania .....	1.1	1.3	.6	.6	1.1	.8	.1	.1	3,409	2,702	345	363
<b>Great Lakes</b> .....	<b>.9</b>	<b>.9</b>	<b>.8</b>	<b>.9</b>	<b>.9</b>	<b>.6</b>	<b>.1</b>	<b>.1</b>	<b>10,055</b>	<b>6,861</b>	<b>1,543</b>	<b>1,653</b>
Illinois .....	1.1	1.4	.8	.5	1.1	.9	.1	.1	3,932	3,208	507	216
Indiana .....	.1	-3	.8	.9	.1	-2	.1	.1	74	-292	181	186
Michigan .....	.7	.4	.8	1.8	.7	.3	.1	.3	1,719	678	343	698
Ohio .....	1.0	1.1	.7	.9	1.0	.8	.1	.2	2,878	2,121	319	439
Wisconsin .....	1.1	1.3	.9	.6	1.1	.9	.1	.1	1,451	1,146	193	113
<b>Plains</b> .....	<b>.9</b>	<b>1.0</b>	<b>.7</b>	<b>.6</b>	<b>.9</b>	<b>.7</b>	<b>.1</b>	<b>.1</b>	<b>4,116</b>	<b>3,139</b>	<b>578</b>	<b>400</b>
Iowa .....	.4	.3	.5	.5	.4	.2	.1	.1	271	152	66	53
Kansas .....	1.2	1.4	1.0	.5	1.2	1.0	.2	.1	797	638	112	47
Minnesota .....	1.1	1.2	.7	.5	1.1	.9	.1	.1	1,374	1,130	152	92
Missouri .....	.9	1.0	.7	.6	.9	.6	.1	.1	1,140	835	176	130
Nebraska .....	1.0	1.1	.5	.6	1.0	.8	.1	.1	387	314	35	38
North Dakota .....	.6	.6	.7	.9	.6	.4	.1	.2	85	47	17	22
South Dakota .....	.4	.2	.7	.7	.4	.1	.1	.1	61	23	21	18
<b>Southeast</b> .....	<b>1.1</b>	<b>1.3</b>	<b>.9</b>	<b>.7</b>	<b>1.1</b>	<b>.9</b>	<b>.1</b>	<b>.1</b>	<b>17,428</b>	<b>13,346</b>	<b>2,233</b>	<b>1,849</b>
Alabama .....	1.1	1.2	1.0	.6	1.1	.8	.1	.1	986	750	121	116
Arkansas .....	.6	.5	1.0	.8	.6	.3	.1	.2	312	150	72	90
Florida .....	1.4	2.0	.7	.6	1.4	1.2	.2	.1	5,508	4,424	627	456
Georgia .....	.9	.9	1.1	.7	.9	.6	.2	.1	1,618	1,144	292	182
Kentucky .....	1.0	1.2	.9	.6	1.0	.8	.1	.1	839	637	108	95
Louisiana .....	1.0	1.2	.9	.8	1.0	.8	.1	.2	962	704	113	146
Mississippi .....	1.0	1.2	.9	.7	1.0	.8	.1	.2	530	391	59	81
North Carolina .....	1.0	1.1	1.1	.7	1.0	.8	.2	.1	1,848	1,349	289	210
South Carolina .....	1.3	1.6	1.0	.7	1.3	1.1	.1	.1	1,067	850	112	105
Tennessee .....	.9	.9	1.0	.7	.9	.6	.1	.1	1,141	808	172	160
Virginia .....	1.2	1.5	.8	.6	1.2	1.0	.1	.1	2,279	1,879	236	164
West Virginia .....	1.0	1.3	.6	.5	1.0	.7	.1	.1	336	260	31	44
<b>Southwest</b> .....	<b>1.2</b>	<b>1.4</b>	<b>.9</b>	<b>.6</b>	<b>1.2</b>	<b>1.0</b>	<b>.1</b>	<b>.1</b>	<b>8,497</b>	<b>6,928</b>	<b>908</b>	<b>661</b>
Arizona .....	1.6	2.0	1.1	.5	1.6	1.3	.2	.1	1,696	1,419	195	81
New Mexico .....	1.0	1.1	.9	.7	1.0	.7	.1	.1	337	244	46	47
Oklahoma .....	1.1	1.3	.8	.7	1.1	.8	.1	.1	763	582	83	99
Texas .....	1.2	1.3	.9	.6	1.2	1.0	.1	.1	5,700	4,683	584	432
<b>Rocky Mountain</b> .....	<b>1.3</b>	<b>1.6</b>	<b>1.0</b>	<b>.6</b>	<b>1.3</b>	<b>1.1</b>	<b>.2</b>	<b>.1</b>	<b>2,839</b>	<b>2,302</b>	<b>357</b>	<b>180</b>
Colorado .....	1.7	2.0	1.1	.6	1.7	1.4	.2	.1	1,883	1,594	201	88
Idaho .....	1.4	1.6	1.1	.6	1.4	1.1	.2	.1	347	279	45	23
Montana .....	-7	-1.5	.7	.5	-7	-9	.1	.1	-119	-161	24	18
Utah .....	1.3	1.4	1.2	.7	1.3	1.1	.2	.1	573	466	66	41
Wyoming .....	1.4	1.8	.9	.6	1.4	1.1	.2	.1	154	124	21	10
<b>Far West</b> .....	<b>1.4</b>	<b>1.7</b>	<b>.9</b>	<b>.4</b>	<b>1.4</b>	<b>1.1</b>	<b>.2</b>	<b>.1</b>	<b>16,534</b>	<b>13,792</b>	<b>1,919</b>	<b>822</b>
Alaska .....	.8	1.1	.8	-2	.8	.8	.1	0	130	120	15	-5
California .....	1.4	1.7	.9	.4	1.4	1.1	.2	.1	11,978	10,095	1,349	534
Hawaii .....	.7	.7	.8	.5	.7	.5	.1	.1	220	151	43	26
Nevada .....	1.9	2.3	1.5	.4	1.9	1.6	.3	.1	904	762	118	26
Oregon .....	.9	1.0	1.0	.5	.9	.7	.2	.1	752	544	147	61
Washington .....	1.6	2.0	.9	.8	1.6	1.4	.2	.1	2,548	2,122	247	180

1. Percent changes are expressed at quarterly rates.

2. Net earnings is earnings by place of work, after the deduction of personal contributions for social insurance, plus an adjustment to convert earnings—the sum of wage and salary disbursements (payrolls), other labor income,

and proprietors' income—to a place-of-residence basis.

3. Dollar changes are expressed at annual rates.

NOTE.—Estimates may not add to totals due to rounding.

Table B.—Earnings by Place of Work: Dollar Change by Industry Group, 1998:II-1998:III

(Millions of dollars, seasonally adjusted at annual rates)

	Earnings by place of work <sup>1</sup>	Private goods-producing industries				Private services-producing industries						Government
		Total <sup>2</sup>	Farms	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	
<b>United States</b> .....	<b>66,544</b>	<b>4,696</b>	<b>-1,926</b>	<b>5,879</b>	<b>-202</b>	<b>54,682</b>	<b>2,706</b>	<b>4,549</b>	<b>7,265</b>	<b>7,615</b>	<b>32,547</b>	<b>7,166</b>
<b>New England</b> .....	<b>3,627</b>	<b>31</b>	<b>21</b>	<b>211</b>	<b>-252</b>	<b>3,325</b>	<b>-4</b>	<b>374</b>	<b>369</b>	<b>572</b>	<b>2,014</b>	<b>272</b>
Connecticut .....	919	5	10	40	-59	837	-74	101	92	179	539	79
Maine .....	342	68	2	57	4	238	8	23	42	34	131	36
Massachusetts .....	1,965	-33	9	113	-178	1,819	42	217	156	282	1,122	180
New Hampshire .....	92	-84	1	-7	-84	186	10	29	38	28	81	-7
Rhode Island .....	160	24	-1	5	17	164	14	4	22	40	84	-28
Vermont .....	149	54	0	3	48	84	-3	1	19	9	58	13
<b>Mideast</b> .....	<b>13,166</b>	<b>896</b>	<b>29</b>	<b>928</b>	<b>-173</b>	<b>11,029</b>	<b>482</b>	<b>810</b>	<b>1,234</b>	<b>1,876</b>	<b>6,627</b>	<b>1,242</b>
Delaware .....	251	52	-3	49	3	173	13	6	26	36	92	26
District of Columbia .....	306	-7	0	1	-12	215	-5	1	25	-176	370	97
Maryland .....	1,471	-3	-1	137	-151	1,129	33	35	109	132	820	345
New Jersey .....	2,611	411	5	181	198	2,142	187	232	238	220	1,265	58
New York .....	5,677	298	17	524	-278	5,171	163	398	477	1,393	2,740	208
Pennsylvania .....	2,850	144	10	35	67	2,198	91	136	359	272	1,340	508
<b>Great Lakes</b> .....	<b>7,244</b>	<b>-1,057</b>	<b>-210</b>	<b>191</b>	<b>-1,159</b>	<b>7,351</b>	<b>92</b>	<b>678</b>	<b>1,037</b>	<b>1,029</b>	<b>4,515</b>	<b>951</b>
Illinois .....	3,458	426	-56	73	371	2,714	69	141	220	491	1,793	322
Indiana .....	-415	-992	-43	-79	-887	590	-22	85	143	123	261	-13
Michigan .....	709	-952	6	-48	-938	1,446	2	143	263	56	982	215
Ohio .....	2,301	246	-112	122	209	1,728	14	196	270	209	1,039	327
Wisconsin .....	1,192	219	-5	124	88	873	28	112	141	150	442	100
<b>Plains</b> .....	<b>3,457</b>	<b>74</b>	<b>-559</b>	<b>481</b>	<b>123</b>	<b>3,025</b>	<b>-37</b>	<b>303</b>	<b>622</b>	<b>467</b>	<b>1,670</b>	<b>358</b>
Iowa .....	178	-245	-291	43	-9	394	25	23	60	63	223	29
Kansas .....	696	236	-20	76	167	370	18	40	97	22	193	90
Minnesota .....	1,234	45	-56	80	16	1,032	-115	107	237	193	610	159
Missouri .....	916	44	-77	257	-124	839	-10	111	149	179	410	34
Nebraska .....	353	1	-60	27	24	298	49	22	37	45	145	53
North Dakota .....	52	-10	-10	4	2	65	-10	9	12	13	41	-4
South Dakota .....	29	6	-45	-4	48	26	4	-8	29	-48	49	-3
<b>Southeast</b> .....	<b>14,365</b>	<b>926</b>	<b>-925</b>	<b>1,436</b>	<b>186</b>	<b>11,500</b>	<b>796</b>	<b>799</b>	<b>1,780</b>	<b>1,347</b>	<b>6,778</b>	<b>1,938</b>
Alabama .....	805	170	-52	92	121	506	32	26	105	66	277	129
Arkansas .....	171	-96	-135	44	-12	204	11	24	54	1	114	65
Florida .....	4,757	626	-70	297	332	3,877	226	260	601	356	2,434	255
Georgia .....	1,213	-561	-193	182	-591	1,520	225	128	92	228	847	253
Kentucky .....	733	79	-137	22	173	514	45	58	77	34	300	140
Louisiana .....	751	203	-2	168	60	461	35	58	75	32	261	89
Mississippi .....	408	116	5	126	-19	159	-17	7	39	21	109	134
North Carolina .....	1,476	-47	-307	82	144	1,094	102	64	251	244	433	429
South Carolina .....	921	224	-24	96	140	647	54	75	134	76	308	50
Tennessee .....	847	-34	-3	128	-177	745	13	28	84	78	542	137
Virginia .....	2,006	189	-3	182	-16	1,568	57	65	244	190	1,012	248
West Virginia .....	276	63	-3	21	32	204	14	7	24	19	140	9
<b>Southwest</b> .....	<b>7,406</b>	<b>779</b>	<b>-267</b>	<b>710</b>	<b>189</b>	<b>5,964</b>	<b>699</b>	<b>590</b>	<b>711</b>	<b>658</b>	<b>3,306</b>	<b>663</b>
Arizona .....	1,527	420	-68	182	288	999	76	127	78	138	580	110
New Mexico .....	260	-58	-10	35	-73	294	8	21	63	22	180	25
Oklahoma .....	621	93	-58	32	82	417	59	30	61	28	239	110
Texas .....	4,998	325	-131	463	-108	4,255	556	413	509	469	2,308	418
<b>Rocky Mountain</b> .....	<b>2,447</b>	<b>59</b>	<b>-3</b>	<b>247</b>	<b>-217</b>	<b>2,049</b>	<b>232</b>	<b>142</b>	<b>319</b>	<b>288</b>	<b>1,068</b>	<b>340</b>
Colorado .....	1,701	126	7	185	-71	1,396	216	117	218	199	646	181
Idaho .....	298	32	-9	19	16	217	17	2	23	15	160	49
Montana .....	-184	-259	6	4	-269	76	-15	10	16	10	55	-1
Utah .....	496	111	-1	22	94	301	15	7	48	53	178	83
Wyoming .....	137	52	-6	19	14	60	0	7	13	11	29	27
<b>Far West</b> .....	<b>14,832</b>	<b>2,989</b>	<b>-11</b>	<b>1,674</b>	<b>1,101</b>	<b>10,439</b>	<b>446</b>	<b>854</b>	<b>1,192</b>	<b>1,380</b>	<b>6,567</b>	<b>1,403</b>
Alaska .....	138	36	0	11	1	87	8	3	11	13	52	15
California .....	10,837	2,357	-67	1,402	865	7,595	272	598	827	1,061	4,837	885
Hawaii .....	161	-41	6	-35	-13	127	18	7	10	16	76	73
Nevada .....	829	172	1	165	-4	536	27	25	76	59	349	120
Oregon .....	582	-93	20	-28	-99	596	14	46	66	70	400	80
Washington .....	2,284	556	28	159	351	1,497	108	175	201	160	853	230

1. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income.

2. Also includes mining and agricultural services, forestry, and fishing.  
NOTE.—Estimates may not add to totals because of rounding.

**Table C.—Earnings by Place of Work: Percent Change by Industry Group, 1998:II-1998:III**

[Seasonally adjusted at quarterly rates]

	Earnings by place of work <sup>1</sup>	Private goods-producing industries				Private services-producing industries						Government
		Total <sup>2</sup>	Farms	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	
<b>United States</b> .....	<b>1.3</b>	<b>0.4</b>	<b>-4.8</b>	<b>2.0</b>	<b>0</b>	<b>1.8</b>	<b>0.8</b>	<b>1.4</b>	<b>1.6</b>	<b>1.7</b>	<b>2.2</b>	<b>1.0</b>
<b>New England</b> .....	<b>1.2</b>	<b>0</b>	<b>3.9</b>	<b>1.4</b>	<b>-5</b>	<b>1.7</b>	<b>0</b>	<b>1.9</b>	<b>1.4</b>	<b>1.8</b>	<b>2.1</b>	<b>.8</b>
Connecticut .....	1.1	0	6.7	1.0	-3	1.6	-1.7	1.8	1.4	1.6	2.1	.9
Maine .....	1.8	1.4	3.3	4.4	.1	2.2	.7	2.3	1.9	2.8	2.5	1.2
Massachusetts .....	1.3	-1	5.5	1.6	-7	1.8	.5	2.2	1.3	1.8	2.1	1.1
New Hampshire .....	.4	-1.3	2.4	-5	-1.7	1.4	.8	1.9	1.5	1.8	1.3	-3
Rhode Island .....	1.0	.6	-3.6	.6	.6	1.6	1.6	.5	1.4	3.0	1.5	-1.0
Vermont .....	1.5	1.8	0	.4	2.4	1.6	-5	.2	1.9	1.7	2.1	.9
<b>Mideast</b> .....	<b>1.4</b>	<b>.5</b>	<b>2.0</b>	<b>2.1</b>	<b>-1</b>	<b>1.7</b>	<b>.8</b>	<b>1.4</b>	<b>1.7</b>	<b>1.4</b>	<b>2.2</b>	<b>.9</b>
Delaware .....	1.4	.9	-3.8	4.3	.1	1.9	1.7	.9	1.8	1.5	2.2	1.3
District of Columbia .....	.8	-4	.....	.2	-1.2	1.1	-4	.3	2.9	-7.9	2.4	.7
Maryland .....	1.5	0	-5	2.1	-1.7	1.9	.6	.6	1.2	1.6	2.6	1.7
New Jersey .....	1.5	1.1	2.6	2.2	.7	1.8	1.3	1.4	1.7	1.4	2.3	.2
New York .....	1.3	.4	4.9	3.4	-5	1.8	.7	1.6	1.7	1.6	2.1	.4
Pennsylvania .....	1.3	.2	1.7	.3	.1	1.7	.6	1.1	1.8	1.6	2.0	1.9
<b>Great Lakes</b> .....	<b>.9</b>	<b>-4</b>	<b>-4.8</b>	<b>.4</b>	<b>-5</b>	<b>1.6</b>	<b>.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1.7</b>	<b>2.1</b>	<b>.9</b>
Illinois .....	1.4	.6	-3.6	.5	.8	1.7	.4	.8	1.1	1.9	2.4	1.1
Indiana .....	-4	-2.4	-4.5	-1.1	-2.7	1.2	-4	1.4	1.5	2.0	1.1	-1
Michigan .....	.4	-1.4	1.1	-5	-1.6	1.6	0	1.2	1.6	.6	2.2	.9
Ohio .....	1.1	.4	-8.6	1.1	.4	1.6	.1	1.4	1.4	1.5	2.0	1.3
Wisconsin .....	1.3	.7	-17.2	2.1	.3	1.8	.5	2.0	1.7	2.4	2.0	.8
<b>Plains</b> .....	<b>1.0</b>	<b>.1</b>	<b>-7.4</b>	<b>2.2</b>	<b>.2</b>	<b>1.5</b>	<b>-1</b>	<b>1.2</b>	<b>1.9</b>	<b>1.8</b>	<b>1.9</b>	<b>.8</b>
Iowa .....	.4	-1.5	-12.6	1.4	-1	1.6	.8	.7	1.3	1.7	2.0	.4
Kansas .....	1.5	1.7	-1.7	2.7	1.9	1.5	.5	1.2	2.1	.8	1.8	1.2
Minnesota .....	1.2	.2	-6.2	1.3	.1	1.8	-1.7	1.4	2.6	2.1	2.3	1.3
Missouri .....	.9	.2	-8.1	4.1	-7	1.5	-1	1.7	1.6	2.4	1.6	.3
Nebraska .....	1.2	0	-4.5	1.4	.6	1.7	1.8	1.1	1.3	2.0	1.9	1.1
North Dakota .....	.6	-5	-6.3	.6	.2	1.1	-1.2	1.1	1.2	2.4	1.6	-2
South Dakota .....	.3	.2	-6.5	-5	2.8	.4	.5	-1.1	2.3	-5.9	1.7	-2
<b>Southeast</b> .....	<b>1.3</b>	<b>.3</b>	<b>-8.1</b>	<b>2.1</b>	<b>.1</b>	<b>1.8</b>	<b>1.0</b>	<b>1.2</b>	<b>1.6</b>	<b>1.8</b>	<b>2.3</b>	<b>1.1</b>
Alabama .....	1.2	.9	-5.9	2.2	.9	1.5	.8	.7	1.7	1.7	1.8	1.1
Arkansas .....	.5	-8	-9.6	2.0	-1	1.1	.4	1.3	1.3	.1	1.5	1.2
Florida .....	2.0	1.6	-4.1	2.0	1.6	2.4	1.5	1.7	2.2	1.6	3.0	.7
Georgia .....	.8	-1.6	-10.4	2.2	-2.5	1.7	1.7	1.0	.7	2.1	2.2	1.2
Kentucky .....	1.2	.4	-12.7	.6	1.4	1.7	1.0	1.8	1.3	1.2	2.2	1.5
Louisiana .....	1.2	1.1	-.4	3.1	.7	1.3	.7	1.6	1.2	.9	1.5	.8
Mississippi .....	1.2	1.0	.8	5.4	-3	.9	-7	.4	1.1	1.3	1.4	2.0
North Carolina .....	1.1	-1	-12.7	.9	.5	1.6	1.2	.8	1.9	2.8	1.4	2.0
South Carolina .....	1.6	1.2	-5.9	2.4	1.0	2.3	1.7	2.5	2.1	2.3	2.4	.5
Tennessee .....	.9	-1	-1.0	2.2	-9	1.3	.2	.5	.8	1.2	2.1	1.1
Virginia .....	1.5	.7	-.9	2.3	-1	2.1	.6	.9	2.2	2.0	2.6	.9
West Virginia .....	1.3	1.0	.....	1.5	.9	1.8	.8	.7	1.1	2.0	2.5	.2
<b>Southwest</b> .....	<b>1.4</b>	<b>.5</b>	<b>-6.4</b>	<b>2.1</b>	<b>.2</b>	<b>2.0</b>	<b>1.6</b>	<b>1.7</b>	<b>1.4</b>	<b>1.8</b>	<b>2.4</b>	<b>.9</b>
Arizona .....	2.0	2.3	-11.0	3.2	2.7	2.1	1.7	2.6	.9	2.0	2.6	1.0
New Mexico .....	1.1	-1.2	-3.0	2.0	-3.9	2.3	.6	2.1	2.3	1.8	2.7	.4
Oklahoma .....	1.3	.7	-7.9	1.4	1.1	1.7	1.5	1.3	1.3	1.2	2.1	1.3
Texas .....	1.3	.3	-5.3	1.9	-2	1.9	1.7	1.6	1.5	1.8	2.3	.8
<b>Rocky Mountain</b> .....	<b>1.6</b>	<b>.2</b>	<b>-2</b>	<b>2.0</b>	<b>-1.1</b>	<b>2.2</b>	<b>1.7</b>	<b>1.6</b>	<b>2.0</b>	<b>2.4</b>	<b>2.5</b>	<b>1.4</b>
Colorado .....	2.0	.7	1.1	2.8	-7	2.6	2.7	2.3	2.7	2.8	2.6	1.5
Idaho .....	1.6	.6	-1.3	1.2	.5	2.3	1.4	.2	1.1	1.6	3.7	1.6
Montana .....	-1.5	-9.1	1.6	.4	-23.8	1.1	-1.7	1.6	1.1	1.4	1.7	0
Utah .....	1.4	1.3	-.5	.8	1.9	1.5	.6	.3	1.3	2.0	1.9	1.5
Wyoming .....	1.8	2.1	-5.4	2.9	3.3	1.7	0	2.6	1.7	3.1	2.1	1.6
<b>Far West</b> .....	<b>1.7</b>	<b>1.4</b>	<b>-.1</b>	<b>3.3</b>	<b>.8</b>	<b>1.9</b>	<b>.8</b>	<b>1.6</b>	<b>1.4</b>	<b>1.9</b>	<b>2.3</b>	<b>1.1</b>
Alaska .....	1.1	1.4	0	1.2	.2	1.4	.6	.8	.9	2.6	1.9	.4
California .....	1.7	1.6	-1.0	4.2	.9	1.9	.7	1.5	1.4	1.9	2.3	1.0
Hawaii .....	.7	-1.6	3.6	-2.6	-1.6	.9	1.0	.9	.4	.9	1.1	1.3
Nevada .....	2.3	2.5	1.9	4.0	-2	2.2	1.3	1.6	2.2	2.3	2.4	2.7
Oregon .....	1.0	-.5	3.3	-.6	-.9	1.8	.4	1.0	1.0	1.7	2.6	1.0
Washington .....	2.0	1.9	2.5	2.3	1.8	2.2	1.4	2.5	1.9	2.3	2.5	1.3

1. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income.

2. Also includes mining and agricultural services, forestry, and fishing.

Table D.—Earnings by Place of Work: Contribution to Percent Change by Industry Group, 1998:II-1998:III

[Seasonally adjusted]

	Percent change in earnings by place of work <sup>1</sup>	Percentage points											
		Private goods-producing industries				Private services-producing industries						Government	
		Total <sup>2</sup>	Farms	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services		
<b>United States</b> .....	<b>1.3</b>	<b>0.1</b>	<b>0</b>	<b>0.1</b>	<b>0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.6</b>	<b>0.1</b>
<b>New England</b> .....	<b>1.2</b>	<b>0</b>	<b>0</b>	<b>.1</b>	<b>-.1</b>	<b>1.1</b>	<b>0</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>.7</b>	<b>.1</b>	
Connecticut .....	1.1	0	0	0	-.1	1.0	-.1	.1	.1	.2	.6	.1	
Maine .....	1.8	.4	0	.3	0	1.3	0	.1	.2	.2	.7	.2	
Massachusetts .....	1.3	0	0	.1	-.1	1.2	0	.1	.1	.2	.8	.1	
New Hampshire .....	.4	-.4	0	0	-.4	.8	0	.1	.2	.1	.4	0	
Rhode Island .....	1.0	.1	0	0	.1	1.0	.1	0	.1	.2	.5	-.2	
Vermont .....	1.5	.6	0	0	.5	.9	0	0	.2	.1	.6	.1	
<b>Mideast</b> .....	<b>1.4</b>	<b>.1</b>	<b>0</b>	<b>.1</b>	<b>0</b>	<b>1.1</b>	<b>0</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>.7</b>	<b>.1</b>	
Delaware .....	1.4	.3	0	.3	0	1.0	.1	0	.1	.2	.5	.1	
District of Columbia .....	.8	0	0	0	0	.6	0	0	.1	-.5	1.0	.3	
Maryland .....	1.5	0	0	.1	-.2	1.2	0	0	.1	.1	.8	.4	
New Jersey .....	1.5	.2	0	.1	.1	1.2	.1	.1	.1	.1	.7	0	
New York .....	1.3	.1	0	.1	-.1	1.2	0	.1	.1	.3	.7	0	
Pennsylvania .....	1.3	.1	0	0	0	1.0	0	.1	.2	.1	.6	.2	
<b>Great Lakes</b> .....	<b>.9</b>	<b>-.1</b>	<b>0</b>	<b>0</b>	<b>-.1</b>	<b>.9</b>	<b>0</b>	<b>.1</b>	<b>.1</b>	<b>.1</b>	<b>.5</b>	<b>.1</b>	
Illinois .....	1.4	.2	0	0	.1	1.1	0	.1	.1	.2	.7	.1	
Indiana .....	-.4	-.1	0	-.1	-.9	.6	0	.1	.1	.1	.3	0	
Michigan .....	.4	-.5	0	0	-.5	.8	0	.1	.1	0	.5	.1	
Ohio .....	1.1	.1	-.1	.1	.1	.9	0	.1	.1	.1	.5	.2	
Wisconsin .....	1.3	.2	0	.1	.1	.9	0	.1	.2	.2	.5	.1	
<b>Plains</b> .....	<b>1.0</b>	<b>0</b>	<b>-.2</b>	<b>.1</b>	<b>0</b>	<b>.9</b>	<b>0</b>	<b>.1</b>	<b>.2</b>	<b>.1</b>	<b>.5</b>	<b>.1</b>	
Iowa .....	.4	-.5	-.6	.1	0	.8	.1	0	.1	.1	.5	.1	
Kansas .....	1.5	.5	0	.2	.4	.8	0	.1	.2	0	.4	.2	
Minnesota .....	1.2	0	-.1	.1	0	1.0	-.1	.1	.2	.2	.6	.2	
Missouri .....	.9	0	-.1	.3	-.1	.9	0	.1	.2	.2	.4	0	
Nebraska .....	1.2	0	-.2	.1	.1	1.0	.2	.1	.1	.1	.5	.2	
North Dakota .....	.6	-.1	-.1	0	0	.7	-.1	.1	.1	.1	.4	0	
South Dakota .....	.3	.1	-.4	0	.4	.2	0	-.1	.3	-.4	.4	0	
<b>Southeast</b> .....	<b>1.3</b>	<b>.1</b>	<b>-.1</b>	<b>.1</b>	<b>0</b>	<b>1.1</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>.1</b>	<b>.6</b>	<b>.2</b>	
Alabama .....	1.2	.3	-.1	.1	.2	.8	0	0	.2	.1	.4	.2	
Arkansas .....	.5	-.3	-.4	.1	0	.6	0	.1	.2	0	.3	.2	
Florida .....	2.0	.3	0	.1	.1	1.7	.1	.1	.3	.2	1.0	.1	
Georgia .....	.8	-.4	-.1	.1	-.4	1.1	.2	.1	.1	.2	.6	.2	
Kentucky .....	1.2	.1	-.2	0	.3	.9	.1	.1	.1	.1	.5	.2	
Louisiana .....	1.2	.3	0	.3	.1	.7	.1	.1	.1	0	.4	.1	
Mississippi .....	1.2	.3	0	.4	-.1	.5	0	0	.1	.1	.3	.4	
North Carolina .....	1.1	0	-.2	.1	.1	.8	0	0	.2	.2	.3	.3	
South Carolina .....	1.6	.4	0	.2	.2	1.1	.1	.1	.2	.1	.5	.1	
Tennessee .....	.9	0	0	.1	-.2	.8	0	0	.1	.1	.6	.1	
Virginia .....	1.5	.1	0	.1	0	1.2	0	.1	.2	.1	.8	.2	
West Virginia .....	1.3	.3	0	.1	.1	.9	.1	0	.1	.1	.6	0	
<b>Southwest</b> .....	<b>1.4</b>	<b>.1</b>	<b>-.1</b>	<b>.1</b>	<b>0</b>	<b>1.1</b>	<b>.1</b>	<b>.1</b>	<b>.1</b>	<b>.1</b>	<b>.6</b>	<b>.1</b>	
Arizona .....	2.0	.6	-.1	.2	.4	1.3	.1	.2	.1	.2	.8	.1	
New Mexico .....	1.1	-.2	0	.1	-.3	1.2	0	.1	.3	.1	.8	.1	
Oklahoma .....	1.3	.2	-.1	.1	.2	.9	.1	.1	.1	.1	.5	.2	
Texas .....	1.3	.1	0	.1	0	1.1	.1	.1	.1	.1	.6	.1	
<b>Rocky Mountain</b> .....	<b>1.6</b>	<b>0</b>	<b>0</b>	<b>.2</b>	<b>-.1</b>	<b>1.3</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>.2</b>	<b>.7</b>	<b>.2</b>	
Colorado .....	2.0	.1	0	.2	-.1	1.6	.3	.1	.3	.2	.8	.2	
Idaho .....	1.6	.2	0	.1	.1	1.2	.1	0	.1	.1	.9	.3	
Montana .....	-.5	-.2	0	0	-.2	.6	-.1	.1	.1	.1	.5	0	
Utah .....	1.4	.3	0	.1	.3	.9	0	0	.1	.2	.5	.2	
Wyoming .....	1.8	.7	-.1	.3	.2	.8	0	.1	.2	.1	.4	.4	
<b>Far West</b> .....	<b>1.7</b>	<b>.3</b>	<b>0</b>	<b>.2</b>	<b>-.1</b>	<b>1.2</b>	<b>.1</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>.7</b>	<b>.2</b>	
Alaska .....	1.1	.3	0	.1	0	.7	.1	0	.1	.1	.4	.1	
California .....	1.7	.4	0	.2	-.1	1.2	0	.1	.1	.2	.8	.1	
Hawaii .....	.7	-.2	0	-.2	-.1	.6	.1	0	0	.1	.3	.3	
Nevada .....	2.3	.5	0	.5	0	1.5	.1	.1	.2	.2	1.0	.3	
Oregon .....	1.0	-.2	0	0	-.2	1.0	0	.1	.1	.1	.7	.1	
Washington .....	2.0	.5	0	.1	.3	1.3	.1	.2	.2	.1	.8	.2	

1. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income. Percent changes are expressed at quarterly rates.

2. Also includes mining and agricultural services, forestry, and fishing.  
NOTE.—Estimates may not add to totals because of rounding.



Table 1.—Personal Income by State and Region

(Millions of dollars, seasonally adjusted at annual rates)

Area name	1996				1997				1998			Percent change <sup>1</sup>	
	I	II	III	IV	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	1998:I-1998:II	1998:II-1998:III
<b>United States</b> .....	<b>6,269,149</b>	<b>6,373,076</b>	<b>6,459,289</b>	<b>6,534,446</b>	<b>6,652,349</b>	<b>6,729,607</b>	<b>6,807,743</b>	<b>6,893,137</b>	<b>6,992,631</b>	<b>7,070,631</b>	<b>7,149,524</b>	<b>1.1</b>	<b>1.1</b>
<b>New England</b> .....	<b>375,401</b>	<b>381,684</b>	<b>386,940</b>	<b>392,636</b>	<b>400,057</b>	<b>404,197</b>	<b>408,687</b>	<b>416,018</b>	<b>418,664</b>	<b>424,570</b>	<b>429,059</b>	<b>1.4</b>	<b>1.1</b>
Connecticut .....	108,076	109,850	111,408	112,865	115,568	116,716	117,801	120,173	121,269	122,060	123,303	.7	1.0
Maine .....	25,357	25,742	26,130	26,516	26,860	27,117	27,250	27,718	27,671	28,278	28,654	2.2	1.3
Massachusetts .....	175,454	178,711	181,154	184,185	187,604	189,401	191,843	194,783	196,225	199,829	202,095	1.8	1.1
New Hampshire .....	30,109	30,502	30,954	31,373	31,770	32,264	32,863	33,536	33,533	34,019	34,238	1.4	.6
Rhode Island .....	23,602	23,935	24,168	24,530	24,886	25,235	25,404	25,939	26,029	26,262	26,475	.9	.8
Vermont .....	12,901	12,945	13,126	13,167	13,368	13,465	13,527	13,869	13,936	14,122	14,294	1.3	1.2
<b>Midwest</b> .....	<b>1,221,822</b>	<b>1,240,073</b>	<b>1,252,618</b>	<b>1,268,123</b>	<b>1,286,623</b>	<b>1,294,001</b>	<b>1,307,359</b>	<b>1,325,111</b>	<b>1,339,594</b>	<b>1,356,951</b>	<b>1,371,887</b>	<b>1.3</b>	<b>1.1</b>
Delaware .....	19,188	19,557	19,894	20,338	20,461	20,535	20,984	21,253	21,592	21,854	22,123	1.2	1.2
District of Columbia .....	16,114	18,041	18,304	18,516	18,518	18,556	18,785	18,810	19,106	19,288	19,442	1.0	.8
Maryland .....	135,367	137,271	139,168	140,885	143,530	145,008	146,626	149,076	150,167	152,551	154,358	1.6	1.2
New Jersey .....	242,577	246,138	248,770	251,583	256,574	257,195	260,425	264,072	269,248	269,621	272,697	.1	1.1
New York .....	517,969	525,046	529,586	535,929	543,202	545,785	551,121	558,018	562,883	573,893	580,113	2.0	1.1
Pennsylvania .....	288,607	294,019	297,896	300,872	304,338	306,921	309,418	313,883	316,598	319,746	323,155	1.0	1.1
<b>Great Lakes</b> .....	<b>1,033,924</b>	<b>1,050,139</b>	<b>1,063,992</b>	<b>1,072,260</b>	<b>1,089,826</b>	<b>1,102,775</b>	<b>1,112,544</b>	<b>1,128,280</b>	<b>1,143,889</b>	<b>1,151,924</b>	<b>1,161,979</b>	<b>.7</b>	<b>.9</b>
Illinois .....	308,925	313,159	317,533	320,850	325,755	330,778	333,773	338,659	342,267	345,941	349,873	1.1	1.1
Indiana .....	126,961	129,059	130,819	131,890	133,922	135,332	136,081	138,446	140,458	141,670	141,744	.9	.1
Michigan .....	229,192	233,247	235,191	236,881	240,721	242,939	245,346	248,308	254,542	254,743	256,462	.1	.7
Ohio .....	252,533	256,422	260,150	261,335	266,513	269,357	271,661	275,434	278,763	280,134	283,012	.5	1.0
Wisconsin .....	116,312	118,252	120,299	121,304	122,915	124,369	125,683	127,433	127,860	129,436	130,887	1.2	1.1
<b>Plains</b> .....	<b>416,904</b>	<b>424,059</b>	<b>430,228</b>	<b>434,037</b>	<b>439,487</b>	<b>445,613</b>	<b>450,253</b>	<b>454,888</b>	<b>460,906</b>	<b>465,666</b>	<b>469,782</b>	<b>1.0</b>	<b>.9</b>
Iowa .....	61,593	62,644	63,596	63,687	65,011	65,973	66,344	67,110	67,432	68,006	68,277	.9	.4
Kansas .....	57,616	58,354	59,244	59,959	60,909	62,031	62,753	63,555	64,265	65,196	65,993	1.4	1.2
Minnesota .....	114,644	116,850	118,705	119,487	120,635	122,568	124,079	125,545	128,416	129,582	130,956	.9	1.1
Missouri .....	118,805	120,589	122,100	123,703	126,407	127,403	128,724	130,068	131,682	132,912	134,052	.9	.9
Nebraska .....	36,779	37,550	37,990	38,644	38,546	39,103	39,473	39,656	39,927	40,572	40,959	1.6	1.0
North Dakota .....	12,728	12,985	13,286	13,204	12,720	12,901	13,050	13,146	13,242	13,289	13,374	.4	.6
South Dakota .....	14,740	15,087	15,308	15,354	15,260	15,634	15,828	15,808	15,942	16,109	16,170	1.0	.4
<b>Southeast</b> .....	<b>1,367,913</b>	<b>1,394,180</b>	<b>1,415,301</b>	<b>1,429,538</b>	<b>1,458,543</b>	<b>1,473,455</b>	<b>1,489,403</b>	<b>1,507,310</b>	<b>1,526,389</b>	<b>1,547,470</b>	<b>1,564,898</b>	<b>1.4</b>	<b>1.1</b>
Alabama .....	83,276	84,773	85,991	86,601	88,320	88,980	89,630	90,682	91,487	92,488	93,474	1.1	1.1
Arkansas .....	45,853	47,100	47,670	47,867	48,605	49,280	49,646	50,281	50,789	51,124	51,436	.7	.6
Florida .....	335,661	341,387	346,580	350,981	357,042	361,288	365,944	369,115	374,763	380,461	385,969	1.5	1.4
Georgia .....	162,790	167,154	170,174	171,867	176,047	177,802	179,814	181,816	185,786	188,443	190,061	1.4	.9
Kentucky .....	73,702	75,097	76,466	77,071	79,137	80,111	80,926	81,836	82,716	83,402	84,201	.8	1.0
Louisiana .....	83,507	84,830	85,778	86,350	87,634	88,603	89,315	90,825	91,901	93,191	94,153	1.4	1.0
Mississippi .....	46,178	47,045	47,678	47,790	48,574	49,183	49,548	50,240	50,893	51,383	51,913	1.0	1.0
North Carolina .....	156,392	160,437	162,905	165,042	169,423	171,247	172,550	175,072	176,902	179,048	180,896	1.2	1.0
South Carolina .....	71,575	72,985	74,191	74,876	76,399	77,101	78,017	79,083	79,379	80,889	81,956	1.9	1.3
Tennessee .....	113,205	115,098	116,739	117,933	120,220	121,295	122,656	124,373	125,086	128,006	129,147	2.3	.9
Virginia .....	163,260	165,494	167,897	169,745	173,447	174,637	177,257	179,640	182,089	184,260	186,539	1.2	1.2
West Virginia .....	32,515	32,781	33,233	33,414	33,696	33,926	34,099	34,346	34,598	34,776	35,112	.5	1.0
<b>Southwest</b> .....	<b>600,186</b>	<b>610,071</b>	<b>619,471</b>	<b>628,078</b>	<b>644,274</b>	<b>655,280</b>	<b>666,804</b>	<b>674,515</b>	<b>690,325</b>	<b>697,217</b>	<b>705,714</b>	<b>1.0</b>	<b>1.2</b>
Arizona .....	91,126	92,654	94,329	95,380	97,701	99,266	100,940	102,821	104,442	106,471	108,167	1.9	1.6
New Mexico .....	31,338	31,706	32,014	32,251	32,771	33,242	33,449	33,724	34,004	34,395	34,732	1.1	1.0
Oklahoma .....	62,584	63,506	64,167	64,978	66,605	67,061	67,492	67,052	68,201	68,479	69,242	.4	1.1
Texas .....	415,138	422,205	428,961	435,469	447,197	455,712	464,924	470,919	483,678	487,873	493,573	.9	1.2
<b>Rocky Mountain</b> .....	<b>182,156</b>	<b>185,753</b>	<b>188,626</b>	<b>191,109</b>	<b>195,137</b>	<b>198,256</b>	<b>201,525</b>	<b>203,850</b>	<b>209,092</b>	<b>217,079</b>	<b>213,918</b>	<b>1.0</b>	<b>1.3</b>
Colorado .....	95,225	97,008	98,654	100,169	102,352	104,256	106,213	107,813	111,758	112,402	114,285	.6	1.7
Idaho .....	22,926	23,428	23,612	23,753	24,225	24,563	24,905	25,029	25,439	25,635	25,982	.8	1.4
Montana .....	16,252	16,473	16,665	16,837	17,042	17,226	17,392	17,603	17,800	18,104	17,985	1.7	-.7
Utah .....	37,632	38,577	39,266	39,825	40,785	41,423	42,109	42,440	43,006	43,777	44,350	1.8	1.3
Wyoming .....	10,121	10,268	10,429	10,525	10,734	10,787	10,905	10,965	11,089	11,161	11,315	.6	1.4
<b>Far West</b> .....	<b>1,070,844</b>	<b>1,087,117</b>	<b>1,102,112</b>	<b>1,118,664</b>	<b>1,138,403</b>	<b>1,156,030</b>	<b>1,171,168</b>	<b>1,183,167</b>	<b>1,203,772</b>	<b>1,215,753</b>	<b>1,232,287</b>	<b>1.0</b>	<b>1.4</b>
Alaska .....	14,627	14,631	14,751	14,837	14,986	15,229	15,230	15,352	15,763	15,698	15,828	-.4	.8
California .....	781,805	793,055	802,404	814,814	828,319	841,373	853,328	861,047	877,393	884,237	896,215	.8	1.4
Hawaii .....	29,570	29,642	29,756	29,824	30,162	30,390	30,704	30,659	30,900	30,985	31,205	.3	.7
Nevada .....	39,971	40,990	41,977	42,754	43,660	44,297	44,670	45,470	46,188	46,984	47,888	1.7	1.9
Oregon .....	70,917	72,387	73,855	75,017	76,524	77,276	78,275	79,090	80,267	81,023	81,775	.9	.9
Washington .....	133,954	136,412	139,368	141,418	144,753	147,465	148,960	151,549	153,261	156,827	159,375	2.3	1.6

<sup>r</sup> Preliminary.

<sup>r</sup> Revised.

1. Percent changes are expressed at quarterly rates.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates.

It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of

differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.

Table 2.—Personal Income by Major Source

[Millions of dollars, seasonally]

Line	Item	United States									New England					
		1997				1998					1997			1998		
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	
<b>Income by Place of Residence</b>																
1	Personal income (lines 4-11) .....	6,652,349	6,729,607	6,807,743	6,893,137	6,992,631	7,070,631	7,149,524	400,057	404,197	408,687	416,018	418,664	424,570	429,059	
2	Nonfarm personal income .....	6,606,242	6,682,096	6,761,224	6,850,451	6,953,582	7,030,587	7,111,406	399,481	403,586	408,055	415,444	418,142	424,025	428,493	
3	Farm income (line 17) .....	46,108	47,510	46,519	42,687	39,049	40,044	38,118	575	611	632	574	521	545	566	
<b>Derivation of Personal Income</b>																
4	Earnings by place of work (lines 12-16 or 17-34) .....	4,717,528	4,786,270	4,855,971	4,936,687	5,021,193	5,087,471	5,154,015	277,890	281,354	285,001	292,076	293,593	298,720	302,347	
5	Less: Personal contributions for social insurance <sup>2</sup> .....	319,056	323,224	327,692	333,088	340,434	344,592	349,001	18,097	18,313	18,538	19,012	19,148	19,474	19,686	
6	Plus: Adjustment for residence <sup>3</sup> .....	-3,694	-3,776	-3,852	-3,925	-4,022	-4,075	-4,146	5,541	5,515	5,656	5,731	5,795	6,035	6,145	
7	Equals: Net earnings by place of residence .....	4,394,777	4,459,271	4,524,427	4,599,673	4,676,737	4,738,804	4,800,868	265,333	268,556	272,119	278,796	280,240	285,281	288,806	
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	1,157,256	1,163,612	1,169,428	1,173,016	1,176,971	1,186,108	1,195,773	73,912	74,197	74,469	74,643	74,892	75,480	76,104	
9	Plus: Transfer payments .....	1,100,316	1,106,724	1,113,888	1,120,448	1,138,923	1,145,719	1,152,883	60,812	61,444	62,098	62,580	63,531	63,809	64,148	
10	State unemployment insurance benefits .....	20,448	19,444	19,172	18,944	19,195	19,183	19,139	1,494	1,398	1,377	1,336	1,373	1,309	1,287	
11	Transfers excluding State unemployment insurance benefits .....	1,079,868	1,087,280	1,094,716	1,101,504	1,119,728	1,126,536	1,133,744	59,318	60,046	60,721	61,243	62,158	62,500	62,862	
<b>Earnings by Place of Work</b>																
Components of earnings:																
12	Wage and salary disbursements .....	3,793,352	3,850,864	3,911,348	3,985,992	4,058,597	4,114,394	4,173,891	225,469	228,512	231,690	238,107	238,989	243,430	246,500	
13	Other labor income .....	389,432	391,312	393,340	396,764	402,519	405,438	408,118	23,141	23,131	23,143	23,496	23,543	23,797	23,902	
14	Proprietors' income <sup>5</sup> .....	534,744	544,094	551,283	553,931	560,077	567,639	572,006	29,280	29,710	30,169	30,473	31,060	31,493	31,945	
15	Farm proprietors' income .....	30,648	32,018	31,051	27,291	23,262	23,618	21,055	221	257	280	225	164	173	179	
16	Nonfarm proprietors' income .....	504,096	512,076	520,232	526,640	536,815	544,021	550,951	29,059	29,453	29,889	30,248	30,896	31,320	31,766	
<b>Earnings by Industry</b>																
17	Farm earnings .....	46,108	47,510	46,519	42,687	39,049	40,044	38,118	575	611	632	574	521	545	566	
18	Nonfarm earnings .....	4,671,420	4,738,760	4,809,452	4,894,000	4,982,144	5,047,427	5,115,897	277,315	280,743	284,369	291,502	293,072	298,175	301,782	
19	Private earnings .....	3,963,644	4,026,308	4,091,856	4,171,680	4,251,330	4,309,857	4,371,161	243,895	247,080	250,449	257,280	259,117	263,414	266,749	
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	28,996	29,920	30,848	31,208	32,005	33,008	33,872	14,899	15,337	15,995	16,177	16,898	17,411	1,786	
21	Mining .....	41,620	42,232	42,832	43,748	44,095	43,400	43,481	225	233	236	242	244	255	261	
22	Construction .....	268,364	272,492	275,820	282,400	290,431	295,732	301,632	13,740	13,720	13,932	14,397	14,962	15,175	15,386	
23	Manufacturing .....	835,404	847,236	859,788	881,272	891,712	891,689	891,487	52,216	52,830	53,830	55,456	54,874	55,234	54,982	
24	Durable goods .....	511,392	520,296	529,200	545,140	551,774	549,574	547,141	35,082	35,617	36,498	37,804	37,115	37,299	36,920	
25	Non-durable goods .....	324,012	326,940	330,588	336,132	339,938	342,115	344,345	17,135	17,157	17,333	17,652	17,759	17,935	18,062	
26	Transportation and public utilities .....	432,060	437,072	441,152	448,384	455,948	464,408	471,673	24,719	24,867	25,207	26,080	25,714	26,378	26,747	
27	Wholesale trade .....	297,152	302,776	307,672	313,892	319,499	324,530	329,079	17,803	18,319	18,527	19,022	19,361	19,581	19,955	
28	Retail trade .....	432,060	435,356	441,152	448,384	455,948	464,408	471,673	24,719	24,867	25,207	26,080	25,714	26,378	26,747	
29	Finance, insurance, and real estate .....	400,736	406,528	415,356	423,408	435,480	446,137	453,752	28,869	28,990	29,208	29,468	31,125	31,048	31,620	
30	Services .....	1,337,984	1,362,696	1,384,268	1,407,744	1,438,658	1,466,221	1,498,768	89,917	91,270	92,450	95,050	94,674	97,777	99,791	
31	Government and government enterprises .....	707,776	712,452	717,598	722,320	730,814	736,570	744,736	33,420	33,663	33,920	34,222	33,954	34,761	35,033	
32	Federal, civilian .....	135,264	134,600	133,684	133,544	135,581	136,214	137,063	5,465	5,414	5,437	5,481	5,529	5,585	5,564	
33	Military .....	47,832	47,528	47,652	47,424	48,081	47,517	47,482	1,256	1,254	1,244	1,223	1,204	1,196	1,186	
34	State and local .....	524,680	530,324	536,260	541,352	547,152	553,893	560,192	26,644	26,943	27,262	27,562	27,269	28,035	28,283	

Line	Item	New Hampshire						Rhode Island							
		1997			1998			1997			1998				
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>
<b>Income by Place of Residence</b>															
1	Personal income (lines 4-11) .....	31,770	32,264	32,863	33,536	33,533	34,019	34,238	24,886	25,235	25,404	25,939	26,029	26,262	26,475
2	Nonfarm personal income .....	31,727	32,219	32,817	33,494	33,493	33,977	34,197	24,854	25,201	25,370	25,908	26,002	26,235	26,449
3	Farm income (line 17) .....	43	45	45	42	41	41	42	32	34	34	30	27	28	27
<b>Derivation of Personal Income</b>															
4	Earnings by place of work (lines 12-16 or 17-34) .....	20,444	20,916	21,482	22,114	21,992	22,351	22,443	15,761	16,043	16,076	16,576	16,569	16,751	16,911
5	Less: Personal contributions for social insurance <sup>2</sup> .....	1,437	1,469	1,510	1,555	1,547	1,573	1,578	1,251	1,266	1,262	1,299	1,301	1,315	1,326
6	Plus: Adjustment for residence <sup>3</sup> .....	2,711	2,711	2,725	2,765	2,807	2,893	2,951	1,001	1,005	1,029	1,040	1,063	1,095	1,109
7	Equals: Net earnings by place of residence .....	21,718	22,157	22,697	23,325	23,252	23,671	23,817	15,510	15,782	15,843	16,318	16,331	16,531	16,694
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	5,936	5,961	5,984	5,999	6,018	6,062	6,110	4,316	4,325	4,335	4,341	4,348	4,371	4,396
9	Plus: Transfer payments .....	4,116	4,147	4,182	4,213	4,264	4,286	4,311	5,060	5,128	5,227	5,280	5,349	5,360	5,385
10	State unemployment insurance benefits .....	34	31	33	37	31	31	34	169	142	158	151	151	135	133
11	Transfers excluding State unemployment insurance benefits .....	4,082	4,116	4,149	4,176	4,233	4,255	4,277	4,892	4,985	5,069	5,128	5,199	5,225	5,253
<b>Earnings by Place of Work</b>															
Components of earnings:															
12	Wage and salary disbursements .....	16,283	16,693	17,196	17,747	17,599	17,920	17,999	13,038	13,294	13,325	13,790	13,759	13,924	14,063
13	Other labor income .....	1,756	1,779	1,809	1,847	1,821	1,842	1,833	1,259	1,260	1,242	1,271	1,265	1,271	1,277
14	Proprietors' income <sup>5</sup> .....	2,405	2,444	2,478	2,520	2,572	2,590	2,611	1,464	1,460	1,509	1,516	1,546	1,556	1,571
15	Farm proprietors' income .....	17	18	19	15	13	13	12	21	23	23	20	16	16	15
16	Nonfarm proprietors' income .....	2,388	2,426	2,459	2,505	2,558	2,577	2,599	1,442	1,466	1,485	1,496	1,529	1,540	1,556
<b>Earnings by Industry</b>															
17	Farm earnings .....	43	45	45	42	41	41	42	32	34	34	30	27	28	27
18	Nonfarm earnings .....	20,400	20,870	21,437	22,072	21,952	22,310	22,402	15,728	16,009	16,042	16,546	16,542	16,723	16,884
19	Private earnings .....	18,068	18,505	19,007	19,660	19,571	19,950	19,949	13,127	13,327	13,455	13,903	13,834	14,032	14,220
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	111	113	117	120	134	132	137	100	103	108	111	109	116	119
21	Mining .....	19	19	19	21	18	20	21	8	9	9	10	10	10	
22	Construction .....	1,202	1,226	1,230	1,288	1,358	1,340	1,333	754	753	768	780	839	819	824
23	Manufacturing .....	4,614	4,801	4,967	5,197	4,968	5,029	4,945	3,100	3,023	3,022	3,131	3,101	3,076	3,093
24	Durable goods .....	3,288	3,442	3,596	3,790	3,537	3,620	3,488	1,914	1,914	1,927	2,031	2,059	1,997	1,999
25	Non-durable goods .....	1,326	1,359	1,371	1,407	1,432	1,409	1,456	1,187	1,109	1,095	1,099	1,043	1,078	1,094
26	Transportation and public utilities .....	1,226	1,248	1,262	1,3										

and Earnings by Industry, 1997:I-1998:III<sup>1</sup>

adjusted at annual rates]

Connecticut				Maine				Massachusetts									Line				
1997				1998				1997			1998			1997				1998			
I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	IV	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	I	II		III	IV	I <sup>r</sup>	II <sup>r</sup>
115,568	116,716	117,801	120,173	121,269	122,060	123,303	26,860	27,117	27,250	27,718	27,610	28,278	28,654	187,604	189,401	191,843	194,783	196,225	199,829	202,095	1
115,413	116,549	117,627	120,017	121,128	121,911	123,144	26,794	27,051	27,187	27,660	27,610	28,217	28,591	187,437	189,216	191,645	194,603	196,075	199,666	201,923	2
155	166	173	157	141	149	159	66	66	62	58	61	61	63	168	185	198	180	150	163	172	3
78,278	79,314	80,081	82,384	83,154	83,470	84,389	17,648	17,848	17,915	18,359	18,188	18,784	19,126	136,643	138,045	140,230	143,079	144,098	147,609	149,574	4
5,020	5,077	5,118	5,266	5,328	5,340	5,390	1,261	1,275	1,278	1,310	1,299	1,340	1,364	8,502	8,595	8,738	8,924	9,013	9,235	9,348	5
4,864	4,831	4,970	5,022	5,068	5,326	5,431	228	237	251	261	261	263	260	-3,339	-3,350	-3,412	-3,449	-3,492	-3,632	-3,694	6
78,122	79,068	79,933	82,139	82,894	83,456	84,431	16,615	16,810	16,888	17,309	17,150	17,707	18,022	124,801	126,100	128,080	130,706	131,594	134,742	136,533	7
22,207	22,273	22,338	22,381	22,451	22,619	22,797	4,699	4,712	4,725	4,734	4,744	4,774	4,805	34,073	34,237	34,391	34,485	34,618	34,919	35,236	8
15,240	15,375	15,529	15,653	15,924	15,985	16,075	5,546	5,594	5,637	5,675	5,777	5,797	5,827	28,730	29,064	29,372	29,592	30,013	30,169	30,326	9
383	347	339	332	344	308	295	116	110	100	95	104	90	83	740	719	701	674	694	700	699	10
14,857	15,028	15,190	15,321	15,580	15,677	15,779	5,431	5,485	5,537	5,580	5,673	5,707	5,744	27,990	28,345	28,671	28,919	29,319	29,469	29,627	11
63,219	64,092	64,738	66,790	67,319	67,568	68,315	14,058	14,245	14,306	14,708	14,521	15,010	15,296	111,677	112,937	114,855	117,487	118,206	121,293	122,981	12
6,587	6,593	6,573	6,706	6,767	6,731	6,748	1,526	1,522	1,502	1,524	1,500	1,541	1,558	11,215	11,186	11,233	11,341	11,382	11,597	11,662	13
8,471	8,628	8,770	8,887	9,068	9,171	9,327	2,063	2,081	2,107	2,127	2,168	2,233	2,272	13,751	13,922	14,243	14,251	14,510	14,719	14,931	14
59	70	77	61	43	47	54	-10	-10	-13	-17	-15	-19	-20	72	89	102	85	53	62	67	15
8,413	8,558	8,693	8,826	9,024	9,124	9,273	2,074	2,091	2,120	2,144	2,183	2,252	2,292	13,679	13,833	14,040	14,165	14,457	14,657	14,864	16
155	166	173	157	141	149	159	66	66	62	58	61	61	63	168	185	198	180	150	163	172	17
78,122	79,147	79,908	82,227	83,013	83,321	84,230	17,582	17,782	17,853	18,301	18,127	18,723	19,063	136,475	137,860	140,032	142,899	143,948	147,446	149,402	18
69,426	70,412	70,953	73,412	74,408	74,435	75,266	14,656	14,856	14,939	15,339	15,228	15,715	16,019	121,028	122,286	124,367	126,970	127,995	131,156	132,932	19
396	404	423	432	458	460	474	167	175	183	185	195	205	210	668	681	702	708	734	755	774	20
99	101	101	103	109	111	111	5	6	5	5	6	5	5	71	75	78	79	78	86	90	21
3,690	3,706	3,725	3,873	3,945	3,874	3,914	1,120	1,155	1,138	1,130	1,163	1,298	1,355	6,268	6,254	6,444	6,672	6,949	7,089	7,202	22
16,082	16,362	16,421	16,929	16,947	16,903	16,844	3,234	3,351	3,329	3,451	3,297	3,403	3,407	23,202	23,423	24,215	24,799	24,538	24,852	24,674	23
11,309	11,524	11,542	12,009	11,839	11,698	11,642	1,626	1,633	1,602	1,675	1,598	1,695	1,683	15,564	15,800	16,474	16,880	16,583	16,847	16,646	24
4,773	4,838	4,878	4,920	5,107	5,205	5,202	1,698	1,718	1,721	1,776	1,699	1,709	1,724	7,638	7,622	7,741	7,919	7,955	8,005	8,028	25
4,052	4,063	4,185	4,269	4,687	4,419	4,345	1,037	1,072	1,071	1,094	1,146	1,110	1,118	7,271	7,574	7,591	7,878	7,883	7,951	7,993	26
5,039	5,376	5,309	5,570	5,622	5,663	5,764	934	958	973	1,006	950	993	1,016	9,158	9,263	9,387	9,551	9,947	10,037	10,254	27
6,145	6,143	6,216	6,508	6,347	6,461	6,553	2,109	2,125	2,162	2,198	2,205	2,269	2,311	11,632	11,694	11,836	12,238	12,057	12,450	12,608	28
10,418	10,319	10,337	10,807	11,342	11,083	11,262	1,137	1,167	1,161	1,189	1,251	1,231	1,265	14,321	14,371	14,559	14,111	15,181	15,326	15,608	29
23,504	23,938	24,237	24,921	24,951	25,461	26,000	4,733	4,847	4,916	5,082	5,015	5,201	5,332	48,447	48,950	49,556	50,935	50,628	52,610	53,730	30
8,696	8,914	8,955	8,815	8,605	8,886	8,965	2,926	2,926	2,926	2,926	2,926	2,926	3,008	3,044	3,044	3,044	3,044	3,044	3,044	3,044	31
1,087	1,059	1,035	1,029	1,032	1,039	1,035	614	603	597	601	602	605	619	2,666	2,656	2,632	2,651	2,675	2,698	2,722	32
386	388	387	374	356	349	336	207	203	202	204	204	202	206	347	346	346	342	340	340	344	33
7,223	7,288	7,534	7,412	7,217	7,497	7,593	2,106	2,119	2,115	2,157	2,094	2,201	2,219	12,434	12,572	12,687	12,936	12,938	13,252	13,404	34

Vermont				Midwest									Delaware						Line		
1997				1998				1997			1998			1997			1998				
I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	IV	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	I	II	III	IV		I <sup>r</sup>	II <sup>r</sup>
13,368	13,465	13,527	13,869	13,936	14,122	14,294	1,286,623	1,294,001	1,307,359	1,325,111	1,339,594	1,356,951	1,371,887	20,461	20,535	20,984	21,253	21,592	21,854	22,123	1
13,257	13,350	13,407	13,761	13,835	14,019	14,190	1,285,141	1,292,500	1,305,850	1,323,707	1,338,223	1,355,521	1,370,428	20,368	20,444	20,890	21,177	21,520	21,776	22,048	2
111	115	119	107	102	103	103	1,482	1,501	1,509	1,403	1,371	1,430	1,459	93	91	94	76	72	78	75	3
9,117	9,189	9,217	9,564	9,591	9,754	9,903	904,991	911,119	923,974	941,320	953,031	969,163	982,329	15,923	15,986	16,536	16,834	17,155	17,422	17,673	4
626	630	632	658	660	671	681	60,630	60,924	61,721	62,859	63,872	64,914	65,767	995	1,001	1,036	1,056	1,081	1,098	1,114	5
76	81	92	93	88	91	87	-12,744	-12,614	-12,911	-12,888	-13,164	-13,510	-13,651	-1,240	-1,243	-1,322	-1,347	-1,383	-1,417	-1,440	6
8,567	8,640	8,678	8,999	9,019	9,174	9,309	831,617	837,582	849,343	865,573	875,995	890,739	902,911	13,688	13,743	14,177	14,431	14,692	14,967	15,120	7
2,682	2,690	2,697	2,702	2,713	2,736	2,760	230,661	231,373	232,058	232,513	233,099	234,505	236,008	3,873	3,889	3,905	3,915	3,927	3,955	3,985	8
2,119	2,136	2,151	2,167	2,204	2,212	2,224	224,345	225,046	225,958	227,025	230,500	231,707	232,968	2,900	2,903	2,902	2,907	2,973	2,993	3,018	9
52	50	47	47	49	44	43	4,992	4,746	4,634	4,636	4,572	4,456	4,317	70	68	60	53	66	65	70	10
2,067	2,086	2,104	2,120	2,154	2,167	2,181	219,353	220,299	221,324	222,389	225,929	227,251	228,651	2,830	2,835	2,843	2,854	2,908	2,928	2,949	11
7,194	7,251	7,270	7,585	7,585	7,715	7,846	733,908	739,387	750,769	766,663	776,017	790,078	801,764	12,548	12,629	13,093	13,370	13,629	13,872	14,087	12
797	791	783	808	809	816	824	73,149	72,844													

Table 2.—Personal Income by Major Source

[Millions of dollars, seasonally]

Line	Item	District of Columbia						Maryland							
		1997				1998		1997				1998			
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>
<b>Income by Place of Residence</b>															
1	Personal income (lines 4-11) .....	18,518	18,556	18,785	18,810	19,106	19,288	19,442	143,530	145,008	146,626	149,076	150,167	152,551	154,358
2	Nonfarm personal income .....	18,518	18,556	18,785	18,810	19,106	19,288	19,442	143,297	144,773	146,388	148,859	149,961	152,330	154,138
3	Farm income (line 17) .....	0	0	0	0	0	0	0	234	235	238	216	206	221	220
<b>Derivation of Personal Income</b>															
4	Earnings by place of work (lines 12-16 or 17-34) .....	34,810	34,600	35,318	35,079	36,093	36,517	36,823	89,519	90,843	91,829	94,311	94,555	96,616	98,087
5	Less: Personal contributions for social insurance <sup>2</sup> .....	2,250	2,235	2,285	2,266	2,342	2,368	2,385	6,117	6,200	6,258	6,425	6,460	6,599	6,696
6	Plus: Adjustment for residence <sup>3</sup> .....	-21,097	-20,896	-21,355	-21,132	-21,818	-22,058	-22,221	13,880	13,754	14,081	13,958	14,435	14,580	14,714
7	Equals: Net earnings by place of residence .....	11,464	11,470	11,678	11,681	11,932	12,092	12,218	97,282	98,398	99,652	101,844	102,530	104,597	106,105
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	3,157	3,139	3,125	3,118	3,120	3,131	3,143	25,174	25,284	25,388	25,455	25,528	25,707	25,898
9	Plus: Transfer payments .....	3,897	3,947	3,982	4,010	4,054	4,065	4,081	21,075	21,326	21,586	21,776	22,109	22,247	22,356
10	State unemployment insurance benefits .....	69	73	67	64	64	60	58	344	332	346	343	328	335	306
11	Transfers excluding State unemployment insurance benefits .....	3,828	3,874	3,915	3,946	3,990	4,006	4,023	20,731	20,994	21,240	21,433	21,782	21,912	22,050
<b>Earnings by Place of Work</b>															
Components of earnings:															
12	Wage and salary disbursements .....	29,929	29,734	30,397	30,192	31,095	31,478	31,753	74,489	75,667	76,531	78,784	78,904	80,726	82,043
13	Other labor income .....	2,642	2,601	2,632	2,582	2,660	2,677	2,680	7,010	7,036	7,036	7,178	7,167	7,299	7,357
14	Proprietors' income <sup>5</sup> .....	2,240	2,265	2,289	2,304	2,338	2,362	2,391	8,020	8,140	8,262	8,349	8,484	8,591	8,687
15	Farm proprietors' income .....	0	0	0	0	0	0	0	119	120	123	103	90	100	94
16	Nonfarm proprietors' income .....	2,240	2,265	2,289	2,304	2,338	2,362	2,391	7,901	8,019	8,138	8,246	8,394	8,490	8,593
<b>Earnings by Industry</b>															
17	Farm earnings .....	0	0	0	0	0	0	0	234	235	238	216	206	221	220
18	Nonfarm earnings .....	34,810	34,600	35,318	35,079	36,093	36,517	36,823	89,285	90,608	91,591	94,095	94,349	96,395	97,867
19	Private earnings .....	20,762	20,492	21,039	20,951	21,776	22,137	22,347	70,359	71,339	72,246	74,628	74,683	76,355	77,483
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	331	298	339	424	312	300	304	500	507	516	535	544	554	567
21	Mining .....	17	13	18	18	15	17	17	80	82	80	82	91	90	89
22	Construction .....	412	400	426	428	409	418	419	6,194	6,219	6,206	6,343	6,478	6,508	6,645
23	Manufacturing .....	953	957	989	961	998	1,036	1,024	8,163	8,240	8,376	8,934	9,115	9,127	9,876
24	Durable goods .....	126	107	115	124	129	148	129	4,381	4,430	4,544	4,970	5,068	5,137	4,959
25	Nondurable goods .....	827	849	874	837	869	887	895	3,782	3,810	3,832	3,964	4,047	3,990	4,016
26	Transportation and public utilities .....	1,357	1,302	1,332	1,396	1,456	1,281	1,276	5,172	5,237	5,320	5,460	5,449	5,519	5,552
27	Wholesale trade .....	309	289	323	324	321	327	328	5,023	5,126	5,230	5,330	5,334	5,396	5,431
28	Retail trade .....	883	868	869	850	882	867	892	5,573	5,557	5,672	5,897	5,982	5,962	6,161
29	Finance, insurance, and real estate .....	1,971	1,970	2,039	2,014	2,014	2,232	2,056	7,119	7,309	7,432	7,936	7,991	8,159	8,291
30	Services .....	14,530	14,395	14,705	14,536	15,369	15,660	16,030	29,534	30,061	30,413	31,111	31,452	31,951	32,771
31	Government and government enterprises .....	14,049	14,109	14,278	14,127	14,317	14,380	14,477	18,927	19,270	19,345	19,468	19,666	20,040	20,385
32	Federal, civilian .....	11,476	11,559	11,635	11,579	11,702	11,711	11,789	7,809	7,897	7,932	7,948	8,160	8,151	8,188
33	Military .....	727	726	727	733	742	739	742	1,328	1,357	1,357	1,354	1,377	1,353	1,362
34	State and local .....	1,846	1,824	1,916	1,816	1,872	1,931	1,945	9,789	10,016	10,056	10,165	10,130	10,536	10,835

See footnotes at end of table.

and Earnings by Industry, 1997:I-1998:III —Continued  
 (adjusted at annual rates)

New Jersey												New York						Pennsylvania						Line	
1997				1998				1997				1998				1997				1998					
I	II	III	IV	I'	II'	III'	IV'	I	II	III	IV	I'	II'	III'	IV'	I	II	III	IV	I'	II'	III'	IV'		
256.574	257.195	260.425	264.072	269.248	269.621	272.697	543.202	545.785	551.121	558.018	562.883	573.893	580.113	304.338	306.921	309.418	313.883	316.598	319.746	323.155	325.551	328.551	331.251	334.000	1
256.369	256.988	260.217	263.879	269.063	269.430	272.502	542.848	545.420	550.755	557.680	562.547	573.545	579.747	303.741	306.318	308.814	313.303	316.026	319.152	322.551	325.551	328.551	331.251	334.000	2
205	207	208	194	185	190	195	354	365	365	338	336	348	365	597	603	604	580	572	594	604	604	604	604	604	3
169.637	169.629	172.326	175.475	180.556	179.290	181.901	390.340	392.871	398.649	406.001	409.119	421.045	426.722	204.761	207.190	209.316	213.619	215.553	218.273	221.123	221.123	221.123	221.123	221.123	4
11,890	11,832	11,993	12,192	12,616	12,493	12,665	25,207	25,319	25,659	26,127	26,394	27,197	27,554	14,170	14,338	14,490	14,792	14,979	15,158	15,354	15,354	15,354	15,354	15,354	5
14,801	14,943	15,175	15,497	15,291	16,363	16,584	-20,850	-20,879	-21,293	-21,686	-21,641	-22,877	-23,235	1,762	1,708	1,804	1,822	1,951	1,899	1,947	1,947	1,947	1,947	1,947	6
172.548	172.740	175.508	178.780	183.231	183.160	185.820	344.283	346.672	351.698	358.188	361.084	370.971	375.934	192.352	194.560	196.630	200.649	202.526	205.014	207.716	207.716	207.716	207.716	207.716	7
49,420	49,632	49,828	49,953	50,073	50,374	50,695	94,983	95,305	95,609	95,804	96,044	96,612	97,216	54,053	54,124	54,204	54,267	54,407	54,407	54,727	55,072	55,072	55,072	55,072	8
34.606	34.824	35.090	35.339	36.087	36.182	36.182	103.935	103.808	103.814	104.025	105.755	106.310	106.963	57.933	58.238	58.583	58.967	59.665	60.005	60.368	60.368	60.368	60.368	60.368	9
1.217	1.119	1.084	1.083	1.147	1.088	970	1,830	1,740	1,668	1,614	1,606	1,511	1,477	1,462	1,415	1,410	1,479	1,361	1,397	1,437	1,437	1,437	1,437	1,437	10
33.389	33.705	34.006	34.256	34.797	34.999	35.213	102.105	102.068	102.146	102.412	104.150	104.799	105.486	56.470	56.823	57.174	57.488	58.303	58.608	58.930	58.930	58.930	58.930	58.930	11
139.190	139.201	141.690	144.619	149.078	147.840	150.116	314.707	316.839	321.710	328.440	330.547	341.080	346.124	163.046	165.316	167.349	171.257	172.765	175.081	177.642	177.642	177.642	177.642	177.642	12
13.902	13.720	13.787	13.892	14.227	14.025	14.144	29.798	29.668	29.838	30.118	30.253	31.047	31.273	18.382	18.414	18.391	18.631	18.726	18.862	18.983	18.983	18.983	18.983	18.983	13
16.545	16.708	16.849	16.964	17.251	17.425	17.641	45.835	46.363	47.101	47.443	48.319	48.918	49.325	23.332	23.460	23.576	23.732	24.062	24.331	24.497	24.497	24.497	24.497	24.497	14
63	65	66	53	41	40	39	-60	-48	-47	-70	-82	-87	-86	155	160	162	142	123	127	119	119	119	119	119	15
16.482	16.643	16.783	16.912	17.209	17.385	17.602	45.894	46.411	47.147	47.513	48.401	49.005	49.411	23.177	23.300	23.414	23.590	23.939	24.204	24.378	24.378	24.378	24.378	24.378	16
205	207	208	194	185	190	195	354	365	365	338	336	348	365	597	603	604	580	572	594	604	604	604	604	604	17
169.432	169.422	172.118	175.282	180.370	179.099	181.706	389.987	392.505	398.284	405.663	408.783	420.697	426.357	204.167	206.587	208.712	213.039	214.981	217.679	220.519	220.519	220.519	220.519	220.519	18
145.457	145.337	148.020	150.923	155.208	153.848	156.396	335.491	336.028	342.637	348.973	352.573	363.505	368.957	178.447	180.476	182.563	186.953	188.747	191.152	193.482	193.482	193.482	193.482	193.482	19
718	731	752	760	800	799	821	1,263	1,279	1,309	1,332	1,406	1,434	1,462	934	958	986	1,016	1,056	1,088	1,114	1,114	1,114	1,114	1,114	20
227	232	235	244	259	250	255	320	327	362	335	323	340	347	1,480	1,524	1,524	1,568	1,555	1,578	1,584	1,584	1,584	1,584	1,584	21
7.747	7.745	7.725	7.878	8.141	8.086	8.267	13.738	13.871	14.004	14.474	15.368	15.459	15.983	11,884	11,837	11,789	12,003	12,176	12,415	12,450	12,450	12,450	12,450	12,450	22
26.226	26.644	26.942	27.382	27.597	27.535	27.733	47.667	47.883	48.194	49.344	50.079	50.788	50.510	42,561	43,120	43,712	44,933	44,655	44,913	44,980	44,980	44,980	44,980	44,980	23
9.469	9.562	9.602	9.805	9.906	9.497	9.478	25,266	25,173	25,173	26,142	26,291	26,903	26,744	24,989	25,233	25,180	25,948	26,097	25,950	25,870	25,870	25,870	25,870	25,870	24
16.756	17.062	17.340	17.577	17.792	18.038	18.255	22.401	22.711	23.021	23.202	23.789	23.885	23.766	17,562	17,797	18,032	18,985	18,558	18,963	19,110	19,110	19,110	19,110	19,110	25
14.707	14.932	15.214	15.347	14.811	14.898	15.085	22,369	23,153	23,991	24,233	24.103	24.954	25,117	13,963	14,136	14,363	14,624	14,841	14,874	14,965	14,965	14,965	14,965	14,965	26
14.858	15.005	15.221	15.517	16.145	16.242	16.478	22,292	22,701	22,908	23,267	23,644	24,127	24,525	11,686	11,886	12,055	12,323	12,517	12,738	12,874	12,874	12,874	12,874	12,874	27
13.536	13.533	13.705	13.901	14.260	14.458	14.588	25,995	26,264	26,575	27,276	27,260	27,709	28,186	19,174	19,214	19,414	19,651	19,755	20,013	20,372	20,372	20,372	20,372	20,372	28
15.812	14.275	15.214	15.800	17.846	15.731	15.951	79,185	76,597	80,294	81,055	81,394	85,646	87,039	15,773	15,944	15,950	16,242	17,217	17,162	17,434	17,434	17,434	17,434	17,434	29
51.627	52.241	53.012	54.094	55.350	56.086	57.351	122,661	123,963	125,002	127,656	128,995	133,049	135,789	61,011	61,856	63,269	64,522	64,974	66,369	67,709	67,709	67,709	67,709	67,709	30
23.975	24.085	24.098	24.359	25.162	25.251	25.309	54.496	56.477	55,647	56,691	56,210	57,192	57,400	25,071	26,111	26,105	26,807	26,235	26,528	27,036	27,036	27,036	27,036	27,036	31
3.377	3.347	3.315	3.313	3.309	3.317	3.342	6.648	6.568	6.508	6.492	6.568	6.559	6.580	5,184	5,144	5,114	5,145	5,186	5,244	5,270	5,270	5,270	5,270	5,270	32
503	509	516	516	518	510	531	895	892	898	898	912	919	917	549	536	534	526	529	528	520	520	520	520	520	33
20,095	20,228	20,268	20,530	21,335	21,424	21,437	46,954	49,017	48,242	49,300	48,729	49,715	49,903	19,984	20,431	20,501	20,415	20,520	20,765	21,247	21,247	21,247	21,247	21,247	34

Indiana				Michigan								Ohio						Line							
1997				1998				1997				1998				1997				1998					
I	II	III	IV	I'	II'	III'	IV'	I	II	III	IV	I'	II'	III'	IV'	I	II		III	IV	I'	II'	III'	IV'	
133.922	135.332	136.081	138.446	140.458	141.670	141.744	240.721	242.939	245.346	248.308	254.542	254.743	256.462	266.514	269.357	271.661	275.434	278.763	280.134	283.012	283.012	283.012	283.012	283.012	1
132.883	134.216	135.021	137.343	139.490	140.721	140.838	240.178	242.391	244.798	247.767	254.004	254.186	255.900	264.906	267.720	270.169	273.866	277.413	278.830	281.820	281.820	281.820	281.820	281.820	2
1,040	1,116	1,060	1,103	968	949	906	543	548	548	541	538	557	563	1,606	1,637	1,492	1,568	1,349	1,304	1,192	1,192	1,192	1,192	1,192	3
97.157	98.405	98.962	101.318	103.126	104.091	103.676	172.689	174.701	176.931	179.786	185.785	185.514	186.223	190.785	193.380	195.381	199.058	201.903	202.776	205.077	205.077	205.077	205.077	205.077	4
6.602	6.676	6.710	6.862	7.024	7.089	7.054	11,622	11,737	11,874	12,051	12,514	12,481	12,522	13,366	13,530	13,669	13,907	14,179	14,227	14,387	14,387	14,387	14,387	14,387	5
2.342	2.405	2.441	2.484	2.500	2,528	2,617	717	728	736	760	746	769	779	-1,404	-1,434	-1,458	-1,504	-1,523	-1,515	-1,535	-1,535	-1,535	-1,535	-1,535	6
92.897	94.133	94.693	96.940	98.602	99.531	99.239	161.784	163.692	165.794	168.496	174.017	173.802	174.480	176.016	178.416	180.254	183.648	186.201	187.034	189.155					

Table 2.—Personal Income by Major Source

[Millions of dollars, seasonally]

Line	Item	Wisconsin									Plains					
		1997				1998					1997				1998	
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	
<b>Income by Place of Residence</b>																
1	Personal income (lines 4-11) .....	122,915	124,369	125,683	127,433	127,860	129,436	130,887	439,487	445,613	450,253	454,888	460,906	465,666	469,782	
2	Nonfarm personal income .....	122,643	124,059	125,386	127,268	127,809	129,407	130,864	429,875	435,812	440,715	446,495	453,274	458,108	462,783	
3	Farm income (line 17) .....	272	310	297	165	50	29	24	9,611	9,802	9,538	8,393	7,632	7,558	6,999	
<b>Derivation of Personal Income</b>																
4	Earnings by place of work (lines 12-16 or 17-34) .....	86,512	87,835	89,025	90,680	90,745	92,128	93,320	318,899	324,291	328,179	332,468	337,786	342,019	345,476	
5	Less: Personal contributions for social insurance <sup>2</sup> .....	5,862	5,745	5,826	5,941	5,970	6,060	6,135	22,583	22,965	23,263	23,641	24,177	24,476	24,749	
6	Plus: Adjustment for residence <sup>3</sup> .....	1,929	1,977	2,004	2,050	2,114	2,139	2,168	-3,688	-3,731	-3,779	-3,951	-3,985	-4,031	-4,031	
7	Equals: Net earnings by place of residence .....	82,779	84,067	85,203	86,788	86,889	88,207	89,353	292,628	297,595	301,137	304,976	309,681	313,557	316,696	
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	21,599	21,639	21,681	21,707	21,790	21,972	22,165	78,050	78,793	79,447	79,849	80,081	80,627	81,205	
9	Plus: Transfer payments .....	18,536	18,663	18,800	18,938	19,180	19,257	19,370	68,809	69,226	69,668	70,063	71,145	71,481	71,881	
10	State unemployment insurance benefits .....	483	459	452	472	465	448	463	1,067	1,019	1,002	988	1,026	973	959	
11	Transfers excluding State unemployment insurance benefits .....	18,054	18,204	18,348	18,466	18,715	18,809	18,907	67,742	68,206	68,666	69,075	70,119	70,509	70,922	
<b>Earnings by Place of Work</b>																
Components of earnings:																
12	Wage and salary disbursements .....	71,954	73,103	74,206	75,828	75,905	77,160	78,245	253,811	258,261	261,796	266,520	271,588	275,317	278,846	
13	Other labor income .....	8,146	8,185	8,210	8,297	8,274	8,356	8,410	27,189	27,367	27,461	27,680	28,073	28,323	28,461	
14	Proprietors' income <sup>5</sup> .....	6,412	6,548	6,609	6,554	6,565	6,611	6,665	37,899	38,662	38,922	38,688	38,125	38,379	38,168	
15	Farm proprietors' income .....	-280	-238	-253	-390	-519	-563	-592	7,964	8,160	7,900	6,754	5,952	5,810	5,183	
16	Nonfarm proprietors' income .....	6,692	6,786	6,861	6,944	7,085	7,175	7,257	29,935	30,502	31,022	31,514	32,172	32,570	32,985	
<b>Earnings by Industry</b>																
17	Farm earnings .....	272	310	297	165	50	29	24	9,611	9,802	9,538	8,393	7,632	7,558	6,999	
18	Nonfarm earnings .....	86,240	87,525	88,728	90,515	90,695	92,099	93,296	309,287	314,489	318,641	324,075	330,153	334,461	338,477	
19	Private earnings .....	74,663	75,890	77,011	78,509	78,961	79,941	81,038	263,253	267,919	271,711	277,427	282,509	286,754	290,412	
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	457	484	497	502	504	552	565	1,875	1,945	2,015	2,041	2,103	2,227	2,287	
21	Mining .....	124	128	128	133	137	142	141	1,558	1,623	1,613	1,657	1,618	1,656	1,625	
22	Construction .....	5,525	5,615	5,608	5,729	5,927	6,040	6,164	19,313	19,746	19,928	20,502	21,260	21,993	22,920	
23	Manufacturing .....	24,505	24,981	25,168	25,973	25,816	25,686	25,774	61,195	61,873	62,909	64,765	64,959	65,629	65,752	
24	Durable goods .....	15,202	15,416	15,655	16,242	16,008	15,982	15,871	35,865	36,665	37,147	38,542	38,755	39,072	38,758	
25	Non-durable goods .....	9,303	9,565	9,513	9,731	9,808	9,704	9,902	25,330	25,208	25,762	26,223	26,204	26,557	26,994	
26	Transportation and public utilities .....	5,053	5,120	5,244	5,281	5,261	5,475	5,503	24,388	24,242	24,472	24,701	25,063	25,186	25,149	
27	Wholesale trade .....	5,323	5,381	5,503	5,680	5,680	5,738	5,850	22,866	23,313	23,554	24,121	24,236	24,530	24,833	
28	Retail trade .....	7,866	7,924	8,007	8,167	8,234	8,487	8,628	29,879	30,261	30,691	31,104	31,963	32,245	32,967	
29	Finance, insurance, and real estate .....	5,828	5,955	6,226	6,097	6,135	6,239	6,389	22,710	23,338	24,124	24,528	25,259	26,369	26,836	
30	Services .....	19,982	20,303	20,630	20,996	21,267	21,581	22,023	79,469	81,079	82,400	84,008	86,048	87,399	89,069	
31	Government and government enterprises .....	11,577	11,635	11,717	12,006	11,734	12,158	12,258	46,035	46,570	46,930	46,648	47,644	47,707	48,065	
32	Federal, civilian .....	1,250	1,250	1,238	1,245	1,258	1,270	1,279	7,822	7,816	7,746	7,700	7,863	7,939	8,029	
33	Military .....	186	188	192	193	194	193	191	2,487	2,461	2,455	2,435	2,452	2,410	2,408	
34	State and local .....	10,141	10,197	10,287	10,568	10,282	10,695	10,788	35,725	36,293	36,729	36,513	37,329	37,358	37,629	

Line	Item	Missouri									Nebraska					
		1997				1998					1997				1998	
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	
<b>Income by Place of Residence</b>																
1	Personal income (lines 4-11) .....	126,407	127,403	128,724	130,068	131,682	132,912	134,052	38,546	39,103	39,473	39,656	39,927	40,572	40,959	
2	Nonfarm personal income .....	125,311	126,274	127,608	129,034	130,733	131,956	133,174	36,978	37,437	37,858	38,254	38,623	39,247	39,694	
3	Farm income (line 17) .....	1,096	1,129	1,116	1,035	950	956	879	1,568	1,666	1,616	1,402	1,305	1,325	1,265	
<b>Derivation of Personal Income</b>																
4	Earnings by place of work (lines 12-16 or 17-34) .....	91,208	91,860	92,944	94,178	95,515	96,491	97,407	28,460	28,883	29,135	29,244	29,442	30,075	30,428	
5	Less: Personal contributions for social insurance <sup>2</sup> .....	6,242	6,283	6,359	6,446	6,575	6,636	6,698	2,035	2,058	2,081	2,105	2,131	2,175	2,204	
6	Plus: Adjustment for residence <sup>3</sup> .....	-3,411	-3,364	-3,396	-3,422	-3,469	-3,480	-3,499	-534	-533	-539	-540	-542	-559	-569	
7	Equals: Net earnings by place of residence .....	81,554	82,213	83,188	84,310	85,471	86,375	87,210	25,890	26,293	26,515	26,599	26,769	27,341	27,655	
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	23,182	23,324	23,453	23,531	23,610	23,777	23,953	6,906	7,024	7,126	7,189	7,200	7,232	7,267	
9	Plus: Transfer payments .....	21,671	21,866	22,084	22,227	22,601	22,759	22,889	5,749	5,786	5,833	5,869	5,959	5,999	6,037	
10	State unemployment insurance benefits .....	263	246	262	240	263	290	281	45	40	45	43	41	46	47	
11	Transfers excluding State unemployment insurance benefits .....	21,408	21,620	21,822	21,988	22,338	22,469	22,608	5,704	5,747	5,788	5,825	5,919	5,953	5,990	
<b>Earnings by Place of Work</b>																
Components of earnings:																
12	Wage and salary disbursements .....	74,027	74,581	75,542	76,715	77,952	78,796	79,654	21,952	22,190	22,426	22,708	22,902	23,410	23,760	
13	Other labor income .....	8,105	8,083	8,123	8,173	8,259	8,307	8,327	2,344	2,331	2,325	2,325	2,329	2,374	2,395	
14	Proprietors' income <sup>5</sup> .....	9,075	9,195	9,279	9,289	9,304	9,388	9,426	4,164	4,363	4,384	4,210	4,211	4,291	4,274	
15	Farm proprietors' income .....	895	928	915	833	743	741	655	1,284	1,383	1,334	1,123	1,018	1,026	955	
16	Nonfarm proprietors' income .....	8,180	8,266	8,363	8,456	8,561	8,647	8,770	2,880	2,980	3,050	3,088	3,193	3,264	3,319	
<b>Earnings by Industry</b>																
17	Farm earnings .....	1,096	1,129	1,116	1,035	950	956	879	1,568	1,666	1,616	1,402	1,305	1,325	1,265	
18	Nonfarm earnings .....	90,111	90,730	91,828	93,143	94,565	95,536	96,528	26,891	27,217	27,519	27,841	28,137	28,750	29,163	
19	Private earnings .....	77,594	78,073	79,124	80,474	81,575	82,404	83,363	22,277	22,560	22,859	23,195	23,429	23,992	24,352	
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	434	451	463	468	479	512	526	267	281	297	299	311	325	334	
21	Mining .....	229	241	240	244	256	285	259	67	65	64	65	64	66	67	
22	Construction .....	5,970	5,958	5,983	6,091	6,119	6,194	6,451	1,617	1,711	1,707	1,660	1,838	1,935	1,962	
23	Manufacturing .....	17,898	17,718	18,151	18,504	18,289	18,484	18,360	3,978	4,085	4,177	4,300	4,199	4,340	4,364	
24	Durable goods .....	9,973	9,995	10,163	10,471	10,358	10,519	10,347	1,994	2,050	2,078	2,162	2,128	2,152	2,143	
25	Non-durable goods .....	7,925	7,722	7,989	8,033	7,932	7,965	8,013	1,984	2,035	2,098	2,168	2,071	2,188	2,221	
26	Transportation and public utilities .....	7,728	7,674	7,743	7,856	7,914	7,865	7,855	2,980	2,741	2,742	2,751	2,651	2,684	2,733	
27	Wholesale trade .....	6,250	6,334	6,364	6,466	6,537	6,668	6,779	1,843	1,875	1,885	1,958	1,975	1,991	2,013	
28	Retail trade .....	8,501	8,596	8,7												

and Earnings by Industry, 1997:I-1998:III —Continued  
adjusted at annual rates]

Iowa				Kansas									Minnesota									Line
1997				1998			1997				1998			1997				1998				
I	II	III	IV	I'	II'	III'	I	II	III	IV	I'	II'	III'	I	II	III	IV	I'	II'	III'		
65,011	65,973	66,344	67,110	67,432	68,006	68,277	60,909	62,031	62,753	63,555	64,265	65,196	65,993	120,635	122,568	124,079	125,545	128,416	129,582	130,956	1	
61,633	62,656	63,199	64,413	64,997	65,691	66,253	59,666	60,735	61,463	62,348	63,099	63,986	64,803	119,406	121,377	122,948	124,484	127,492	128,685	130,114	2	
3,378	3,318	3,145	2,697	2,435	2,315	2,024	1,243	1,296	1,290	1,207	1,165	1,210	1,190	1,228	1,191	1,131	1,060	925	898	842	3	
46,133	47,011	47,236	47,985	48,203	48,705	48,883	42,342	43,400	43,997	44,752	45,304	46,171	46,867	90,946	92,827	94,267	95,664	98,509	99,588	100,822	4	
3,251	3,321	3,348	3,439	3,488	3,532	3,565	3,031	3,105	3,148	3,206	3,263	3,323	3,374	6,531	6,673	6,763	6,881	7,129	7,204	7,294	5	
306	294	301	283	291	298	305	1,208	1,161	1,168	1,166	1,183	1,167	1,161	-803	-827	-842	-860	-910	-931	-946	6	
43,188	43,964	44,189	44,828	45,006	45,471	45,623	40,519	41,456	42,018	42,711	43,224	44,016	44,654	83,613	85,327	86,641	87,923	90,470	91,453	92,583	7	
11,633	11,769	11,867	11,961	11,980	12,042	12,108	11,181	11,302	11,409	11,472	11,526	11,633	11,745	20,146	20,308	20,452	20,541	20,598	20,741	20,893	8	
10,189	10,221	10,268	10,321	10,445	10,493	10,546	9,209	9,273	9,326	9,372	9,514	9,547	9,584	16,876	16,934	16,986	17,080	17,348	17,368	17,480	9	
191	175	173	177	162	158	155	142	143	136	128	142	127	124	379	366	343	359	373	318	311	10	
9,998	10,046	10,096	10,143	10,283	10,335	10,391	9,068	9,130	9,191	9,244	9,372	9,420	9,470	16,497	16,567	16,643	16,721	16,975	17,070	17,170	11	
34,830	35,595	35,900	36,937	37,319	37,845	38,259	33,245	34,088	34,579	35,287	35,772	36,484	37,107	74,907	76,641	77,995	79,291	81,832	82,815	83,984	12	
3,810	3,855	3,847	3,919	3,944	3,978	3,991	3,665	3,724	3,742	3,786	3,810	3,869	3,910	7,733	7,823	7,874	7,922	8,154	8,213	8,255	13	
7,493	7,560	7,489	7,129	6,941	6,882	6,832	5,432	5,588	5,678	5,678	5,721	5,819	5,850	8,307	8,363	8,398	8,452	8,523	8,560	8,583	14	
3,094	3,033	2,861	2,412	2,143	2,012	1,709	975	1,029	1,025	943	895	928	898	837	802	741	667	521	478	406	15	
4,399	4,527	4,628	4,717	4,797	4,870	4,923	4,457	4,559	4,651	4,735	4,826	4,890	4,952	7,470	7,561	7,656	7,786	8,002	8,082	8,177	16	
3,378	3,318	3,145	2,697	2,435	2,315	2,024	1,243	1,296	1,290	1,207	1,165	1,210	1,190	1,228	1,191	1,131	1,060	925	898	842	17	
42,755	43,693	44,091	45,288	45,769	46,390	46,859	41,098	42,104	42,707	43,544	44,139	44,962	45,676	89,718	91,636	93,136	94,604	97,584	98,691	99,980	18	
35,941	36,879	37,252	38,409	38,725	39,356	39,797	34,210	35,064	35,615	36,400	37,007	37,681	38,306	78,012	79,757	81,018	82,813	85,402	86,788	87,918	19	
336	348	357	365	385	396	406	266	271	281	287	290	307	316	387	399	415	422	427	465	477	20	
82	85	89	91	92	91	83	436	454	444	452	457	436	440	448	462	460	478	448	484	477	21	
2,758	2,854	2,857	2,914	2,956	3,039	3,082	2,546	2,637	2,658	2,719	2,801	2,852	2,928	5,187	5,305	5,392	5,705	6,088	6,071	6,151	22	
9,615	9,841	9,964	10,449	10,455	10,464	10,455	7,885	8,171	8,345	8,650	8,576	8,779	8,946	19,605	19,767	19,956	20,516	20,950	21,061	21,077	23	
5,946	6,096	6,196	6,510	6,502	6,444	6,378	5,033	5,242	5,398	5,654	5,529	5,659	5,798	11,446	11,736	11,751	12,164	12,508	12,573	12,333	24	
3,669	3,745	3,768	3,939	3,953	4,021	4,078	2,852	2,929	2,947	2,996	3,047	3,120	3,148	8,159	8,031	8,205	8,352	8,442	8,489	8,744	25	
2,762	2,831	2,854	2,881	2,954	3,020	3,045	3,471	3,411	3,423	3,478	3,504	3,493	3,511	5,880	6,011	6,157	6,177	6,456	6,579	6,464	26	
3,071	3,160	3,174	3,267	3,200	3,179	3,202	3,171	3,201	3,256	3,342	3,418	3,433	3,473	7,127	7,281	7,392	7,575	7,599	7,718	7,825	27	
4,244	4,275	4,340	4,404	4,535	4,592	4,652	4,198	4,278	4,356	4,398	4,509	4,584	4,681	8,213	8,346	8,453	8,624	8,940	8,990	9,227	28	
3,179	3,373	3,375	3,562	3,479	3,683	3,746	2,476	2,601	2,633	2,669	2,708	2,793	2,815	7,370	7,823	7,969	7,967	8,493	8,991	9,184	29	
9,895	10,112	10,242	10,477	10,668	10,892	11,115	9,760	10,041	10,218	10,404	10,743	11,004	11,197	23,796	24,362	24,823	25,348	26,000	26,427	27,037	30	
6,814	6,814	6,839	6,879	6,877	7,044	7,033	7,062	6,888	7,040	7,092	7,145	7,132	7,280	7,370	11,706	11,879	12,118	11,792	12,182	12,062	31	
854	847	835	835	851	871	876	1,149	1,142	1,150	1,157	1,169	1,190	1,204	1,558	1,555	1,546	1,555	1,578	1,586	1,612	32	
126	127	129	131	133	132	131	667	663	659	657	675	661	668	196	195	196	194	194	194	192	33	
5,834	5,840	5,875	5,914	6,060	6,030	6,055	5,072	5,234	5,284	5,331	5,288	5,429	5,498	9,952	10,129	10,376	10,042	10,410	10,123	10,258	34	

North Dakota				South Dakota									Southeast									Line
1997				1998			1997				1998			1997				1998				
I	II	III	IV	I'	II'	III'	I	II	III	IV	I'	II'	III'	I	II	III	IV	I'	II'	III'		
12,720	12,901	13,050	13,146	13,242	13,289	13,374	15,260	15,634	15,828	15,808	15,942	16,109	16,170	1,458,543	1,473,455	1,489,403	1,507,310	1,526,389	1,547,470	1,564,898	1	
12,504	12,672	12,786	12,923	13,099	13,130	13,225	14,378	14,661	14,853	15,039	15,232	15,414	15,521	1,444,754	1,459,251	1,475,788	1,494,950	1,515,469	1,536,044	1,554,397	2	
216	229	265	223	143	159	149	881	974	975	768	710	695	650	13,789	14,204	13,615	12,359	10,920	11,426	10,501	3	
8,952	9,113	9,254	9,345	9,411	9,440	9,492	10,858	11,198	11,346	11,300	11,402	11,548	11,577	1,000,669	1,012,920	1,026,162	1,042,789	1,056,964	1,075,114	1,089,479	4	
713	724	731	740	754	755	759	780	801	812	823	838	851	856	68,995	69,768	70,688	71,872	73,239	74,399	75,403	5	
-286	-290	-294	-299	-299	-297	-298	-168	-174	-176	-179	-181	-184	-185	5,851	5,753	5,914	5,791	6,025	6,070	6,054	6	
7,953	8,100	8,229	8,306	8,358	8,388	8,435	9,910	10,223	10,536	10,298	10,363	10,513	10,536	937,524	948,905	961,388	976,790	989,750	1,006,785	1,020,131	7	
2,317	2,323	2,329	2,332	2,338	2,353	2,370	2,686	2,743	2,792	2,822	2,829	2,849	2,870	253,228	254,705	256,051	256,875	257,859	259,971	262,204	8	
2,450	2,478	2,493	2,507	2,547	2,548	2,570	2,664	2,668	2,678	2,688	2,730	2,747	2,765	267,790	269,844	271,965	273,726	278,780	280,715	282,564	9	
31	35	28	25	30	18	26	16	14	16	15	14	15	15	3,067	2,995	2,998	2,858	2,964	3,050	2,942	10	
2,419	2,443	2,465	2,482	2,517	2,530	2,544	2,648	2,654	2,662	2,672	2,716	2,732	2,749	264,723	266,850	268,966	270,868	275,816	277,665	279,622	11	
7,148	7,267	7,352	7,459	7,574	7,588	7,643	7,703	7,900	8,002	8,123	8,238	8,378	8,439	815,602	825,862	837,857	853,674	866,792	881,927	895,306	12	
676	682	680	683	692	690	690	856	868	869	872	884	893	893	85,461	85,563	85,744	86,437	87,340	88,390	89,080	13	
1,129	1,164	1,221	1,204	1,145	1,162	1,159	2,299	2,430	2,475	2,305	2,280	2,278	2,245	99,605	101,495	102,561	102,679	102,832	104,397	105,093	14	
104	118	155	114	31	42	27	774	867	869	663	602	583	532	10,928	11,339	10,761	9,533	8,022	8,410	7,369	15	
1,024	1,046	1,067	1,090	1,114	1,120	1,132	1,525	1,563	1,606	1,643	1,679	1,695	1,712	88,677	90,156	91,800	93,146	94,810	96,387	97,724	16	
216	229	265	223	143	159	149	881	974	975	768	710	695	650	13,789	14,204	13,615	12,359	10,920	11,426	10,501	17	
8,737	8,88																					

Table 2.—Personal Income by Major Source

[Millions of dollars, seasonally]

Line	Item	Alabama									Arkansas								
		1997				1998					1997				1998				
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>				
<b>Income by Place of Residence</b>																			
1	Personal income (lines 4-11) .....	88,320	88,980	89,630	90,682	91,487	92,488	93,474	48,605	49,280	49,646	50,281	50,789	51,124	51,436				
2	Nonfarm personal income .....	87,188	87,832	88,593	89,776	90,668	91,605	92,643	46,858	47,476	47,933	48,773	49,489	49,723	50,170				
3	Farm income (line 17) .....	1,131	1,148	1,037	907	820	883	831	1,747	1,804	1,713	1,508	1,301	1,400	1,265				
<b>Derivation of Personal Income</b>																			
4	Earnings by place of work (lines 12-16 or 17-34) .....	61,577	62,040	62,505	63,444	63,888	64,664	65,469	33,869	34,453	34,703	35,320	35,689	35,870	36,041				
5	Less: Personal contributions for social insurance <sup>2</sup> .....	4,499	4,530	4,573	4,650	4,705	4,752	4,812	2,317	2,352	2,375	2,434	2,488	2,499	2,509				
6	Plus: Adjustment for residence <sup>3</sup> .....	694	708	721	737	762	782	787	-328	-337	-332	-348	-364	-345	-346				
7	Equals: Net earnings by place of residence .....	57,771	58,218	58,653	59,531	59,945	60,694	61,444	31,223	31,764	31,995	32,537	32,837	33,036	33,186				
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	12,435	12,485	12,533	12,560	12,615	12,729	12,850	7,080	7,136	7,186	7,215	7,247	7,315	7,387				
9	Plus: Transfer payments .....	18,114	18,277	18,444	18,591	18,927	19,065	19,181	10,302	10,381	10,465	10,529	10,706	10,773	10,863				
10	State unemployment insurance benefits .....	208	200	201	207	210	224	208	199	199	197	187	189	191	212				
11	Transfers excluding State unemployment insurance benefits .....	17,906	18,077	18,242	18,384	18,717	18,841	18,973	10,094	10,182	10,268	10,342	10,517	10,582	10,651				
<b>Earnings by Place of Work</b>																			
Components of earnings:																			
12	Wage and salary disbursements .....	49,850	50,223	50,720	51,664	52,075	52,669	53,421	25,988	26,395	26,665	27,374	27,872	27,921	28,189				
13	Other labor income .....	5,352	5,342	5,336	5,387	5,400	5,434	5,474	2,869	2,888	2,885	2,935	2,962	2,958	2,965				
14	Proprietors' income <sup>5</sup> .....	6,375	6,476	6,449	6,393	6,413	6,561	6,574	5,012	5,170	5,183	5,011	4,855	4,991	4,887				
15	Farm proprietors' income .....	997	1,011	900	771	681	739	681	1,516	1,576	1,486	1,281	1,069	1,159	1,015				
16	Nonfarm proprietors' income .....	5,378	5,464	5,549	5,622	5,732	5,821	5,892	3,495	3,594	3,667	3,729	3,786	3,832	3,873				
<b>Earnings by Industry</b>																			
17	Farm earnings .....	1,131	1,148	1,037	907	820	883	831	1,747	1,804	1,713	1,508	1,301	1,400	1,265				
18	Nonfarm earnings .....	60,445	60,892	61,468	62,538	63,669	63,780	64,637	32,122	32,449	32,990	33,812	34,389	34,700	34,776				
19	Private earnings .....	49,313	49,775	50,269	51,179	51,905	52,428	53,155	26,983	27,491	27,767	28,469	29,129	29,110	29,352				
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	338	340	351	353	373	391	403	242	247	257	266	282	284	292				
21	Mining .....	632	638	632	616	614	617	614	169	177	177	181	184	179	178				
22	Construction .....	3,858	3,891	3,904	3,962	4,061	4,194	4,286	1,925	2,012	2,033	2,086	2,114	2,160	2,204				
23	Manufacturing .....	13,312	13,432	13,381	13,831	13,784	13,840	13,961	7,603	7,732	7,744	8,081	8,025	8,072	8,060				
24	Durable goods .....	7,431	7,511	7,432	7,737	7,776	7,716	7,819	4,212	4,285	4,264	4,508	4,473	4,491	4,511				
25	Nondurable goods .....	5,882	5,921	5,949	6,094	6,008	6,124	6,142	3,391	3,447	3,479	3,574	3,551	3,581	3,549				
26	Transportation and public utilities .....	4,074	4,051	4,123	4,197	4,178	4,187	4,219	2,746	2,807	2,852	2,898	2,964	2,930	2,941				
27	Wholesale trade .....	3,518	3,575	3,606	3,692	3,699	3,782	3,808	1,727	1,772	1,789	1,790	1,875	1,880	1,904				
28	Retail trade .....	5,907	5,956	6,028	6,154	6,212	6,298	6,403	3,805	3,766	3,811	3,893	4,243	4,117	4,171				
29	Finance, insurance, and real estate .....	3,459	3,535	3,680	3,632	3,748	3,799	3,865	1,634	1,686	1,673	1,709	1,795	1,777	1,778				
30	Services .....	14,215	14,356	14,565	14,743	15,237	15,320	15,597	7,132	7,292	7,433	7,565	7,647	7,710	7,824				
31	Government and government enterprises .....	11,132	11,117	11,199	11,359	11,164	11,353	11,482	5,399	5,157	5,223	5,344	5,260	5,359	5,424				
32	Federal, civilian .....	2,584	2,556	2,531	2,533	2,542	2,557	2,569	905	895	890	899	922	928	934				
33	Military .....	846	835	840	839	847	833	835	283	285	286	288	298	296	289				
34	State and local .....	7,701	7,726	7,828	7,987	7,775	7,963	8,078	3,950	3,977	4,047	4,157	4,040	4,135	4,202				

Line	Item	Louisiana									Mississippi								
		1997				1998					1997				1998				
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>				
<b>Income by Place of Residence</b>																			
1	Personal income (lines 4-11) .....	87,634	88,603	89,315	90,825	91,901	93,191	94,153	48,574	49,183	49,548	50,240	50,893	51,383	51,913				
2	Nonfarm personal income .....	87,132	88,098	88,781	90,360	91,458	92,735	93,701	47,842	48,446	48,818	49,602	50,287	50,763	51,289				
3	Farm income (line 17) .....	501	505	535	465	443	455	453	732	737	730	638	607	619	624				
<b>Derivation of Personal Income</b>																			
4	Earnings by place of work (lines 12-16 or 17-34) .....	60,136	61,086	61,727	63,258	64,042	65,187	65,938	32,654	33,212	33,471	34,126	34,594	34,922	35,330				
5	Less: Personal contributions for social insurance <sup>2</sup> .....	3,977	4,036	4,072	4,180	4,247	4,319	4,365	2,520	2,567	2,588	2,649	2,698	2,719	2,747				
6	Plus: Adjustment for residence <sup>3</sup> .....	-173	-175	-172	-185	-175	-189	-191	1,014	1,022	1,045	1,065	1,064	1,104	1,114				
7	Equals: Net earnings by place of residence .....	55,985	56,875	57,483	58,893	59,620	60,679	61,383	31,148	31,667	31,928	32,543	32,960	33,306	33,697				
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	12,882	12,934	12,982	13,011	13,056	13,164	13,277	6,126	6,161	6,193	6,211	6,237	6,294	6,353				
9	Plus: Transfer payments .....	18,766	18,794	18,851	18,921	19,225	19,347	19,493	11,300	11,355	11,422	11,486	11,696	11,782	11,863				
10	State unemployment insurance benefits .....	145	126	124	120	116	124	148	128	118	122	113	110	117	114				
11	Transfers excluding State unemployment insurance benefits .....	18,621	18,668	18,727	18,801	19,109	19,224	19,346	11,172	11,237	11,305	11,373	11,586	11,665	11,749				
<b>Earnings by Place of Work</b>																			
Components of earnings:																			
12	Wage and salary disbursements .....	48,133	48,964	49,498	50,936	51,557	52,509	53,151	26,024	26,497	26,706	27,371	27,777	28,036	28,372				
13	Other labor income .....	5,304	5,318	5,307	5,395	5,438	5,513	5,541	2,854	2,873	2,866	2,905	2,933	2,947	2,963				
14	Proprietors' income <sup>5</sup> .....	6,698	6,804	6,922	6,927	7,047	7,164	7,247	3,776	3,842	3,899	3,850	3,834	3,938	3,995				
15	Farm proprietors' income .....	344	349	380	310	285	290	281	558	565	559	468	431	437	435				
16	Nonfarm proprietors' income .....	6,354	6,455	6,543	6,617	6,762	6,874	6,966	3,217	3,277	3,340	3,382	3,452	3,501	3,560				
<b>Earnings by Industry</b>																			
17	Farm earnings .....	501	505	535	465	443	455	453	732	737	730	638	607	619	624				
18	Nonfarm earnings .....	59,634	60,581	61,193	62,793	63,599	64,732	65,486	31,922	32,475	32,740	33,488	33,988	34,303	34,706				
19	Private earnings .....	49,349	50,219	50,739	52,274	52,891	54,002	54,667	25,659	26,165	26,344	27,089	27,403	27,698	27,967				
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	293	302	310	328	326	344	353	214	211	214	227	241	254	261				
21	Mining .....	3,109	3,128	3,200	3,371	3,590	3,393	3,361	276	300	300	317	323	327	324				
22	Construction .....	4,347	4,499	4,555	4,692	5,044	5,384	5,552	1,910	1,969	2,068	2,149	2,241	2,319	2,445				
23	Manufacturing .....	8,340	8,428	8,582	8,908	8,854	8,928	8,988	7,129	7,223	7,201	7,472	7,540	7,534	7,515				
24	Durable goods .....	3,381	3,486	3,545	3,805	3,765	3,776	3,829	4,401	4,468	4,474	4,675	4,743	4,724	4,702				
25	Nondurable goods .....	4,960	4,942	5,037	5,102	5,088	5,152	5,159	2,756	2,756	2,754	2,797	2,798	2,810	2,813				
26	Transportation and public utilities .....	4,663	4,769	4,853	5,042	4,939	5,038	5,073	2,200	2,224	2,284	2,319	2,261	2,310	2,293				
27	Wholesale trade .....	3,352	3,441	3,493	3,601	3,632	3,699	3,757	1,534	1,565	1,587	1,648	1,707	1,744	1,751				
28	Retail trade .....	5,683	5,711	5,763	5,899	6,083	6,092	6,167	3,361	3,387	3,436	3,506	3,587	3,598	3,637				
29	Finance, insurance, and real estate .....	3,138	3,282	3,264	3,343	3,212	3,485	3,517	1,457	1,542	1,514	1,548	1,542	1,643	1,664				
30	Services .....</																		







and Earnings by Industry, 1997:I-1998:III —Continued

adjusted at annual rates]

Table with 21 columns: Southwest (1997, 1998), Arizona (1997, 1998), New Mexico (1997, 1998), and Line. Contains financial data for various industries in these states.

Table with 21 columns: Rocky Mountain (1997, 1998), Colorado (1997, 1998), Idaho (1997, 1998), and Line. Contains financial data for various industries in these states.

Table 2.—Personal Income by Major Source

[Millions of dollars, seasonally]

Line	Item	Montana						Utah							
		1997				1998		1997				1998			
		I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>p</sup>
<b>Income by Place of Residence</b>															
1	Personal income (lines 4-11) .....	17,042	17,226	17,392	17,603	17,800	18,104	17,985	40,785	41,423	42,109	42,440	43,006	43,777	44,350
2	Nonfarm personal income .....	16,711	16,889	17,052	17,258	17,464	17,739	17,613	40,600	41,229	41,912	42,256	42,828	43,595	44,170
3	Farm income (line 17) .....	331	337	340	345	335	366	372	185	194	197	184	178	182	181
<b>Derivation of Personal Income</b>															
4	Earnings by place of work (lines 12-16 or 17-34) .....	11,134	11,279	11,409	11,598	11,732	12,021	11,837	31,767	32,366	33,016	33,301	33,773	34,489	34,985
5	Less: Personal contributions for social insurance <sup>2</sup> .....	909	921	931	945	958	983	963	2,105	2,143	2,187	2,203	2,242	2,288	2,319
6	Plus: Adjustment for residence <sup>3</sup> .....	-10	-9	-9	-10	-10	-11	-8	7	7	5	7	9	8	9
7	Equals: Net earnings by place of residence .....	10,216	10,348	10,469	10,643	10,765	11,027	10,866	29,669	30,230	30,834	31,106	31,540	32,210	32,676
8	Plus: Dividends, interest, and rent <sup>4</sup> .....	3,349	3,375	3,398	3,413	3,423	3,447	3,471	5,477	5,513	5,546	5,565	5,586	5,658	5,725
9	Plus: Transfer payments .....	4,777	3,502	3,525	3,547	3,612	3,630	3,648	5,639	5,681	5,729	5,770	5,869	5,909	5,950
10	State unemployment insurance benefits .....	69	64	59	56	64	62	57	73	72	78	81	82	85	88
11	Transfers excluding State unemployment insurance benefits .....	3,409	3,438	3,467	3,491	3,547	3,568	3,590	5,566	5,609	5,651	5,689	5,787	5,824	5,863
<b>Earnings by Place of Work</b>															
Components of earnings:															
12	Wage and salary disbursements .....	8,359	8,476	8,568	8,715	8,797	9,042	8,873	25,919	26,427	27,001	27,253	27,623	28,230	28,661
13	Other labor income .....	898	901	900	905	911	936	903	2,689	2,712	2,736	2,733	2,759	2,800	2,824
14	Proprietors' income <sup>5</sup> .....	1,877	1,902	1,941	1,978	2,024	2,043	2,061	3,159	3,227	3,280	3,315	3,391	3,459	3,499
15	Farm proprietors' income .....	185	187	187	191	177	201	201	89	95	96	81	73	73	67
16	Nonfarm proprietors' income .....	1,692	1,715	1,754	1,787	1,847	1,842	1,861	3,070	3,133	3,183	3,234	3,317	3,386	3,432
<b>Earnings by Industry</b>															
17	Farm earnings .....	331	337	340	345	335	366	372	185	194	197	184	178	182	181
18	Nonfarm earnings .....	10,803	10,942	11,069	11,253	11,397	11,655	11,465	31,582	32,172	32,819	33,118	33,594	34,307	34,804
19	Private earnings .....	8,637	8,739	8,855	9,019	9,164	9,378	9,189	26,344	26,850	27,377	27,706	28,115	28,687	29,101
20	Agricultural services, forestry, fishing, and other <sup>6</sup> .....	90	93	99	102	107	110	113	120	128	132	138	132	140	146
21	Mining .....	288	299	297	303	282	276	273	448	465	449	451	454	444	434
22	Construction .....	816	840	899	947	1,037	967	971	2,546	2,623	2,611	2,645	2,713	2,807	2,829
23	Manufacturing .....	835	865	860	891	911	1,131	862	4,709	4,795	4,879	4,964	4,961	4,956	5,050
24	Durable goods .....	525	552	543	565	567	802	562	3,350	3,370	3,420	3,501	3,513	3,492	3,592
25	Nondurable goods .....	310	314	316	326	323	329	300	1,359	1,424	1,458	1,464	1,447	1,464	1,458
26	Transportation and public utilities .....	989	944	924	907	911	887	872	2,349	2,381	2,459	2,506	2,528	2,502	2,517
27	Wholesale trade .....	581	594	597	613	623	616	626	1,809	1,861	1,889	1,927	1,978	2,003	2,010
28	Retail trade .....	1,398	1,414	1,429	1,462	1,456	1,473	1,489	3,437	3,490	3,642	3,624	3,629	3,705	3,753
29	Finance, insurance, and real estate .....	603	624	635	641	674	694	704	2,342	2,415	2,435	2,465	2,464	2,684	2,717
30	Services .....	3,036	3,066	3,116	3,152	3,184	3,224	3,279	6,585	6,692	6,882	6,985	7,255	7,467	7,645
31	Government and government enterprises .....	2,166	2,203	2,213	2,234	2,232	2,277	2,276	5,238	5,322	5,442	5,412	5,480	5,620	5,703
32	Federal, civilian .....	535	534	526	533	552	556	552	1,318	1,321	1,317	1,321	1,365	1,377	1,378
33	Military .....	150	149	150	150	153	151	153	258	254	254	251	252	251	252
34	State and local .....	1,481	1,521	1,537	1,550	1,528	1,570	1,571	3,662	3,746	3,871	3,837	3,863	3,992	4,073

<sup>p</sup> Preliminary.  
<sup>r</sup> Revised.  
 1. The estimates of earnings for 1997-98 are based on the 1987 Standard Industrial Classification.  
 2. Personal contributions for social insurance are included in earnings by type and by industry, but they are excluded from personal income.  
 3. The adjustment for residence is the net inflow of the earnings of interarea commuters. For the United States, it consists of adjustments for border workers and for certain temporary and migratory workers: Wage and salary

disbursements to U.S. residents commuting or working temporarily outside U.S. borders less wage and salary disbursements to foreign residents commuting or working temporarily inside U.S. borders.  
 4. Rental income of persons includes the capital consumption adjustment.  
 5. Proprietors' income includes the inventory valuation adjustment and the capital consumption adjustment.  
 6. "Other" consists of the wage and salary disbursements of U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

and Earnings by Industry, 1997:II-1998:III —Continued  
adjusted at annual rates]

Wyoming				Far West												Alaska						Line		
1997				1998				1997				1998				1997				1998				
I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	IV <sup>r</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>	III <sup>r</sup>	IV <sup>r</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>r</sup>		III <sup>r</sup>	IV <sup>r</sup>
10,734	10,787	10,905	10,965	11,089	11,161	11,315	1,138,403	1,156,030	1,171,168	1,183,167	1,203,772	1,215,753	1,232,287	14,986	15,229	15,230	15,352	15,763	15,698	15,828	1			
10,623	10,676	10,793	10,857	10,985	11,050	11,211	1,129,644	1,147,066	1,162,189	1,174,663	1,195,621	1,207,201	1,223,746	14,974	15,217	15,219	15,342	15,753	15,687	15,818	2			
110	111	112	108	104	111	105	8,759	8,965	8,978	8,504	8,151	8,552	8,541	11	11	11	10	10	10	10	3			
7,230	7,267	7,379	7,426	7,516	7,556	7,693	814,494	831,099	844,898	855,772	874,426	884,063	898,895	11,812	12,030	11,970	12,076	12,478	12,342	12,480	4			
504	505	512	514	522	523	533	55,498	56,469	57,255	57,891	59,462	60,050	61,038	845	861	857	864	897	886	895	5			
-20	-19	-19	-18	-17	-15	-18	-2,182	-2,252	-2,288	-2,327	-2,411	-2,462	-774	-790	-786	-795	-821	-812	-822	-826	6			
6,705	6,744	6,848	6,894	6,977	7,018	7,142	756,814	772,378	785,954	795,554	812,587	821,602	835,394	10,193	10,379	10,327	10,417	10,760	10,644	10,764	7			
2,311	2,315	2,320	2,324	2,333	2,352	2,373	205,052	206,515	207,836	208,632	209,316	211,141	213,060	1,937	1,939	1,942	1,944	1,950	1,965	1,980	8			
1,718	1,728	1,737	1,747	1,778	1,790	1,800	176,537	177,138	177,977	178,980	181,870	183,010	183,832	2,855	2,911	2,961	2,992	3,053	3,089	3,084	9			
31	29	26	26	27	28	26	4,318	4,085	4,040	4,156	4,248	4,343	4,059	95	96	97	91	103	120	96	10			
1,687	1,699	1,711	1,721	1,751	1,762	1,774	172,219	173,053	173,937	174,824	177,622	178,667	179,773	2,760	2,814	2,864	2,900	2,950	2,968	2,988	11			
5,630	5,651	5,741	5,785	5,849	5,867	5,989	640,955	654,929	666,392	676,197	691,942	699,730	712,447	9,496	9,675	9,613	9,708	10,036	9,927	10,042	12			
553	549	549	547	550	550	558	63,489	64,143	64,624	64,846	66,105	66,916	67,151	981	996	982	983	1,016	996	1,002	13			
1,047	1,067	1,088	1,095	1,117	1,140	1,146	110,510	112,027	113,881	114,729	116,378	117,917	119,296	1,335	1,360	1,375	1,385	1,426	1,419	1,436	14			
35	34	34	29	23	26	17	3,395	3,617	3,667	3,238	2,752	2,934	2,705	8	8	8	7	6	7	6	15			
1,012	1,034	1,054	1,066	1,094	1,113	1,130	106,654	108,410	110,214	111,491	113,626	114,982	116,590	1,327	1,352	1,367	1,378	1,420	1,413	1,430	16			
110	111	112	108	104	111	105	8,759	8,965	8,978	8,504	8,151	8,552	8,541	11	11	11	10	10	10	10	17			
7,119	7,157	7,267	7,318	7,412	7,446	7,588	805,735	822,134	835,919	847,269	866,275	875,511	890,354	11,801	12,019	11,959	12,065	12,469	12,332	12,470	18			
5,494	5,525	5,622	5,681	5,746	5,773	5,888	679,698	695,903	708,736	719,271	735,654	744,847	758,287	8,165	8,391	8,405	8,529	8,815	8,711	8,833	19			
51	52	55	55	57	61	63	8,004	8,396	8,480	8,547	8,806	8,701	8,912	192	206	199	203	207	209	215	20			
1,123	1,153	1,148	1,186	1,167	1,172	1,195	14,168	14,269	14,320	14,320	14,320	14,320	14,320	3,971	3,985	850	893	889	927	925	21			
394	404	406	407	419	418	432	123,403	126,376	130,482	132,947	135,374	135,062	136,163	616	615	575	584	623	574	575	22			
160	165	164	168	169	169	177	87,048	89,204	92,968	95,052	96,686	96,449	96,589	191	187	189	194	174	161	145	24			
234	238	241	239	250	249	254	36,355	37,172	37,514	37,895	38,688	38,613	39,573	426	428	386	391	449	413	430	25			
683	668	667	667	662	652	652	53,018	54,231	55,446	56,073	57,043	56,993	57,143	1,164	1,225	1,274	1,318	1,340	1,337	1,345	26			
759	742	743	748	768	774	787	76,074	77,348	78,007	79,011	80,835	82,584	83,776	1,143	1,164	1,175	1,192	1,203	1,210	1,221	28			
351	332	328	326	322	353	364	62,117	63,973	65,491	67,036	68,355	71,704	73,084	451	475	476	488	477	496	509	29			
1,356	1,332	1,414	1,427	1,445	1,411	1,440	256,295	262,558	266,083	269,469	276,687	281,010	287,577	2,508	2,546	2,554	2,593	2,654	2,676	2,728	30			
1,625	1,632	1,644	1,637	1,666	1,673	1,700	126,037	126,231	127,183	127,987	130,620	130,664	132,067	3,636	3,628	3,553	3,536	3,654	3,621	3,656	31			
291	295	295	293	296	303	302	20,482	20,369	20,089	20,114	20,355	20,396	20,484	857	847	842	829	841	853	857	32			
133	133	132	132	135	134	134	10,411	10,303	10,263	10,109	10,277	10,162	10,101	823	813	817	818	833	834	840	33			
1,202	1,203	1,218	1,213	1,236	1,236	1,264	95,144	95,559	96,831	97,775	99,989	100,085	101,483	2,156	2,168	2,095	2,090	2,180	2,134	2,139	34			

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the estimate of personal income in the national income and product accounts (NIPA's) because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.

# National Data

## A. Selected NIPA Tables

The tables in this section include the most recent estimates of gross domestic product and its components; these estimates were released on January 29, 1999 and include the "advance" estimates for the fourth quarter of 1998.

The selected set of NIPA tables shown in this section presents quarterly estimates, which are updated monthly. In most tables, the annual estimates are also shown. Most of the "annual only" NIPA tables were presented in the August 1998 SURVEY OF CURRENT BUSINESS; table 8.26 was presented in the September 1998 SURVEY; and the remaining "annual only" tables—tables 3.15–3.20 and 9.1–9.6—were presented in the October 1998 SURVEY.

The news release on gross domestic product (GDP) is available at the time of release, and the "Selected NIPA Tables" are available later that day, on STAT-USA's Economic Bulletin Board and Internet services; for information, call STAT-USA on 202-482-1986. In addition, the GDP news release is available the afternoon of the day of the release, and the "Selected NIPA Tables" a day or two later, on BEA's Web site <www.bea.doc.gov>.

The "Selected NIPA Tables" are also available on printouts or diskettes from BEA. To order NIPA subscription products using Visa or MasterCard, call the BEA Order Desk at 1-800-704-0415 (outside the United States, 202-606-9666).

NOTE.—Beginning in late October 1999, BEA plans to release the results of an upcoming comprehensive revision of the NIPAs. For more information, see the box on page 7.

### 1. National Product and Income

**Table 1.1.—Gross Domestic Product**

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product</b>	<b>8,110.9</b>	<b>8,508.9</b>	<b>8,170.8</b>	<b>8,254.5</b>	<b>8,384.2</b>	<b>8,440.6</b>	<b>8,537.9</b>	<b>8,672.8</b>
<b>Personal consumption expenditures</b>	<b>5,493.7</b>	<b>5,806.0</b>	<b>5,540.3</b>	<b>5,593.2</b>	<b>5,676.5</b>	<b>5,773.7</b>	<b>5,846.7</b>	<b>5,927.1</b>
Durable goods	673.0	723.5	681.2	682.2	705.1	720.1	718.9	749.8
Nondurable goods	1,600.6	1,662.0	1,611.3	1,613.2	1,633.1	1,655.2	1,670.0	1,689.5
Services	3,220.1	3,420.5	3,247.9	3,297.8	3,338.2	3,398.4	3,457.7	3,487.8
<b>Gross private domestic investment</b>	<b>1,256.0</b>	<b>1,369.2</b>	<b>1,265.7</b>	<b>1,292.0</b>	<b>1,366.6</b>	<b>1,345.0</b>	<b>1,364.4</b>	<b>1,400.9</b>
Fixed investment	1,188.6	1,308.8	1,211.1	1,220.1	1,271.1	1,305.8	1,307.5	1,350.9
Nonresidential	860.7	939.4	882.3	882.8	921.3	941.9	931.6	962.9
Structures	240.2	246.8	243.8	246.4	245.0	245.4	246.2	250.6
Producers' durable equipment	620.5	692.6	638.5	636.4	676.3	696.6	685.4	712.3
Residential	327.9	369.4	328.8	337.4	349.8	363.8	375.8	388.1
Change in business inventories	67.4	60.4	54.6	71.9	95.5	39.2	57.0	50.0
<b>Net exports of goods and services</b>	<b>-93.4</b>	<b>-154.1</b>	<b>-94.7</b>	<b>-98.8</b>	<b>-123.7</b>	<b>-159.3</b>	<b>-165.5</b>	<b>-167.8</b>
Exports	965.4	958.5	981.7	988.6	973.3	949.6	936.2	975.1
Goods	688.3	680.3	700.2	708.9	694.5	668.8	663.3	694.6
Services	277.1	278.2	281.5	279.7	278.8	280.8	272.9	280.5
Imports	1,058.8	1,112.6	1,076.4	1,087.4	1,097.1	1,108.9	1,101.7	1,142.9
Goods	888.3	934.7	902.7	912.4	920.9	931.8	924.7	961.4
Services	170.4	177.9	173.6	174.9	176.2	177.1	177.0	181.4
<b>Government consumption expenditures and gross investment</b>	<b>1,454.6</b>	<b>1,487.8</b>	<b>1,459.5</b>	<b>1,468.1</b>	<b>1,464.9</b>	<b>1,481.2</b>	<b>1,492.3</b>	<b>1,512.6</b>
Federal	520.2	520.7	521.0	520.1	511.6	520.7	519.4	531.0
National defense	346.0	340.3	347.1	346.5	331.6	339.8	343.7	346.0
Nondefense	174.3	180.4	173.9	173.6	180.0	180.9	175.7	185.1
State and local	934.4	967.1	938.5	947.9	953.3	960.4	972.9	981.6

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

**Table 1.2.—Real Gross Domestic Product**

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product</b>	<b>7,269.8</b>	<b>7,549.9</b>	<b>7,311.2</b>	<b>7,364.6</b>	<b>7,464.7</b>	<b>7,498.6</b>	<b>7,566.5</b>	<b>7,670.0</b>
<b>Personal consumption expenditures</b>	<b>4,913.5</b>	<b>5,151.2</b>	<b>4,947.0</b>	<b>4,981.0</b>	<b>5,055.1</b>	<b>5,130.2</b>	<b>5,181.8</b>	<b>5,237.8</b>
Durable goods	668.6	735.9	679.6	684.8	710.3	729.4	733.7	770.1
Nondurable goods	1,486.3	1,543.1	1,495.7	1,494.3	1,521.2	1,540.9	1,549.1	1,561.4
Services	2,761.5	2,879.4	2,775.4	2,804.8	2,829.3	2,866.8	2,904.8	2,916.8
<b>Gross private domestic investment</b>	<b>1,206.4</b>	<b>1,332.4</b>	<b>1,215.8</b>	<b>1,241.9</b>	<b>1,321.8</b>	<b>1,306.5</b>	<b>1,331.6</b>	<b>1,369.8</b>
Fixed investment	1,138.0	1,268.9	1,159.3	1,169.5	1,224.9	1,264.1	1,270.9	1,315.6
Nonresidential	859.4	961.8	882.2	886.2	931.9	960.4	958.7	996.5
Structures	203.2	203.0	205.2	205.7	203.1	201.9	202.0	204.8
Producers' durable equipment	660.9	771.6	682.6	686.4	738.8	771.3	769.3	806.8
Residential	282.8	312.1	282.3	287.9	298.5	309.1	316.5	324.2
Change in business inventories	63.2	58.5	51.0	66.5	91.4	38.2	55.7	48.9
<b>Net exports of goods and services</b>	<b>-136.1</b>	<b>-241.4</b>	<b>-142.4</b>	<b>-149.0</b>	<b>-198.5</b>	<b>-245.2</b>	<b>-259.0</b>	<b>-262.9</b>
Exports	970.0	984.2	988.1	998.8	991.9	972.1	965.3	1,007.7
Goods	726.5	742.0	740.6	754.9	748.5	726.3	727.3	766.1
Services	247.0	246.5	251.1	248.6	247.8	248.8	242.1	247.2
Imports	1,106.1	1,225.7	1,130.5	1,147.8	1,190.4	1,217.3	1,224.3	1,270.6
Goods	945.7	1,057.0	966.7	981.8	1,021.0	1,048.8	1,056.3	1,101.8
Services	161.8	171.4	165.2	167.5	171.3	171.0	170.8	172.5
<b>Government consumption expenditures and gross investment</b>	<b>1,285.0</b>	<b>1,297.5</b>	<b>1,288.9</b>	<b>1,289.2</b>	<b>1,283.0</b>	<b>1,294.8</b>	<b>1,299.6</b>	<b>1,312.7</b>
Federal	458.0	453.5	458.9	456.5	446.1	454.1	452.5	461.2
National defense	308.9	300.4	310.2	308.7	293.3	300.3	303.5	304.5
Nondefense	148.6	152.3	148.2	147.3	151.9	152.9	148.4	155.9
State and local	827.1	844.3	830.1	832.9	837.1	840.9	847.3	851.7
Residual	-7.3	-10.8	-8.9	-8.9	-14.2	-8.4	-6.1	-14.1

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Percent changes from preceding period for selected items in this table are shown in table 8.1; contributions to the percent change in real gross domestic product are shown in table 8.2.

Chain-type quantity indexes for the series in this table appear in table 7.1.



Table 1.9.—Relation of Gross Domestic Product, Gross National Product, Net National Product, National Income, and Personal Income

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product</b> .....	<b>8,110.9</b>	<b>8,508.9</b>	<b>8,170.8</b>	<b>8,254.5</b>	<b>8,384.2</b>	<b>8,440.6</b>	<b>8,537.9</b>	<b>8,672.8</b>
Plus: Receipts of factor income from the rest of the world .....	265.5	274.3	266.3	270.3	270.6	265.0	.....	.....
Less: Payments of factor income to the rest of the world .....	273.5	283.0	285.9	285.1	289.3	292.1	.....	.....
<b>Equals: Gross national product</b> .....	<b>8,102.9</b>	<b>8,162.0</b>	<b>8,234.9</b>	<b>8,369.4</b>	<b>8,421.8</b>	<b>8,510.9</b>	.....	.....
Less: Consumption of fixed capital .....	871.8	908.0	877.0	887.6	894.5	902.3	912.3	922.9
Private .....	720.2	753.4	725.2	734.7	741.1	748.5	757.3	766.6
Capital consumption allowances .....	760.5	810.4	765.8	778.2	790.5	803.2	816.8	831.0
Less: Capital consumption adjustment .....	40.4	57.0	40.6	43.5	49.4	54.7	59.5	64.4
Government .....	151.6	154.6	151.8	152.9	153.4	153.7	155.0	156.3
General government .....	128.3	130.3	128.3	129.1	129.4	129.6	130.6	131.6
Government enterprises .....	23.4	24.3	23.5	23.7	24.0	24.2	24.4	24.7
<b>Equals: Net national product</b> .....	<b>7,231.1</b>	<b>7,285.1</b>	<b>7,347.3</b>	<b>7,474.9</b>	<b>7,519.6</b>	<b>7,598.5</b>	.....	.....
Less: Indirect business tax and nontax liability .....	627.2	655.6	632.0	634.5	641.9	647.7	656.5	676.2
Business transfer payments .....	35.1	36.1	35.4	35.6	35.6	36.0	36.3	36.4
Statistical discrepancy .....	-55.8	.....	-65.1	-67.3	-54.1	-85.7	-102.0	.....
Plus: Subsidies less current surplus of government enterprises .....	21.9	24.8	22.0	23.4	23.5	23.9	24.6	27.1
<b>Equals: National income</b> .....	<b>6,646.5</b>	<b>6,704.8</b>	<b>6,767.9</b>	<b>6,875.0</b>	<b>6,945.5</b>	<b>7,032.3</b>	.....	.....
Less: Corporate profits with inventory valuation and capital consumption adjustments .....	817.9	840.9	820.8	829.2	820.6	827.0	.....	.....
Net interest .....	432.0	433.3	432.4	440.5	447.1	454.0	.....	.....
Contributions for social insurance .....	727.0	767.6	730.8	740.9	755.0	762.9	771.6	780.9
Wage accruals less disbursements .....	3.7	4.0	3.7	3.7	4.0	4.0	4.0	4.0
Plus: Personal interest income .....	747.3	764.9	750.5	753.0	757.0	763.0	769.2	770.2
Personal dividend income .....	260.3	263.1	260.4	261.3	261.6	262.1	263.0	265.7
Government transfer payments to persons .....	1,083.3	1,121.3	1,086.7	1,093.1	1,111.2	1,117.7	1,124.6	1,131.6
Business transfer payments to persons .....	27.2	28.2	27.3	27.5	27.8	28.1	28.3	28.6
<b>Equals: Personal income</b> .....	<b>6,784.0</b>	<b>7,123.6</b>	<b>6,820.9</b>	<b>6,904.9</b>	<b>7,003.9</b>	<b>7,081.9</b>	<b>7,160.8</b>	<b>7,247.9</b>
<b>Addenda:</b>								
Gross domestic income .....	8,166.7	8,235.9	8,321.8	8,438.4	8,526.3	8,639.9	.....	.....
Gross national income .....	8,158.7	8,227.1	8,302.2	8,423.6	8,507.6	8,612.8	.....	.....
Net domestic product .....	7,239.1	7,600.9	7,293.8	7,366.9	7,489.8	7,538.3	7,625.6	7,749.9

Table 1.10.—Relation of Real Gross Domestic Product, Real Gross National Product, and Real Net National Product

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product</b> .....	<b>7,269.8</b>	<b>7,549.9</b>	<b>7,311.2</b>	<b>7,364.6</b>	<b>7,464.7</b>	<b>7,498.6</b>	<b>7,566.5</b>	<b>7,670.0</b>
Plus: Receipts of factor income from the rest of the world .....	238.0	245.6	237.6	241.0	241.0	235.7	.....	.....
Less: Payments of factor income to the rest of the world .....	240.7	248.9	250.5	249.6	252.8	254.6	.....	.....
<b>Equals: Gross national product</b> .....	<b>7,266.2</b>	<b>7,307.0</b>	<b>7,350.7</b>	<b>7,455.2</b>	<b>7,485.9</b>	<b>7,546.7</b>	.....	.....
Less: Consumption of fixed capital .....	808.8	861.5	814.0	829.3	841.1	854.4	867.8	882.5
Private .....	672.2	713.9	676.0	683.1	694.4	707.2	719.8	734.0
Government .....	137.4	139.4	137.7	138.1	138.6	139.0	139.8	140.3
General government .....	116.1	117.5	116.3	116.6	116.9	117.2	117.8	118.1
Government enterprises .....	20.6	21.2	20.7	20.9	21.0	21.1	21.3	21.5
<b>Equals: Net national product</b> .....	<b>6,457.3</b>	<b>6,493.3</b>	<b>6,525.1</b>	<b>6,617.8</b>	<b>6,635.8</b>	<b>6,683.8</b>	.....	.....
<b>Addenda:</b>								
Gross domestic income <sup>1</sup> .....	7,319.7	7,369.5	7,424.7	7,512.9	7,574.8	7,656.8	.....	.....
Gross national income <sup>2</sup> .....	7,316.2	7,365.2	7,410.8	7,503.4	7,562.1	7,637.0	.....	.....
Net domestic product .....	6,460.8	6,693.5	6,497.6	6,539.4	6,627.8	6,649.0	6,704.0	6,793.0

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.  
2. Gross national income deflated by the implicit price deflator for gross national product.  
NOTE.—Except as noted in footnotes 1 and 2, chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.  
Chain-type quantity indexes for the series in this table appear in table 7.3.

Table 1.11.—Command-Basis Real Gross National Product

[Billions of chained (1992) dollars]

<b>Gross national product</b> .....	<b>7,266.2</b>	<b>7,307.0</b>	<b>7,350.7</b>	<b>7,455.2</b>	<b>7,485.9</b>	<b>7,546.7</b>	.....
Less: Exports of goods and services and receipts of factor income from the rest of the world .....	1,208.2	1,234.2	1,235.8	1,232.8	1,213.7	1,201.1	.....
Plus: Command-basis exports of goods and services and receipts of factor income <sup>1</sup> .....	1,246.7	1,277.2	1,280.2	1,296.5	1,283.4	1,275.1	.....
<b>Equals: Command-basis gross national product</b> .....	<b>7,304.7</b>	<b>7,350.1</b>	<b>7,395.1</b>	<b>7,518.9</b>	<b>7,555.6</b>	<b>7,620.7</b>	.....
<b>Addendum:</b>							
Terms of trade <sup>2</sup> .....	103.2	103.5	103.6	105.2	105.7	106.2	.....

1. Exports of goods and services and receipts of factor income deflated by the implicit price deflator for imports of goods and services and payments of factor income.  
2. Ratio of the implicit price deflator for exports of goods and services and receipts of factor income to the corresponding implicit price deflator for imports with the decimal point shifted two places to the right.  
NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.  
Percent changes from preceding period for selected items in this table are shown in table 8.1.  
Chain-type quantity indexes for the series in this table appear in table 7.3.



Table 1.14.—National Income by Type of Income

(Billions of dollars)

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>National income</b> .....	<b>6,646.5</b>		<b>6,704.8</b>	<b>6,767.9</b>	<b>6,875.0</b>	<b>6,945.5</b>	<b>7,032.3</b>	
<b>Compensation of employees</b> ...	<b>4,687.2</b>	<b>4,980.3</b>	<b>4,715.5</b>	<b>4,798.0</b>	<b>4,882.8</b>	<b>4,945.2</b>	<b>5,011.6</b>	<b>5,081.8</b>
Wage and salary accruals .....	3,893.6	4,153.2	3,919.3	3,993.6	4,065.9	4,121.6	4,181.1	4,244.1
Government .....	664.2	689.5	666.7	671.4	679.5	685.8	692.7	700.1
Other .....	3,229.4	3,463.7	3,252.6	3,322.2	3,386.4	3,435.8	3,488.4	3,543.9
Supplements to wages and salaries .....	793.7	827.1	796.2	804.4	816.8	823.5	830.5	837.7
Employer contributions for social insurance .....	400.7	420.2	402.7	407.4	414.1	417.9	422.1	426.7
Other labor income .....	392.9	406.9	393.6	397.0	402.8	405.7	408.4	411.0
<b>Proprietors' income with inventory valuation and capital consumption adjustments</b> .....	<b>551.2</b>	<b>575.5</b>	<b>556.5</b>	<b>558.0</b>	<b>564.2</b>	<b>571.7</b>	<b>576.1</b>	<b>590.0</b>
Farm .....	35.5	27.1	36.3	31.4	27.4	27.7	25.2	28.3
Proprietors' income with inventory valuation adjustment .....	43.0	34.3	43.8	38.8	34.7	35.0	32.3	35.4
Capital consumption adjustment .....	-7.5	-7.2	-7.5	-7.4	-7.3	-7.2	-7.2	-7.2
Nonfarm .....	515.8	548.4	520.2	526.6	536.8	544.0	550.9	561.7
Proprietors' income .....	485.3	514.5	489.8	495.5	502.9	511.6	516.9	526.5
Inventory valuation adjustment .....	.6	1.0	.4	.5	2.4	-1	.7	1.1
Capital consumption adjustment .....	29.9	32.9	30.0	30.6	31.5	32.4	33.3	34.2
<b>Rental income of persons with capital consumption adjustment</b> .....	<b>158.2</b>	<b>162.0</b>	<b>158.6</b>	<b>158.8</b>	<b>158.3</b>	<b>161.0</b>	<b>163.6</b>	<b>165.0</b>
Rental income of persons .....	208.6	213.8	209.4	210.2	209.5	212.2	215.7	217.7
Capital consumption adjustment .....	-50.4	-51.8	-50.8	-51.4	-51.2	-51.3	-52.0	-52.7
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>817.9</b>		<b>840.9</b>	<b>820.8</b>	<b>829.2</b>	<b>820.6</b>	<b>827.0</b>	
Corporate profits with inventory valuation adjustment .....	741.2		763.7	740.7	744.3	731.3	732.1	
Profits before tax .....	734.4		758.9	736.4	719.1	723.5	720.5	
Profits tax liability .....	246.1		254.2	249.3	239.9	241.6	243.2	
Profits after tax .....	488.3		504.7	487.1	479.2	481.8	477.3	
Dividends .....	275.1	279.2	275.1	276.4	277.3	278.1	279.0	282.3
Undistributed profits ..	213.2		229.5	210.6	201.8	203.7	198.3	
Inventory valuation adjustment .....	6.9		4.8	4.3	25.3	7.8	11.7	
Capital consumption adjustment .....	76.6	92.2	77.2	80.1	84.9	89.4	94.8	99.7
<b>Net interest</b> .....	<b>432.0</b>		<b>433.3</b>	<b>432.4</b>	<b>440.5</b>	<b>447.1</b>	<b>454.0</b>	
<b>Addenda:</b>								
Corporate profits after tax with inventory valuation and capital consumption adjustments .....	571.8		586.7	571.4	589.3	579.0	583.7	
Net cash flow with inventory valuation and capital consumption adjustments ..	774.1		792.3	782.6	804.5	798.7	807.9	
Undistributed profits with inventory valuation and capital consumption adjustments .....	296.7		311.5	295.0	312.0	300.9	304.8	
Consumption of fixed capital .....	477.3	500.7	480.8	487.7	492.5	497.8	503.1	509.4
Less: Inventory valuation adjustment .....	6.9		4.8	4.3	25.3	7.8	11.7	
<b>Equals: Net cash flow</b> .....	<b>767.2</b>		<b>787.5</b>	<b>778.4</b>	<b>779.2</b>	<b>790.9</b>	<b>796.2</b>	

Table 1.16.—Gross Domestic Product of Corporate Business in Current Dollars and Gross Domestic Product of Nonfinancial Corporate Business in Current and Chained Dollars

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product of corporate business</b> .....	<b>4,960.9</b>		<b>5,015.5</b>	<b>5,090.8</b>	<b>5,160.6</b>	<b>5,210.0</b>	<b>5,286.0</b>	
Consumption of fixed capital .....	477.3	500.7	480.8	487.7	492.5	497.8	503.1	509.4
<b>Net domestic product</b> .....	<b>4,483.5</b>		<b>4,534.7</b>	<b>4,603.2</b>	<b>4,668.0</b>	<b>4,712.2</b>	<b>4,782.8</b>	
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	477.8	506.2	484.7	489.1	495.0	499.2	506.5	524.2
<b>Domestic income</b> .....	<b>4,005.7</b>		<b>4,049.9</b>	<b>4,114.0</b>	<b>4,173.0</b>	<b>4,213.0</b>	<b>4,276.3</b>	
Compensation of employees .....	3,139.8	3,352.8	3,160.8	3,228.8	3,283.2	3,327.8	3,375.1	3,425.1
Wage and salary accruals .....	2,644.4	2,836.5	2,664.1	2,728.3	2,773.3	2,813.7	2,856.7	2,902.1
Supplements to wages and salaries .....	495.5	516.3	496.7	500.5	509.9	514.1	518.4	522.9
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>718.9</b>		<b>738.6</b>	<b>728.8</b>	<b>730.6</b>	<b>723.3</b>	<b>737.0</b>	
Profits before tax .....	635.4		656.6	644.5	620.5	626.2	630.5	
Profits tax liability .....	246.1		254.2	249.3	239.9	241.6	243.2	
Profits after tax .....	389.3		402.3	395.1	380.6	384.5	387.3	
Dividends .....	234.7		229.7	244.0	240.6	259.9	251.0	
Undistributed profits ..	154.5		172.7	151.2	140.0	124.6	136.3	
Inventory valuation adjustment .....	6.9		4.8	4.3	25.3	7.8	11.7	
Capital consumption adjustment .....	76.6	92.2	77.2	80.1	84.9	89.4	94.8	99.7
Net interest .....	147.1		150.5	156.4	159.2	161.9	164.1	
<b>Gross domestic product of financial corporate business</b> .....	<b>546.4</b>		<b>553.6</b>	<b>577.7</b>	<b>586.4</b>	<b>591.2</b>	<b>597.1</b>	
<b>Gross domestic product of nonfinancial corporate business</b> .....	<b>4,414.5</b>		<b>4,461.9</b>	<b>4,513.2</b>	<b>4,574.2</b>	<b>4,618.8</b>	<b>4,688.9</b>	
Consumption of fixed capital .....	415.4	435.5	418.4	424.4	428.5	433.1	437.4	442.8
<b>Net domestic product</b> .....	<b>3,999.1</b>		<b>4,043.4</b>	<b>4,088.8</b>	<b>4,145.7</b>	<b>4,185.7</b>	<b>4,251.4</b>	
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	436.8	461.1	442.1	445.0	450.5	454.2	461.1	478.3
<b>Domestic income</b> .....	<b>3,562.3</b>		<b>3,601.4</b>	<b>3,643.8</b>	<b>3,695.2</b>	<b>3,731.4</b>	<b>3,790.3</b>	
Compensation of employees .....	2,871.2	3,065.9	2,889.8	2,952.6	3,002.3	3,043.1	3,086.3	3,132.0
Wage and salary accruals .....	2,416.6	2,592.2	2,434.3	2,494.2	2,534.5	2,571.4	2,610.7	2,652.2
Supplements to wages and salaries .....	454.6	473.7	455.5	458.4	467.8	471.7	475.6	479.8
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>594.2</b>		<b>615.2</b>	<b>599.3</b>	<b>599.3</b>	<b>593.2</b>	<b>607.5</b>	
Profits before tax .....	505.4		528.0	509.8	484.2	491.8	497.3	
Profits tax liability .....	169.8		178.1	170.1	159.7	162.1	163.8	
Profits after tax .....	335.6		349.9	339.6	324.5	329.6	333.5	
Dividends .....	229.3		226.1	239.6	237.3	254.3	247.3	
Undistributed profits ..	106.3		123.8	100.1	87.2	75.3	86.2	
Inventory valuation adjustment .....	6.9		4.8	4.3	25.3	7.8	11.7	
Capital consumption adjustment .....	81.9	96.2	82.5	85.3	89.8	93.7	98.5	102.6
Net interest .....	96.9		96.3	91.9	93.6	95.2	96.5	
	Billions of chained (1992) dollars							
<b>Gross domestic product of nonfinancial corporate business</b> <sup>1</sup> .....	<b>4,154.4</b>		<b>4,198.5</b>	<b>4,247.5</b>	<b>4,309.2</b>	<b>4,352.0</b>	<b>4,417.2</b>	
Consumption of fixed capital <sup>2</sup> .....	394.6	422.4	397.2	402.1	409.3	417.7	426.6	436.0
<b>Net domestic product</b> <sup>3</sup> .....	<b>3,759.8</b>		<b>3,801.3</b>	<b>3,845.5</b>	<b>3,899.9</b>	<b>3,934.3</b>	<b>3,990.6</b>	

1. Chained-dollar gross domestic product of nonfinancial corporate business equals the current-dollar product deflated by the implicit price deflator for goods and structures in gross domestic product.

2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100.

3. Chained-dollar net domestic product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.



## 3. Government Receipts, Current Expenditures, and Gross Investment

Table 3.1.—Government Receipts and Current Expenditures

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Receipts</b> .....	<b>2,589.2</b>		<b>2,616.0</b>	<b>2,650.3</b>	<b>2,703.6</b>	<b>2,745.2</b>	<b>2,779.7</b>	.....
Personal tax and nontax receipts .....	989.0	1,098.1	999.0	1,025.5	1,066.8	1,092.9	1,108.4	1,124.3
Corporate profits tax accruals .....	246.1		254.2	249.3	239.9	241.6	243.2	.....
Indirect business tax and nontax accruals .....	627.2	655.6	632.0	634.5	641.9	647.7	656.5	676.2
Contributions for social insurance .....	727.0	767.6	730.8	740.9	755.0	762.9	771.6	780.9
<b>Current expenditures</b> .....	<b>2,476.1</b>	<b>2,536.7</b>	<b>2,479.8</b>	<b>2,506.7</b>	<b>2,504.6</b>	<b>2,529.5</b>	<b>2,538.9</b>	<b>2,573.6</b>
Consumption expenditures .....	1,219.2	1,250.4	1,222.3	1,231.6	1,227.5	1,248.7	1,252.6	1,272.7
Transfer payments (net) .....	1,096.0	1,134.0	1,096.6	1,114.6	1,121.1	1,126.7	1,135.8	1,152.2
To persons .....	1,083.3	1,121.3	1,086.7	1,093.1	1,111.2	1,117.7	1,124.6	1,131.6
To the rest of the world (net) .....	12.7	12.7	9.9	21.5	9.9	9.0	11.2	20.6
Net interest paid .....	153.8	143.6	153.7	152.3	148.2	146.2	141.9	138.2
Interest paid .....	316.9	312.7	317.7	317.2	314.3	314.5	312.0	309.9
To persons and business .....	229.4		226.9	226.5	224.4	223.4	221.7	.....
To the rest of the world .....	87.5		90.8	90.7	89.9	91.0	90.3	.....
Less: Interest received by government .....	163.1	169.1	164.0	164.9	166.1	168.3	170.1	171.7
Less: Dividends received by government .....	14.8	16.1	14.8	15.2	15.7	16.0	16.0	16.6
Subsidies less current surplus of government enterprises .....	21.9	24.8	22.0	23.4	23.5	23.9	24.6	27.1
Subsidies .....	33.4	31.7	33.3	32.7	31.8	31.4	31.0	32.7
Less: Current surplus of government enterprises .....	11.5	7.0	11.3	9.3	8.4	7.5	6.4	5.5
Less: Wage accruals less disbursements .....	0	0	0	0	0	0	0	0
<b>Current surplus or deficit (-), national income and product accounts</b> .....	<b>113.1</b>		<b>136.2</b>	<b>143.6</b>	<b>199.0</b>	<b>215.7</b>	<b>240.7</b>	.....
Social insurance funds .....	138.5	161.8	140.8	148.5	152.0	158.3	163.8	173.0
Other .....	-25.4		-4.6	-4.9	47.0	57.4	76.9	.....

**Table 3.2.—Federal Government Receipts and Current Expenditures**

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Receipts</b> .....	<b>1,719.9</b>		<b>1,739.6</b>	<b>1,765.5</b>	<b>1,809.1</b>	<b>1,838.3</b>	<b>1,858.8</b>	
Personal tax and nontax receipts	769.1	857.8	776.9	798.6	836.5	855.7	863.8	875.4
Income taxes	745.8	829.4	753.7	774.2	810.0	826.3	836.5	844.8
Estate and gift taxes	20.6	25.1	20.5	21.6	23.5	26.2	23.8	26.8
Nontaxes	2.7	3.3	2.7	2.8	3.0	3.2	3.5	3.8
Corporate profits tax accruals	210.0		217.0	212.8	204.8	206.2	207.5	
Federal Reserve banks	20.6		20.8	21.2	21.6	21.5	21.8	
Other	189.5		196.2	191.6	183.2	184.7	185.7	
Indirect business tax and nontax accruals	93.8	96.2	95.1	93.8	93.9	95.2	98.3	97.2
Excise taxes	59.5	62.8	59.7	60.8	60.7	61.9	63.8	64.6
Customs duties	19.6	19.6	20.5	18.9	19.1	19.3	20.7	19.2
Nontaxes	14.6	13.8	14.9	14.2	14.1	13.9	13.7	13.5
Contributions for social insurance	647.0	685.5	650.6	660.3	673.9	681.2	689.2	697.7
<b>Current expenditures</b> .....	<b>1,741.0</b>	<b>1,769.8</b>	<b>1,739.9</b>	<b>1,763.4</b>	<b>1,750.3</b>	<b>1,763.9</b>	<b>1,766.7</b>	<b>1,798.1</b>
Consumption expenditures	460.4	461.1	460.0	460.1	450.9	464.0	458.7	471.0
Transfer payments (net)	791.9	816.5	791.2	805.9	808.5	811.1	817.0	829.3
To persons	779.2	803.8	781.2	784.4	798.6	802.1	805.8	808.7
To the rest of the world (net)	12.7	12.7	9.9	21.5	9.9	9.0	11.2	20.6
Grants-in-aid to State and local governments	225.0	231.2	224.4	231.8	228.7	226.9	231.4	237.9
Net interest paid	231.2	226.6	231.9	231.8	228.8	228.3	225.7	223.5
Interest paid	253.6	248.8	254.4	253.8	250.7	250.6	248.0	245.7
To persons and business	166.1		163.6	163.1	160.7	159.6	157.7	
To the rest of the world	87.5		90.8	90.7	89.9	91.0	90.3	
Less: Interest received by government	22.4	22.2	22.5	22.0	21.8	22.3	22.3	22.2
Subsidies less current surplus of government enterprises	32.5	34.3	32.5	33.7	33.4	33.5	34.0	36.3
Subsidies	33.0	31.3	32.9	32.4	31.5	31.0	30.6	32.3
Less: Current surplus of government enterprises	.5	-3.0	.4	-1.4	-1.9	-2.5	-3.4	-4.0
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
<b>Current surplus or deficit (-), national income and product accounts</b>	<b>-21.1</b>		<b>-3</b>	<b>2.2</b>	<b>58.8</b>	<b>74.4</b>	<b>92.0</b>	
Social insurance funds	70.3	94.1	72.9	80.9	84.5	90.6	96.4	105.0
Other	-91.4		-73.3	-78.7	-25.7	-16.2	-4.4	

**Table 3.3.—State and Local Government Receipts and Current Expenditures**

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Receipts</b> .....	<b>1,094.3</b>		<b>1,100.8</b>	<b>1,116.5</b>	<b>1,123.3</b>	<b>1,133.8</b>	<b>1,152.3</b>	
Personal tax and nontax receipts	219.9	240.3	222.1	226.9	230.4	237.2	244.6	248.9
Income taxes	164.3	180.7	166.1	169.9	172.3	178.3	184.5	187.7
Nontaxes	32.0	34.5	32.3	32.9	33.6	34.2	34.9	35.5
Other	23.6	25.0	23.8	24.1	24.5	24.7	25.3	25.7
Corporate profits tax accruals	36.0		37.3	36.5	35.1	35.4	35.7	
Indirect business tax and nontax accruals	533.4	559.4	536.9	540.7	548.0	552.5	558.2	579.0
Sales taxes	261.5	271.6	261.9	265.7	268.4	270.4	271.1	276.4
Property taxes	209.1	217.4	209.9	211.5	213.9	216.3	218.5	220.9
Other	62.8	70.5	65.1	63.5	65.7	65.9	68.6	81.6
Contributions for social insurance	79.9	82.1	80.2	80.6	81.1	81.7	82.4	83.2
Federal grants-in-aid	225.0	231.2	224.4	231.8	228.7	226.9	231.4	237.9
<b>Current expenditures</b> .....	<b>960.1</b>	<b>998.1</b>	<b>964.3</b>	<b>975.1</b>	<b>983.0</b>	<b>992.5</b>	<b>1,003.6</b>	<b>1,013.4</b>
Consumption expenditures	758.8	789.2	762.2	771.5	776.7	784.7	793.9	801.7
Transfer payments to persons	304.1	317.5	305.5	308.6	312.6	315.6	318.8	322.9
Net interest paid	-77.4	-83.0	-78.2	-79.5	-80.7	-82.2	-83.7	-85.4
Interest paid	63.3	63.9	63.3	63.4	63.6	63.8	64.0	64.2
Less: Interest received by government	140.6	146.9	141.5	142.9	144.3	146.0	147.7	149.5
Less: Dividends received by government	14.8	16.1	14.8	15.2	15.7	16.0	16.0	16.6
Subsidies less current surplus of government enterprises	-10.6	-9.5	-10.5	-10.3	-9.9	-9.6	-9.4	-9.2
Subsidies	.4	.4	.4	.4	.4	.4	.4	.4
Less: Current surplus of government enterprises	10.9	9.9	10.9	10.7	10.3	10.0	9.8	9.6
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
<b>Current surplus or deficit (-), national income and product accounts</b>	<b>134.1</b>		<b>136.6</b>	<b>141.4</b>	<b>140.2</b>	<b>141.3</b>	<b>148.7</b>	
Social insurance funds	68.1	67.7	67.9	67.6	67.5	67.7	67.4	67.9
Other	66.0		68.7	73.8	72.7	73.6	81.3	

**Table 3.7.—Government Consumption Expenditures and Gross Investment by Type**

(Billions of dollars)

			Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Government consumption expenditures and gross investment <sup>1</sup> .....</b>	<b>1,454.6</b>	<b>1,487.8</b>	<b>1,459.5</b>	<b>1,468.1</b>	<b>1,464.9</b>	<b>1,481.2</b>	<b>1,492.3</b>	<b>1,512.6</b>
<b>Federal .....</b>	<b>520.2</b>	<b>520.7</b>	<b>521.0</b>	<b>520.1</b>	<b>511.6</b>	<b>520.7</b>	<b>519.4</b>	<b>531.0</b>
<b>National defense .....</b>	<b>346.0</b>	<b>340.3</b>	<b>347.1</b>	<b>346.5</b>	<b>331.6</b>	<b>339.8</b>	<b>343.7</b>	<b>346.0</b>
Consumption expenditures	306.3	301.4	306.0	304.8	293.3	303.0	302.9	306.4
Durable goods <sup>2</sup> .....	20.7	21.0	19.6	20.8	20.4	20.8	21.8	20.9
Nondurable goods .....	7.4	6.7	7.4	7.2	6.5	6.4	7.3	6.6
Services .....	278.2	273.7	279.1	276.7	266.4	275.8	273.8	278.9
Compensation of general government employees, except force-account construction <sup>3</sup> .....	133.3	132.3	133.1	131.9	133.4	132.2	132.3	131.2
Consumption of general government fixed capital <sup>4</sup> .....	56.3	54.8	56.0	55.7	55.3	54.8	54.5	54.5
Other services .....	88.6	86.7	90.0	89.1	77.7	88.9	87.0	93.2
Gross investment .....	39.7	38.9	41.1	41.7	38.3	36.8	40.9	39.5
Structures .....	5.7	5.2	5.7	5.7	5.4	4.9	5.0	5.0
Equipment .....	34.0	33.7	35.4	36.1	32.9	31.9	35.4	34.5
<b>Nondefense .....</b>	<b>174.3</b>	<b>180.4</b>	<b>173.9</b>	<b>173.6</b>	<b>180.0</b>	<b>180.9</b>	<b>175.7</b>	<b>185.1</b>
Consumption expenditures	154.2	159.7	154.0	155.3	157.6	160.9	155.8	164.6
Durable goods <sup>2</sup> .....	1.0	-3	.9	.9	1.2	1.3	-4.8	1.1
Nondurable goods .....	6.8	7.9	6.7	7.4	7.3	7.6	8.1	8.4
Commodity Credit Corporation inventory change ...	-1	.5	-2	.1	0	.2	.8	.9
Other nondurables ....	6.9	7.4	6.9	7.3	7.3	7.4	7.3	7.5
Services .....	146.3	152.2	146.4	147.0	149.1	152.0	152.5	155.1
Compensation of general government employees, except force-account construction <sup>3</sup> .....	80.2	82.9	80.3	79.5	81.5	82.3	82.7	85.0
Consumption of general government fixed capital <sup>4</sup> .....	11.5	12.0	11.5	11.7	11.8	11.9	12.2	12.3
Other services .....	54.7	57.2	54.6	55.8	55.8	57.9	57.5	57.8
Gross investment .....	20.1	20.7	19.8	18.3	22.4	20.0	19.9	20.5
Structures .....	10.0	10.9	10.8	8.7	10.6	10.4	11.3	11.1
Equipment .....	10.0	9.8	9.1	9.6	11.8	9.6	8.6	9.4
<b>State and local .....</b>	<b>934.4</b>	<b>967.1</b>	<b>938.5</b>	<b>947.9</b>	<b>953.3</b>	<b>960.4</b>	<b>972.9</b>	<b>981.6</b>
Consumption expenditures .....	758.8	789.2	762.2	771.5	776.7	784.7	793.9	801.7
Durable goods <sup>2</sup> .....	16.2	16.8	16.3	16.4	16.6	16.7	16.9	17.1
Nondurable goods .....	79.7	78.1	79.2	80.1	78.0	78.4	78.4	77.7
Services .....	662.9	694.3	666.8	675.0	682.1	689.6	698.5	706.8
Compensation of general government employees, except force-account construction <sup>3</sup> .....	566.7	591.0	570.1	575.4	581.1	587.8	594.2	600.6
Consumption of general government fixed capital <sup>4</sup> .....	60.5	63.5	60.8	61.8	62.4	62.9	63.9	64.8
Other services .....	35.7	39.8	36.0	37.8	38.6	38.9	40.4	41.4
Gross investment .....	175.6	177.8	176.3	176.4	176.6	175.7	179.0	179.9
Structures .....	142.4	142.3	142.8	142.6	142.0	140.6	143.2	143.4
Equipment .....	33.2	35.5	33.4	33.9	34.6	35.2	35.8	36.5
<b>Addenda:</b>								
Compensation of general government employees <sup>3</sup> ....	784.7	810.7	788.0	791.4	800.6	806.8	813.9	821.5
Federal .....	213.5	215.3	213.4	211.5	215.0	214.6	215.2	216.3
State and local .....	571.2	595.4	574.6	579.9	585.6	592.2	598.8	605.2

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new force-account construction and related expenditures for goods and services are classified as investment in structures. The compensation of all general government employees is shown in the addenda.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

**Table 3.8.—Real Government Consumption Expenditures and Real Gross Investment by Type**

(Billions of chained (1992) dollars)

			Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Government consumption expenditures and gross investment <sup>1</sup> .....</b>	<b>1,285.0</b>	<b>1,297.5</b>	<b>1,288.9</b>	<b>1,289.2</b>	<b>1,283.0</b>	<b>1,294.8</b>	<b>1,299.6</b>	<b>1,312.7</b>
<b>Federal .....</b>	<b>458.0</b>	<b>453.5</b>	<b>458.9</b>	<b>456.5</b>	<b>446.1</b>	<b>454.1</b>	<b>452.5</b>	<b>461.2</b>
<b>National defense .....</b>	<b>308.9</b>	<b>300.4</b>	<b>310.2</b>	<b>308.7</b>	<b>293.3</b>	<b>300.3</b>	<b>303.5</b>	<b>304.5</b>
Consumption expenditures	272.4	264.1	272.3	270.0	257.9	266.1	265.1	267.3
Durable goods <sup>2</sup> .....	20.4	20.8	19.2	20.6	20.1	20.7	21.7	20.8
Nondurable goods .....	7.0	7.1	7.1	6.9	6.7	6.7	7.8	7.1
Services .....	244.9	236.3	245.7	242.4	231.1	238.7	235.9	239.4
Compensation of general government employees, except force-account construction <sup>3</sup> .....	112.9	109.5	112.9	111.4	110.6	109.5	109.4	108.3
Consumption of general government fixed capital <sup>4</sup> .....	50.5	49.1	50.3	50.0	49.6	49.3	49.0	48.6
Other services .....	81.8	78.0	82.9	81.5	70.8	80.3	77.8	83.0
Gross investment .....	36.5	36.3	37.9	38.7	35.4	34.1	38.5	37.1
Structures .....	4.5	4.1	4.5	4.5	4.3	3.8	4.3	3.9
Equipment .....	31.9	32.2	33.3	34.2	31.0	30.3	34.2	33.3
<b>Nondefense .....</b>	<b>148.6</b>	<b>152.3</b>	<b>148.2</b>	<b>147.3</b>	<b>151.9</b>	<b>152.9</b>	<b>148.4</b>	<b>155.9</b>
Consumption expenditures	128.7	131.6	128.5	129.0	130.0	132.9	128.4	135.2
Durable goods <sup>2</sup> .....	1.4	.3	1.3	1.3	1.5	1.7	-3.3	1.4
Nondurable goods .....	6.1	7.2	6.0	6.6	6.6	6.9	7.6	7.8
Commodity Credit Corporation inventory change ...	-1	.6	-2	.2	0	.3	1.0	1.1
Other nondurables ....	6.2	6.6	6.2	6.5	6.5	6.6	6.6	6.7
Services .....	121.4	124.3	121.3	121.2	122.0	124.5	124.5	126.3
Compensation of general government employees, except force-account construction <sup>3</sup> .....	60.8	61.6	61.0	59.9	60.7	61.4	61.5	63.0
Consumption of general government fixed capital <sup>4</sup> .....	11.0	11.6	11.1	11.2	11.3	11.4	11.7	11.8
Other services .....	50.3	52.1	50.0	51.1	51.0	52.8	52.2	52.3
Gross investment .....	19.8	20.7	19.6	18.1	22.2	19.9	19.9	20.6
Structures .....	8.6	9.0	9.2	7.3	8.8	8.6	9.3	9.1
Equipment .....	11.6	12.1	10.6	11.3	14.1	11.7	10.7	11.8
<b>State and local .....</b>	<b>827.1</b>	<b>844.3</b>	<b>830.1</b>	<b>832.9</b>	<b>837.1</b>	<b>840.9</b>	<b>847.3</b>	<b>851.7</b>
Consumption expenditures .....	672.3	689.4	674.7	678.5	682.8	687.3	691.6	695.8
Durable goods <sup>2</sup> .....	15.1	15.6	15.2	15.3	15.4	15.6	15.7	15.9
Nondurable goods .....	73.4	75.7	73.7	74.3	74.9	75.4	76.0	76.6
Services .....	583.9	598.2	586.0	589.1	592.7	596.5	600.1	603.6
Compensation of general government employees, except force-account construction <sup>3</sup> .....	492.8	502.0	494.4	496.2	498.1	500.9	503.4	505.6
Consumption of general government fixed capital <sup>4</sup> .....	54.8	57.0	55.0	55.6	56.1	56.7	57.2	57.8
Other services .....	37.7	41.2	38.0	38.9	40.2	40.7	41.5	42.3
Gross investment .....	154.8	154.8	155.3	154.3	154.2	153.5	155.6	155.8
Structures .....	121.0	117.8	121.0	119.5	118.5	117.0	118.2	117.5
Equipment .....	34.3	38.3	34.8	35.5	36.7	37.7	38.8	39.9
<b>Residual .....</b>	<b>-2.9</b>	<b>-4.8</b>	<b>-2.6</b>	<b>-4.0</b>	<b>-3.9</b>	<b>-4.3</b>	<b>-5.1</b>	<b>-5.1</b>
<b>Addenda:</b>								
Compensation of general government employees <sup>3</sup> ....	670.2	676.5	671.9	670.8	672.8	675.1	677.7	680.4
Federal .....	174.2	171.7	174.3	171.7	171.8	171.5	171.6	172.1
State and local .....	496.7	505.7	498.3	500.0	501.9	504.6	507.1	509.3

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

Chain-type quantity indexes for the series in this table appear in table 7.11. See footnotes to table 3.7.

**Table 3.10.—National Defense Consumption Expenditures and Gross Investment**

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>National defense consumption expenditures and gross investment<sup>1</sup> .....</b>	<b>346.0</b>	<b>340.3</b>	<b>347.1</b>	<b>346.5</b>	<b>331.6</b>	<b>339.8</b>	<b>343.7</b>	<b>346.0</b>
<b>Consumption expenditures .....</b>	<b>306.3</b>	<b>301.4</b>	<b>306.0</b>	<b>304.8</b>	<b>293.3</b>	<b>303.0</b>	<b>302.9</b>	<b>306.4</b>
<b>Durable goods<sup>2</sup> .....</b>	<b>20.7</b>	<b>21.0</b>	<b>19.6</b>	<b>20.8</b>	<b>20.4</b>	<b>20.8</b>	<b>21.8</b>	<b>20.9</b>
Aircraft .....	9.6	9.9	8.7	9.7	9.3	10.1	9.9	10.2
Missiles .....	2.6	2.4	2.5	2.7	2.4	2.2	2.7	2.2
Ships .....	.7	.6	.7	.7	.7	.6	.6	.7
Vehicles .....	.9	1.0	.9	1.0	1.0	.9	1.0	1.1
Electronics .....	2.6	2.5	2.7	2.4	2.6	2.5	2.5	2.3
Other durable goods .....	4.3	4.6	4.1	4.4	4.4	4.6	5.1	4.4
<b>Nondurable goods .....</b>	<b>7.4</b>	<b>6.7</b>	<b>7.4</b>	<b>7.2</b>	<b>6.5</b>	<b>6.4</b>	<b>7.3</b>	<b>6.6</b>
Petroleum products .....	2.9	1.9	3.1	2.5	2.0	2.0	2.0	1.7
Ammunition .....	1.5	1.7	1.2	1.7	1.4	1.2	2.3	1.8
Other nondurable goods .....	3.0	3.1	3.2	3.1	3.1	3.1	3.0	3.2
<b>Services .....</b>	<b>278.2</b>	<b>273.7</b>	<b>279.1</b>	<b>276.7</b>	<b>266.4</b>	<b>275.8</b>	<b>273.8</b>	<b>278.9</b>
Compensation of general government employees, except force-account construction <sup>3</sup> .....	133.3	132.3	133.1	131.9	133.4	132.2	132.3	131.2
Military .....	84.2	84.5	84.1	83.7	85.0	84.4	84.5	84.1
Civilian .....	49.1	47.8	48.9	48.2	48.4	47.8	47.8	47.1
Consumption of general government fixed capital <sup>4</sup> .....	56.3	54.8	56.0	55.7	55.3	54.8	54.5	54.5
Other services .....	88.6	86.7	90.0	89.1	77.7	88.9	87.0	93.2
Research and development .....	28.9	27.0	29.3	28.6	22.0	27.5	28.4	30.1
Installation support .....	26.3	25.6	26.9	25.7	25.1	25.8	25.2	26.5
Weapons support .....	6.4	6.1	6.9	7.0	5.6	6.4	5.8	6.6
Personnel support .....	20.1	20.9	20.4	21.0	18.6	21.5	20.3	23.1
Transportation of material .....	4.6	4.7	4.5	4.7	4.6	4.7	4.7	4.7
Travel of persons .....	3.6	3.5	3.6	3.6	3.5	3.5	3.5	3.5
Other .....	-1.3	-1.1	-1.5	-1.4	-1.8	-6	-8	-1.3
<b>Gross investment .....</b>	<b>39.7</b>	<b>38.9</b>	<b>41.1</b>	<b>41.7</b>	<b>38.3</b>	<b>36.8</b>	<b>40.9</b>	<b>39.5</b>
<b>Structures .....</b>	<b>5.7</b>	<b>5.2</b>	<b>5.7</b>	<b>5.7</b>	<b>5.4</b>	<b>4.9</b>	<b>5.5</b>	<b>5.0</b>
<b>Equipment .....</b>	<b>34.0</b>	<b>33.7</b>	<b>35.4</b>	<b>36.1</b>	<b>32.9</b>	<b>31.9</b>	<b>35.4</b>	<b>34.5</b>
Aircraft .....	6.0	5.6	7.1	8.3	5.1	4.3	6.1	7.1
Missiles .....	3.0	2.9	3.1	3.1	3.2	2.7	2.9	2.9
Ships .....	6.1	6.4	6.4	5.8	6.3	6.0	6.5	6.8
Vehicles .....	1.5	1.5	1.5	1.4	1.3	1.8	1.5	1.4
Electronics .....	3.6	3.4	3.6	3.2	3.4	3.6	3.3	3.2
Other equipment .....	13.9	13.8	13.6	14.3	13.6	13.5	15.1	13.2
<b>Addendum:</b>								
Compensation of general government employees <sup>3</sup> .....	133.3	132.3	133.1	131.9	133.5	132.2	132.3	131.2

**Table 3.11.—Real National Defense Consumption Expenditures and Real Gross Investment**

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>National defense consumption expenditures and gross investment<sup>1</sup> .....</b>	<b>308.9</b>	<b>300.4</b>	<b>310.2</b>	<b>308.7</b>	<b>293.3</b>	<b>300.3</b>	<b>303.5</b>	<b>304.5</b>
<b>Consumption expenditures .....</b>	<b>272.4</b>	<b>264.1</b>	<b>272.3</b>	<b>270.0</b>	<b>257.9</b>	<b>266.1</b>	<b>265.1</b>	<b>267.3</b>
<b>Durable goods<sup>2</sup> .....</b>	<b>20.4</b>	<b>20.8</b>	<b>19.2</b>	<b>20.6</b>	<b>20.1</b>	<b>20.7</b>	<b>21.7</b>	<b>20.8</b>
Aircraft .....	9.4	9.7	8.5	9.6	9.1	9.9	9.7	10.0
Missiles .....	2.7	2.5	2.6	2.8	2.5	2.3	2.9	2.4
Ships .....	.7	.6	.7	.6	.7	.6	.6	.6
Vehicles .....	.8	.8	.8	.8	.8	.7	.8	.9
Electronics .....	2.8	2.7	2.9	2.6	2.8	2.7	2.8	2.6
Other durable goods .....	4.1	4.4	3.8	4.2	4.2	4.4	4.8	4.2
<b>Nondurable goods .....</b>	<b>7.0</b>	<b>7.1</b>	<b>7.1</b>	<b>6.9</b>	<b>6.7</b>	<b>6.7</b>	<b>7.8</b>	<b>7.1</b>
Petroleum products .....	2.8	2.6	3.2	2.5	2.5	2.7	2.8	2.4
Ammunition .....	1.4	1.6	1.1	1.6	1.3	1.2	2.2	1.7
Other nondurable goods .....	2.8	2.9	3.0	2.9	2.9	2.9	2.8	3.0
<b>Services .....</b>	<b>244.9</b>	<b>236.3</b>	<b>245.7</b>	<b>242.4</b>	<b>231.1</b>	<b>238.7</b>	<b>235.9</b>	<b>239.4</b>
Compensation of general government employees, except force-account construction <sup>3</sup> .....	112.9	109.5	112.9	111.4	110.6	109.5	109.4	108.3
Military .....	74.8	73.2	74.9	74.3	73.8	73.1	73.2	72.7
Civilian .....	38.3	36.5	38.2	37.3	37.0	36.7	36.5	35.8
Consumption of general government fixed capital <sup>4</sup> .....	50.5	49.1	50.3	50.0	49.6	49.3	49.0	48.6
Other services .....	81.8	78.0	82.9	81.5	70.8	80.3	77.8	83.0
Research and development .....	28.5	26.1	28.7	27.9	21.4	26.6	27.4	28.9
Installation support .....	23.8	22.7	24.3	23.1	22.6	23.1	22.2	23.1
Weapons support .....	5.6	5.3	6.1	6.1	4.9	5.6	5.0	5.7
Personnel support .....	17.5	17.4	17.8	18.0	15.8	18.1	16.8	19.0
Transportation of material .....	4.5	4.5	4.3	4.6	4.5	4.5	4.5	4.6
Travel of persons .....	3.4	3.1	3.3	3.3	3.1	3.1	3.1	3.1
Other .....	-1.1	-9	-1.3	-1.2	-1.5	-5	-7	-1.1
<b>Gross investment .....</b>	<b>36.5</b>	<b>36.3</b>	<b>37.9</b>	<b>38.7</b>	<b>35.4</b>	<b>34.1</b>	<b>38.5</b>	<b>37.1</b>
<b>Structures .....</b>	<b>4.5</b>	<b>4.1</b>	<b>4.5</b>	<b>4.5</b>	<b>4.3</b>	<b>3.8</b>	<b>4.3</b>	<b>3.9</b>
<b>Equipment .....</b>	<b>31.9</b>	<b>32.2</b>	<b>33.3</b>	<b>34.2</b>	<b>31.0</b>	<b>30.3</b>	<b>34.2</b>	<b>33.3</b>
Aircraft .....	4.9	4.8	5.9	7.0	4.2	3.5	5.4	6.0
Missiles .....	3.1	3.0	3.3	3.2	3.2	2.8	2.9	3.0
Ships .....	5.4	5.8	5.6	5.1	5.6	5.4	5.8	6.2
Vehicles .....	1.3	1.4	1.4	1.3	1.2	1.6	1.4	1.3
Electronics .....	4.9	5.2	5.1	4.6	5.0	5.4	5.3	5.1
Other equipment .....	13.0	12.9	12.7	13.4	12.7	12.6	14.1	12.3
Residual .....	-1.5	-1.6	-1.5	-1.4	-9	-1.8	-2.1	-1.5
<b>Addendum:</b>								
Compensation of general government employees <sup>3</sup> .....	112.9	109.5	112.9	111.4	110.6	109.5	109.5	108.3

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the line in the addendum.

Chain-type indexes for the series in the table appear in table 7.12. See footnotes to table 3.10.

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries.

3. Compensation of government employees engaged in new force-account construction and related expenditures for goods and services are classified as investment in structures. The compensation of all general government employees is shown in the addendum.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

## 4. Foreign Transactions

Table 4.1.—Foreign Transactions in the National Income and Product Accounts

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Receipts from the rest of the world</b> .....	<b>1,230.9</b>		<b>1,256.0</b>	<b>1,254.9</b>	<b>1,243.6</b>	<b>1,220.2</b>	<b>1,201.2</b>	
Exports of goods and services ...	965.4	958.5	981.7	988.6	973.3	949.6	936.2	975.1
Goods <sup>1</sup> .....	688.3	680.3	700.2	708.9	694.5	668.8	663.3	694.6
Durable .....	483.0	487.5	495.3	498.7	495.4	474.3	476.6	503.7
Nondurable .....	205.3	192.8	204.9	210.2	199.2	194.5	186.6	190.9
Services <sup>1</sup> .....	277.1	278.2	281.5	279.7	278.8	280.8	272.9	280.5
Receipts of factor income .....	265.5		274.3	266.3	270.3	270.6	265.0	
Capital grants received by the United States (net) .....	0	0	0	0	0	0	0	0
<b>Payments to the rest of the world</b> .....	<b>1,230.9</b>		<b>1,256.0</b>	<b>1,254.9</b>	<b>1,243.6</b>	<b>1,220.2</b>	<b>1,201.2</b>	
Imports of goods and services ...	1,058.8	1,112.6	1,076.4	1,087.4	1,097.1	1,108.9	1,101.7	1,142.9
Goods <sup>1</sup> .....	888.3	934.7	902.7	912.4	920.9	931.8	924.7	961.4
Durable .....	589.5	639.3	600.5	608.7	625.6	634.1	630.1	667.4
Nondurable .....	298.8	295.4	302.3	303.7	295.2	297.7	294.6	294.0
Services <sup>1</sup> .....	170.4	177.9	173.6	174.9	176.2	177.1	177.0	181.4
Payments of factor income .....	273.5		283.0	285.9	285.1	289.3	292.1	
Transfer payments (net) .....	39.5	40.4	37.6	49.4	37.0	36.8	39.1	48.8
From persons (net) .....	18.9	19.9	19.5	19.8	19.2	19.9	20.0	20.4
From government (net) .....	12.7	12.7	9.9	21.5	9.9	9.0	11.2	20.6
From business .....	8.0	7.9	8.1	8.1	7.9	7.9	8.0	7.7
Net foreign investment .....	-140.9		-141.0	-167.8	-175.6	-214.8	-231.6	

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 4.2.—Real Exports and Imports of Goods and Services and Receipts and Payments of Factor Income

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Exports of goods and services</b> .....	<b>970.0</b>	<b>984.2</b>	<b>988.1</b>	<b>998.8</b>	<b>991.9</b>	<b>972.1</b>	<b>965.3</b>	<b>1,007.7</b>
Goods <sup>1</sup> .....	726.5	742.0	740.6	754.9	748.5	726.3	727.3	766.1
Durable .....	554.5	573.5	570.4	578.1	577.9	556.2	562.9	596.9
Nondurable .....	180.8	179.1	180.4	186.3	181.1	179.3	174.9	181.1
Services <sup>1</sup> .....	247.0	246.5	251.1	248.6	247.8	248.8	242.1	247.2
<b>Receipts of factor income</b> .....	<b>238.0</b>		<b>245.6</b>	<b>237.6</b>	<b>241.0</b>	<b>241.0</b>	<b>235.7</b>	
<b>Imports of goods and services</b> .....	<b>1,106.1</b>	<b>1,225.7</b>	<b>1,130.5</b>	<b>1,147.8</b>	<b>1,190.4</b>	<b>1,217.3</b>	<b>1,224.3</b>	<b>1,270.6</b>
Goods <sup>1</sup> .....	945.7	1,057.0	966.7	981.8	1,021.0	1,048.8	1,056.3	1,101.8
Durable .....	667.7	754.8	681.2	696.6	726.9	745.5	749.8	797.1
Nondurable .....	280.3	306.0	287.7	288.1	297.6	306.7	309.9	310.0
Services <sup>1</sup> .....	161.8	171.4	165.2	167.5	171.3	171.0	170.8	172.5
<b>Payments of factor income</b> .....	<b>240.7</b>		<b>248.9</b>	<b>250.5</b>	<b>249.6</b>	<b>252.8</b>	<b>254.6</b>	

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. Chain-type quantity indexes for the series in this table appear in table 7.9.





5. Saving and Investment

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross saving</b> .....	<b>1,406.3</b>		<b>1,427.0</b>	<b>1,428.0</b>	<b>1,482.5</b>	<b>1,448.5</b>	<b>1,474.5</b>	
<b>Gross private saving</b> .....	<b>1,141.6</b>		<b>1,139.0</b>	<b>1,131.6</b>	<b>1,130.1</b>	<b>1,079.0</b>	<b>1,078.7</b>	
Personal saving .....	121.0	27.4	98.5	98.2	73.0	25.6	12.6	-1.8
Undistributed corporate profits with inventory valuation and capital consumption adjustments .....	296.7		311.5	295.0	312.0	300.9	304.8	
Undistributed profits .....	213.2		229.5	210.6	201.8	203.7	198.3	
Inventory valuation adjustment .....	6.9		4.8	4.3	25.3	7.8	11.7	
Capital consumption adjustment .....	76.6	92.2	77.2	80.1	84.9	89.4	94.8	99.7
Corporate consumption of fixed capital .....	477.3	500.7	480.8	487.7	492.5	497.8	503.1	509.4
Noncorporate consumption of fixed capital .....	242.8	252.6	244.4	247.0	248.6	250.7	254.2	257.2
Wage accruals less disbursements .....	3.7	4.0	3.7	3.7	4.0	4.0	4.0	4.0
<b>Gross government saving</b> .....	<b>264.7</b>		<b>288.0</b>	<b>296.4</b>	<b>352.4</b>	<b>369.4</b>	<b>395.7</b>	
Federal .....	49.5		70.0	72.3	128.7	143.9	161.6	
Consumption of fixed capital .....	70.6	69.7	70.3	70.2	69.9	69.5	69.6	69.7
Current surplus or deficit (-), national income and product accounts .....	-21.1		-3	2.2	58.8	74.4	92.0	
State and local .....	215.2		218.0	224.1	223.7	225.6	234.2	
Consumption of fixed capital .....	81.1	85.0	81.4	82.7	83.5	84.3	85.4	86.6
Current surplus or deficit (-), national income and product accounts .....	134.1		136.6	141.4	140.2	141.3	148.7	
<b>Capital grants received by the United States (net)</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Gross investment</b> .....	<b>1,350.5</b>		<b>1,361.9</b>	<b>1,360.7</b>	<b>1,428.4</b>	<b>1,362.7</b>	<b>1,372.5</b>	
Gross private domestic investment .....	1,256.0	1,369.2	1,265.7	1,292.0	1,366.6	1,345.0	1,364.4	1,400.9
Gross government investment .....	235.4	237.4	237.3	236.5	237.4	232.5	239.7	239.9
Net foreign investment .....	-140.9		-141.0	-167.8	-175.6	-214.8	-231.6	
<b>Statistical discrepancy</b> .....	<b>-55.8</b>		<b>-65.1</b>	<b>-67.3</b>	<b>-54.1</b>	<b>-85.7</b>	<b>-102.0</b>	
<b>Addendum:</b>								
Gross saving as a percentage of gross national product .....	17.4		17.5	17.3	17.7	17.2	17.3	

Table 5.4.—Private Fixed Investment by Type

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Private fixed investment</b> .....	<b>1,188.6</b>	<b>1,308.8</b>	<b>1,211.1</b>	<b>1,220.1</b>	<b>1,271.1</b>	<b>1,305.8</b>	<b>1,307.5</b>	<b>1,350.9</b>
<b>Nonresidential</b> .....	<b>860.7</b>	<b>939.4</b>	<b>882.3</b>	<b>882.8</b>	<b>921.3</b>	<b>941.9</b>	<b>931.6</b>	<b>962.9</b>
<b>Structures</b> .....	<b>240.2</b>	<b>246.8</b>	<b>243.8</b>	<b>246.4</b>	<b>245.0</b>	<b>245.4</b>	<b>246.2</b>	<b>250.6</b>
Nonresidential buildings, including farm .....	177.3	183.6	180.0	178.9	180.6	181.8	183.7	188.1
Utilities .....	33.5	34.8	34.1	34.1	34.2	34.7	35.0	35.3
Mining exploration, shafts, and wells .....	22.7	21.6	23.8	24.3	23.5	22.4	20.7	20.0
Other structures .....	6.7	6.8	6.1	9.2	6.6	6.5	6.8	7.1
<b>Producers' durable equipment</b> .....	<b>620.5</b>	<b>692.6</b>	<b>638.5</b>	<b>636.4</b>	<b>676.3</b>	<b>696.6</b>	<b>685.4</b>	<b>712.3</b>
Information processing and related equipment .....	206.6	233.5	213.0	213.6	226.5	231.6	235.2	240.8
Computers and peripheral equipment <sup>1</sup> .....	81.1	95.2	84.0	83.7	91.8	94.8	95.6	98.7
Other .....	125.5	138.3	129.0	129.9	134.7	136.8	139.5	142.1
Industrial equipment .....	138.6	147.3	140.7	142.1	145.4	146.8	147.4	149.6
Transportation and related equipment .....	152.0	175.9	158.8	155.9	172.4	181.2	164.0	186.0
Other .....	123.3	135.9	126.0	124.8	132.0	137.0	138.8	135.9
<b>Residential</b> .....	<b>327.9</b>	<b>369.4</b>	<b>328.8</b>	<b>337.4</b>	<b>349.8</b>	<b>363.8</b>	<b>375.8</b>	<b>388.1</b>
<b>Structures</b> .....	<b>319.9</b>	<b>360.9</b>	<b>320.8</b>	<b>329.4</b>	<b>341.5</b>	<b>355.4</b>	<b>367.3</b>	<b>379.5</b>
Single family .....	164.4	187.3	164.0	168.7	175.8	183.8	190.9	198.7
Multifamily .....	22.6	24.4	22.0	23.8	25.1	23.5	23.9	25.2
Other structures .....	132.8	149.2	134.7	136.8	140.6	148.1	152.6	155.6
<b>Producers' durable equipment</b> .....	<b>8.0</b>	<b>8.5</b>	<b>8.0</b>	<b>8.0</b>	<b>8.3</b>	<b>8.5</b>	<b>8.5</b>	<b>8.6</b>

1. Includes new computers and peripheral equipment only.

Table 5.5.—Real Private Fixed Investment by Type

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Private fixed investment</b> .....	<b>1,138.0</b>	<b>1,268.9</b>	<b>1,159.3</b>	<b>1,169.5</b>	<b>1,224.9</b>	<b>1,264.1</b>	<b>1,270.9</b>	<b>1,315.6</b>
<b>Nonresidential</b> .....	<b>859.4</b>	<b>961.8</b>	<b>882.2</b>	<b>886.2</b>	<b>931.9</b>	<b>960.4</b>	<b>958.7</b>	<b>996.5</b>
<b>Structures</b> .....	<b>203.2</b>	<b>203.0</b>	<b>205.2</b>	<b>205.7</b>	<b>203.1</b>	<b>201.9</b>	<b>202.0</b>	<b>204.8</b>
Nonresidential buildings, including farm .....	150.5	150.6	152.0	149.5	150.1	149.8	150.1	152.5
Utilities .....	28.7	29.6	29.1	29.2	29.2	29.5	29.7	29.9
Mining exploration, shafts, and wells .....	17.9	16.9	18.6	18.9	17.9	17.0	16.4	16.3
Other structures .....	5.8	5.7	5.2	7.8	5.6	5.5	5.8	6.0
<b>Producers' durable equipment</b> .....	<b>660.9</b>	<b>771.6</b>	<b>682.6</b>	<b>686.4</b>	<b>738.8</b>	<b>771.3</b>	<b>769.3</b>	<b>806.8</b>
Information processing and related equipment .....	298.0	388.4	311.5	320.7	353.4	376.8	399.6	423.8
Computers and peripheral equipment <sup>1</sup> .....	214.8	352.6	229.9	242.9	292.2	331.5	370.5	416.5
Other .....	126.6	141.2	130.0	131.5	136.7	139.7	142.8	145.5
Industrial equipment .....	125.9	132.9	127.7	128.6	131.5	132.5	133.1	134.3
Transportation and related equipment .....	140.3	162.8	145.9	143.8	159.6	167.9	151.7	171.8
Other .....	113.0	123.2	115.6	114.1	120.2	124.6	125.8	122.3
<b>Residential</b> .....	<b>282.8</b>	<b>312.1</b>	<b>282.3</b>	<b>287.9</b>	<b>298.5</b>	<b>309.1</b>	<b>316.5</b>	<b>324.2</b>
<b>Structures</b> .....	<b>275.1</b>	<b>303.9</b>	<b>274.5</b>	<b>280.1</b>	<b>290.5</b>	<b>300.9</b>	<b>308.3</b>	<b>315.9</b>
Single family .....	137.2	153.1	136.1	139.0	145.2	151.3	155.6	160.2
Multifamily .....	20.2	21.3	19.5	21.0	22.1	20.7	20.8	21.7
Other structures .....	118.5	130.1	119.7	120.9	123.8	129.6	132.6	134.6
<b>Producers' durable equipment</b> .....	<b>7.7</b>	<b>8.2</b>	<b>7.8</b>	<b>7.8</b>	<b>8.0</b>	<b>8.2</b>	<b>8.2</b>	<b>8.3</b>
<b>Residual</b> .....	<b>-69.1</b>	<b>-159.3</b>	<b>-77.8</b>	<b>-85.5</b>	<b>-117.2</b>	<b>-143.7</b>	<b>-172.2</b>	<b>-204.3</b>

1. Includes new computers and peripheral equipment only.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines. Chain-type quantity indexes for the series in this table appear in table 7.6.

Table 5.10.—Change in Business Inventories by Industry Group

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Change in business inventories ....</b>	<b>67.4</b>	<b>60.4</b>	<b>54.6</b>	<b>71.9</b>	<b>95.5</b>	<b>39.2</b>	<b>57.0</b>	<b>50.0</b>
Farm .....	4.3	6.7	7.3	4.9	5.0	7.7	7.7	6.6
Nonfarm .....	63.1	53.7	47.3	66.9	90.5	31.5	49.3	43.3
Change in book value <sup>1</sup> .....	52.1	34.0	41.8	61.1	56.3	21.2	32.0	26.5
Inventory valuation adjustment <sup>2</sup> .....	11.0	19.7	5.5	5.9	34.3	10.3	17.3	16.9
Manufacturing .....	21.4	24.1	16.9	18.7	31.8	25.1	20.1	19.4
Durable goods .....	12.5	15.7	8.8	8.4	21.9	19.9	12.3	8.6
Nondurable goods .....	8.9	8.4	8.0	10.4	9.9	5.3	7.7	10.8
Wholesale trade .....	23.3	19.1	17.5	21.5	28.1	7.9	30.5	10.1
Durable goods .....	13.8	12.8	4.6	8.9	25.8	1.6	15.5	8.4
Nondurable goods .....	9.5	6.3	12.9	12.6	2.3	6.2	15.0	1.7
Merchant wholesalers .....	19.6	16.7	15.6	19.0	26.0	4.8	29.2	6.6
Durable goods .....	11.4	10.8	3.7	7.3	23.3	-1	13.8	6.1
Nondurable goods .....	8.2	5.9	11.9	11.7	2.7	5.0	15.4	.4
Nonmerchant wholesalers .....	3.8	2.5	1.9	2.5	2.0	3.0	1.3	3.5
Durable goods .....	2.4	2.0	.9	1.6	2.4	1.8	1.7	2.2
Nondurable goods .....	1.4	.4	1.0	.9	-4	1.2	-4	1.2
Retail trade .....	7.3	2.4	5.5	17.8	18.3	-12.7	-5.5	9.4
Durable goods .....	5.1	-2.5	3.7	15.3	1.8	-17.8	-8.2	14.4
Motor vehicle dealers <sup>3</sup> .....	1.3	-5.2	.8	11.7	-4.1	-15.3	-10.0	8.7
Other <sup>3</sup> .....	3.9	2.7	2.9	3.5	5.9	-2.5	1.8	5.6
Nondurable goods .....	2.2	4.8	1.7	2.5	16.5	5.1	2.7	-5.0
Other .....	11.0	8.1	7.4	8.9	12.3	11.2	4.3	4.5
Durable goods .....	2.2	-2	2.7	1.4	.4	.8	-1	-1.9
Nondurable goods .....	8.8	8.3	4.7	7.5	11.9	10.4	4.4	6.4

1. Beginning with 1982, this series is derived from the Census Bureau series "current cost inventories." For earlier periods, it is derived from the Census Bureau "book value inventories" series. The series differ in the treatment of inventories reported on a last-in, first-out (LIFO) basis: The series prior to 1982 is a mix of LIFO and non-LIFO inventories; the series beginning with 1982 is entirely on a non-LIFO basis.

2. Beginning with 1973, the inventory valuation adjustment (IVA) shown in this table differs from the IVA that adjusts business incomes. The IVA in this table reflects the mix of methods (first-in, first-out; last-in, first-out; etc.) underlying inventories derived primarily from Census Bureau statistics (see footnote 1). This mix differs from that underlying business income derived primarily from Internal Revenue Service statistics. Prior to 1973, the two IVA's are the same because information required for separate estimates is not available.

3. Prior to 1981, inventories of auto and home supply stores are included in motor vehicle dealers. Beginning with 1981, these inventories are included in "other durable goods."

Table 5.11.—Real Change in Business Inventories by Industry Group

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Change in business inventories ....</b>	<b>63.2</b>	<b>58.5</b>	<b>51.0</b>	<b>66.5</b>	<b>91.4</b>	<b>38.2</b>	<b>55.7</b>	<b>48.9</b>
Farm .....	4.3	7.7	7.3	3.7	5.3	8.7	9.1	7.8
Nonfarm .....	58.8	51.1	44.0	62.7	85.9	29.9	47.0	41.7
Manufacturing .....	20.1	23.0	15.8	17.7	30.2	23.9	19.2	18.9
Durable goods .....	12.0	15.1	8.4	8.1	21.0	19.1	12.0	8.4
Nondurable goods .....	8.1	7.9	7.4	9.5	9.2	4.9	7.2	10.4
Wholesale trade .....	22.0	18.5	16.7	20.2	27.0	7.6	29.6	9.9
Durable goods .....	13.3	12.5	4.5	8.6	25.1	1.6	15.2	8.3
Nondurable goods .....	8.7	6.0	11.8	11.4	2.3	5.9	14.3	1.7
Merchant wholesalers .....	18.5	16.1	14.9	17.8	24.8	4.7	28.3	6.5
Durable goods .....	11.0	10.5	3.6	7.0	22.6	-2	13.5	6.0
Nondurable goods .....	7.5	5.6	10.9	10.5	2.6	4.7	14.5	.6
Nonmerchant wholesalers .....	3.6	2.4	1.8	2.4	2.1	3.0	1.3	3.5
Durable goods .....	2.3	2.0	.9	1.5	2.4	1.8	1.7	2.2
Nondurable goods .....	1.2	.4	.9	.9	-3	1.2	-4	1.2
Retail trade .....	6.8	2.2	5.0	16.9	17.3	-11.9	-5.3	8.8
Durable goods .....	4.7	-2.3	3.4	14.1	1.6	-16.3	-7.7	13.1
Motor vehicle dealers .....	1.1	-4.7	.7	10.5	-3.7	-13.8	-9.1	7.8
Other .....	3.6	2.5	2.7	3.3	5.5	-2.3	1.7	5.3
Nondurable goods .....	2.1	4.7	1.6	2.5	16.1	4.9	2.6	-4.8
Other .....	9.9	7.5	6.5	8.1	11.5	10.4	4.0	4.2
Durable goods .....	1.9	-2	2.3	1.2	.4	.7	-1	-1.7
Nondurable goods .....	8.1	8.0	4.2	6.9	11.5	10.0	4.3	6.3
Residual .....	0	-1.0	.1	.9	-1.2	-1.5	-1.3	-6

NOTE.—Chained (1992) dollar series for real change in business inventories are calculated as the period-to-period change in chained-dollar end-of-period inventories. Quarterly changes in end-of-period inventories are stated at annual rates. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table 5.12.—Inventories and Domestic Final Sales of Business by Industry Group

[Billions of dollars]

	Seasonally adjusted quarterly totals					
	1997		1998			
	III	IV	I	II	III	IV
<b>Inventories</b> <sup>1</sup> .....	<b>1,339.9</b>	<b>1,348.4</b>	<b>1,363.6</b>	<b>1,366.5</b>	<b>1,369.1</b>	<b>1,371.5</b>
Farm .....	110.5	109.1	110.8	108.9	103.9	102.4
Nonfarm .....	1,229.4	1,239.3	1,252.8	1,257.6	1,265.2	1,269.0
Durable goods .....	704.1	711.0	721.5	720.0	721.8	725.5
Nondurable goods .....	525.2	528.3	531.3	537.6	543.4	543.5
Manufacturing .....	458.6	462.0	466.1	469.1	471.1	470.4
Durable goods .....	286.0	287.9	292.1	295.4	296.1	295.3
Nondurable goods .....	172.7	174.1	174.0	173.7	175.0	175.1
Wholesale trade .....	317.8	321.0	324.8	326.0	332.0	334.1
Durable goods .....	199.1	200.5	206.2	205.6	208.4	209.9
Nondurable goods .....	118.8	120.5	118.6	120.4	123.6	124.2
Merchant wholesalers .....	272.9	276.0	280.2	280.7	286.7	288.4
Durable goods .....	172.4	173.6	178.7	177.9	180.4	181.4
Nondurable goods .....	100.4	102.5	101.4	102.8	106.3	107.0
Nonmerchant wholesalers .....	45.0	44.9	44.6	45.2	45.4	45.7
Durable goods .....	26.6	26.9	27.4	27.7	28.0	28.5
Nondurable goods .....	18.4	18.0	17.2	17.5	17.3	17.2
Retail trade .....	318.1	321.4	325.3	323.6	323.0	325.8
Durable goods .....	172.1	175.3	175.8	171.3	169.8	173.5
Motor vehicle dealers .....	85.6	88.0	86.9	83.2	81.2	83.5
Other .....	86.5	87.4	88.8	88.1	88.6	90.1
Nondurable goods .....	146.0	146.0	149.5	152.3	153.2	152.2
Other .....	134.8	135.0	136.6	138.9	139.1	138.8
Durable goods .....	47.1	47.3	47.4	47.6	47.5	46.8
Nondurable goods .....	87.8	87.7	89.2	91.3	91.6	92.0
<b>Final sales of domestic business</b> <sup>2</sup> .....	<b>569.7</b>	<b>574.6</b>	<b>582.3</b>	<b>590.6</b>	<b>596.0</b>	<b>606.7</b>
<b>Final sales of goods and structures of domestic business</b> <sup>2</sup> .....	<b>305.7</b>	<b>306.8</b>	<b>312.5</b>	<b>315.2</b>	<b>316.9</b>	<b>324.6</b>
<b>Ratio of inventories to final sales of domestic business</b>						
Inventories to final sales .....	2.35	2.35	2.34	2.31	2.30	2.26
Nonfarm inventories to final sales .....	2.16	2.16	2.15	2.13	2.12	2.09
Nonfarm inventories to final sales of goods and structures .....	4.02	4.04	4.01	3.99	3.99	3.91

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this table is not the current-dollar change in business inventories (CBI) component of GDP. The former is the difference between two inventory stocks, each valued at their respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates; whereas, CBI is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government and includes a small amount of final sales by farm.

Table 5.13.—Real Inventories and Real Domestic Final Sales of Business by Industry Group

[Billions of chained (1992) dollars]

	Seasonally adjusted quarterly totals					
	1997		1998			
	III	IV	I	II	III	IV
<b>Inventories</b> <sup>1</sup> .....	<b>1,260.8</b>	<b>1,277.5</b>	<b>1,300.3</b>	<b>1,309.9</b>	<b>1,323.8</b>	<b>1,336.0</b>
Farm .....	108.6	109.6	110.9	113.1	115.3	117.3
Nonfarm .....	1,151.7	1,167.4	1,188.9	1,196.4	1,208.1	1,218.5
Durable goods .....	664.4	672.4	684.2	685.3	689.9	697.0
Nondurable goods .....	487.3	494.9	504.6	511.0	518.1	521.5
Manufacturing .....	430.8	435.2	442.8	448.7	453.5	458.3
Durable goods .....	273.8	275.8	281.1	285.9	288.9	291.0
Nondurable goods .....	157.1	159.5	161.8	163.0	164.8	167.4
Wholesale trade .....	299.8	304.9	311.6	313.5	320.9	323.4
Durable goods .....	192.4	194.5	200.8	201.2	205.0	207.0
Nondurable goods .....	107.7	110.6	111.2	112.6	116.2	116.6
Merchant wholesalers .....	256.8	261.3	267.5	268.7	275.7	277.3
Durable goods .....	166.2	168.0	173.6	173.6	177.0	178.5
Nondurable goods .....	90.9	93.5	94.1	95.3	99.0	99.1
Nonmerchant wholesalers .....	43.0	43.6	44.1	44.8	45.2	46.0
Durable goods .....	26.2	26.5	27.1	27.6	28.0	28.6
Nondurable goods .....	16.9	17.1	17.0	17.3	17.2	17.5
Retail trade .....	298.7	302.9	307.3	304.3	302.9	305.1
Durable goods .....	157.6	161.2	161.6	157.5	155.6	158.8
Motor vehicle dealers .....	77.0	79.6	78.7	75.3	73.0	74.9
Other .....	80.7	81.5	82.9	82.3	82.8	84.1
Nondurable goods .....	140.7	141.3	145.3	146.6	147.2	146.0
Other .....	122.4	124.4	127.3	129.9	130.9	131.9
Durable goods .....	40.7	41.0	41.0	41.2	41.2	40.8
Nondurable goods .....	81.8	83.5	86.4	88.9	90.0	91.5
Residual .....	.2	.6	.4	-.2	-.6	-.7
<b>Final sales of domestic business</b> <sup>2</sup> .....	<b>512.3</b>	<b>515.5</b>	<b>521.6</b>	<b>528.4</b>	<b>532.2</b>	<b>541.0</b>
<b>Final sales of goods and structures of domestic business</b> <sup>2</sup> .....	<b>287.3</b>	<b>288.4</b>	<b>294.0</b>	<b>296.5</b>	<b>298.0</b>	<b>305.4</b>
<b>Ratio of inventories to final sales of domestic business</b>						
Inventories to final sales .....	2.46	2.48	2.49	2.48	2.49	2.47
Nonfarm inventories to final sales .....	2.25	2.26	2.28	2.26	2.27	2.25
Nonfarm inventories to final sales of goods and structures .....	4.01	4.05	4.04	4.03	4.05	3.99

1. Inventories are as of the end of the quarter. Quarter-to-quarter changes calculated from this table are at quarterly rates, whereas, the change in the business inventories component of GDP is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government and includes a small amount of final sales by farm.

NOTE.—Chained (1992) dollar inventory series are calculated as the product of the chain-type quantity index and the average of the end-of-year fixed-weighted inventories for 1991 and 1992, divided by 100. Chained (1992) dollar final sales series are calculated as the product of the chain-type index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines for inventories.

## 6. Income and Employment by Industry

Table 6.1C.—National Income Without Capital Consumption Adjustment by Industry Group

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>National income without capital consumption adjustment</b> .....	<b>6,598.0</b>	<b>6,655.8</b>	<b>6,716.0</b>	<b>6,817.1</b>	<b>6,882.3</b>	<b>6,963.3</b>		
<b>Domestic industries</b> .....	<b>6,606.0</b>	<b>6,664.5</b>	<b>6,735.4</b>	<b>6,832.2</b>	<b>6,901.3</b>	<b>6,990.6</b>		
<b>Private industries</b> .....	<b>5,728.5</b>	<b>5,783.9</b>	<b>5,849.7</b>	<b>5,937.2</b>	<b>5,999.1</b>	<b>6,080.4</b>		
Agriculture, forestry, and fishing .....	106.0	107.5	103.0	99.9	102.0	100.9		
Mining .....	52.5	52.8	53.8	54.9	51.2	49.0		
Construction .....	305.1	306.0	312.5	320.1	326.7	334.3		
Manufacturing .....	1,151.0	1,168.8	1,175.1	1,170.9	1,169.3	1,170.3		
Durable goods .....	659.4	674.1	680.0	678.8	680.2	682.7		
Nondurable goods .....	491.6	494.6	495.1	492.1	489.1	487.6		
Transportation and public utilities .....	480.9	484.4	489.4	497.3	495.1	503.9		
Transportation .....	208.0	210.6	213.6	213.7	214.9	217.2		
Communications .....	139.3	141.4	142.0	148.5	147.3	150.8		
Electric, gas, and sanitary services .....	133.6	132.4	133.8	135.0	132.9	136.0		
Wholesale trade .....	384.2	389.4	390.3	400.9	408.5	414.0		
Retail trade .....	543.2	546.6	552.8	567.0	576.5	584.4		
Finance, insurance, and real estate .....	1,192.0	1,201.9	1,223.0	1,245.4	1,264.4	1,281.8		
Services .....	1,513.6	1,526.5	1,549.8	1,580.6	1,605.4	1,641.6		
<b>Government</b> .....	<b>877.5</b>	<b>880.6</b>	<b>885.7</b>	<b>895.0</b>	<b>902.2</b>	<b>910.2</b>		
<b>Rest of the world</b> .....	<b>-8.0</b>	<b>-8.7</b>	<b>-19.6</b>	<b>-14.8</b>	<b>-18.8</b>	<b>-27.0</b>		

Table 6.16C.—Corporate Profits by Industry Group

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>817.9</b>	<b>840.9</b>	<b>820.8</b>	<b>829.2</b>	<b>820.6</b>	<b>827.0</b>		
<b>Domestic industries</b> .....	<b>718.9</b>	<b>738.6</b>	<b>728.8</b>	<b>730.6</b>	<b>723.3</b>	<b>737.0</b>		
Financial .....	124.7	123.3	129.5	131.3	130.1	129.5		
Nonfinancial .....	594.2	615.2	599.3	599.3	593.2	607.5		
<b>Rest of the world</b> .....	<b>99.0</b>	<b>102.3</b>	<b>92.0</b>	<b>98.6</b>	<b>97.3</b>	<b>89.9</b>		
Receipts from the rest of the world .....	149.5	157.2	142.5	146.1	146.0	140.5		
Less: Payments to the rest of the world .....	50.4	54.8	50.6	47.5	48.7	50.5		
<b>Corporate profits with inventory valuation adjustment</b> .....	<b>741.2</b>	<b>763.7</b>	<b>740.7</b>	<b>744.3</b>	<b>731.3</b>	<b>732.1</b>		
<b>Domestic industries</b> .....	<b>642.2</b>	<b>661.4</b>	<b>648.7</b>	<b>645.8</b>	<b>633.9</b>	<b>642.2</b>		
Financial .....	130.0	128.6	134.7	136.3	134.4	133.2		
Federal Reserve banks .....	23.3	23.6	24.1	24.5	24.4	24.7		
Other .....	106.6	105.0	110.6	111.8	110.0	108.5		
Nonfinancial .....	512.3	532.8	514.0	509.4	499.5	509.0		
Manufacturing .....	214.4	228.9	212.3	197.1	194.6	195.0		
Durable goods .....	107.3	120.0	107.5	100.8	104.5	109.4		
Primary metal industries .....	5.6	6.6	5.8	6.3	5.7	4.9		
Fabricated metal products .....	15.5	17.3	15.7	12.6	15.5	17.5		
Industrial machinery and equipment .....	27.6	31.5	30.1	23.2	28.5	30.4		
Electronic and other electric equipment .....	24.8	27.6	24.0	21.9	19.8	20.5		
Motor vehicles and equipment .....	3.8	6.0	2.1	6.2	4.9	4.6		
Other .....	30.0	31.0	29.8	30.7	30.1	31.5		
Nondurable goods .....	107.1	109.0	104.8	96.2	90.2	85.6		
Food and kindred products .....	22.7	22.2	25.9	20.6	21.4	22.0		
Chemicals and allied products .....	28.1	28.9	28.4	27.0	18.9	18.4		
Petroleum and coal products .....	18.0	18.2	14.9	10.9	10.0	7.2		
Other .....	38.3	39.7	35.7	37.8	39.8	38.0		
Transportation and public utilities .....	88.4	88.3	88.6	91.7	87.5	92.7		
Transportation .....	17.6	18.0	17.0	17.3	17.5	18.5		
Communications .....	31.2	32.3	31.3	34.1	32.5	34.8		
Electric, gas, and sanitary services .....	39.7	38.0	40.3	40.3	37.5	39.5		
Wholesale trade .....	49.8	52.7	47.6	51.5	53.5	53.9		
Retail trade .....	61.2	62.7	62.2	67.4	67.4	67.1		
Other .....	98.5	100.1	103.4	101.8	96.5	100.2		
<b>Rest of the world</b> .....	<b>99.0</b>	<b>102.3</b>	<b>92.0</b>	<b>98.6</b>	<b>97.3</b>	<b>89.9</b>		

NOTE.— Estimates in this table are based on the 1987 Standard Industrial Classification.



**Table 7.2.—Quantity and Price Indexes for Gross Domestic Product, Final Sales, and Purchases**

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product:</b>								
Current dollars	129.89	136.26	130.85	132.19	134.27	135.17	136.73	138.89
Chain-type quantity index	116.42	120.91	117.08	117.94	119.54	120.09	121.17	122.83
Chain-type price index	111.57	112.71	111.77	112.09	112.33	112.57	112.85	113.09
Implicit price deflator	111.57	112.70	111.76	112.08	112.32	112.56	112.84	113.07
<b>Final sales of domestic product:</b>								
Current dollars	128.95	135.45	130.12	131.19	132.89	134.69	135.97	138.24
Chain-type quantity index	115.49	120.06	116.33	116.95	118.20	119.54	120.36	122.12
Chain-type price index	111.66	112.84	111.87	112.19	112.45	112.69	112.99	113.23
Implicit price deflator	111.66	112.82	111.85	112.17	112.43	112.67	112.97	113.21
<b>Gross domestic purchases:</b>								
Current dollars	130.77	138.08	131.74	133.14	135.61	137.07	138.72	140.91
Chain-type quantity index	117.89	123.79	118.63	119.57	121.85	123.03	124.30	125.98
Chain-type price index	110.92	111.54	111.06	111.34	111.29	111.42	111.60	111.85
Implicit price deflator	110.92	111.54	111.05	111.35	111.29	111.42	111.60	111.85
<b>Final sales to domestic purchasers:</b>								
Current dollars	129.84	137.27	131.02	132.14	134.23	136.60	137.97	140.27
Chain-type quantity index	116.97	122.94	117.89	118.59	120.51	122.49	123.50	125.27
Chain-type price index	111.00	111.66	111.15	111.44	111.40	111.53	111.72	111.98
Implicit price deflator	111.00	111.65	111.14	111.43	111.39	111.52	111.71	111.97
<b>Addenda:</b>								
Chain-type price indexes for gross domestic purchases:								
Food	111.24	112.90	111.62	111.95	112.18	112.50	113.16	113.76
Energy	107.69	98.28	106.54	107.09	100.84	98.80	97.22	96.27
Gross domestic purchases less food and energy	111.05	112.00	111.23	111.49	111.69	111.88	112.09	112.36

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

**Table 7.4.—Chain-Type Quantity and Price Indexes for Personal Consumption Expenditures by Major Type of Product**

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Chain-type quantity indexes</b>								
<b>Personal consumption expenditures</b>	<b>116.44</b>	<b>122.07</b>	<b>117.23</b>	<b>118.04</b>	<b>119.79</b>	<b>121.58</b>	<b>122.80</b>	<b>124.12</b>
<b>Durable goods</b>	<b>136.86</b>	<b>150.63</b>	<b>139.12</b>	<b>140.17</b>	<b>145.39</b>	<b>149.30</b>	<b>150.18</b>	<b>157.64</b>
Motor vehicles and parts	115.66	125.05	118.15	117.33	119.77	125.13	122.10	133.21
Furniture and household equipment	162.50	183.31	165.15	168.01	177.34	179.20	185.88	190.82
Other	138.41	150.07	139.26	141.74	146.43	150.12	150.74	152.97
<b>Nondurable goods</b>	<b>112.44</b>	<b>116.74</b>	<b>113.16</b>	<b>113.05</b>	<b>115.09</b>	<b>116.57</b>	<b>117.19</b>	<b>118.12</b>
Food	105.96	108.65	106.15	106.06	107.10	108.54	108.93	110.02
Clothing and shoes	127.87	137.57	129.44	129.62	136.29	138.07	137.36	138.55
Gasoline and oil	110.59	112.42	111.08	110.79	111.18	111.10	113.60	113.80
Fuel oil and coal	93.96	87.56	97.69	92.27	84.48	89.08	91.10	85.59
Other	116.99	122.49	118.25	118.17	120.30	122.06	123.39	124.22
<b>Services</b>	<b>114.61</b>	<b>119.51</b>	<b>115.19</b>	<b>116.41</b>	<b>117.42</b>	<b>118.98</b>	<b>120.56</b>	<b>121.06</b>
Housing	110.92	113.63	111.24	111.93	112.67	113.28	113.95	114.62
Household operation	121.36	127.90	122.87	125.31	123.38	127.48	131.47	129.27
Electricity and gas	108.85	109.67	109.94	111.09	103.67	110.13	116.21	108.68
Other household operation	130.63	141.47	132.46	135.87	138.04	140.42	142.87	144.56
Transportation	134.28	139.35	135.22	136.61	137.85	140.09	139.49	139.96
Medical care	108.52	111.80	108.90	109.70	110.55	111.60	112.17	112.90
Other	117.02	124.80	117.63	119.29	121.58	123.53	126.57	127.53
<b>Chain-type price indexes</b>								
<b>Personal consumption expenditures</b>	<b>111.81</b>	<b>112.71</b>	<b>112.00</b>	<b>112.30</b>	<b>112.30</b>	<b>112.55</b>	<b>112.84</b>	<b>113.17</b>
<b>Durable goods</b>	<b>100.66</b>	<b>98.33</b>	<b>100.23</b>	<b>99.62</b>	<b>99.27</b>	<b>98.72</b>	<b>97.98</b>	<b>97.35</b>
Motor vehicles and parts	112.65	111.85	112.31	111.88	111.79	111.55	111.89	112.18
Furniture and household equipment	88.20	84.18	87.57	86.75	85.92	85.14	83.55	82.09
Other	103.41	102.56	103.34	102.92	103.29	102.74	102.21	102.00
<b>Nondurable goods</b>	<b>107.69</b>	<b>107.69</b>	<b>107.72</b>	<b>107.95</b>	<b>107.35</b>	<b>107.41</b>	<b>107.80</b>	<b>108.20</b>
Food	111.67	113.54	112.10	112.45	112.74	113.10	113.88	114.46
Clothing and shoes	96.39	94.67	96.20	96.00	94.68	94.84	94.79	94.38
Gasoline and oil	107.33	93.92	106.11	106.60	98.05	94.17	92.19	91.27
Fuel oil and coal	109.60	99.80	105.38	106.02	103.44	101.20	98.30	96.24
Other	108.30	110.59	108.26	108.52	109.36	110.06	110.90	112.04
<b>Services</b>	<b>116.61</b>	<b>118.80</b>	<b>117.04</b>	<b>117.59</b>	<b>118.00</b>	<b>118.55</b>	<b>119.05</b>	<b>119.59</b>
Housing	115.66	119.44	116.11	117.00	117.90	119.00	119.92	120.94
Household operation	108.65	106.86	108.31	108.33	106.96	107.19	106.73	106.56
Electricity and gas	108.79	105.16	108.38	109.12	105.69	105.76	104.86	104.34
Other household operation	108.68	107.95	108.38	107.95	107.80	108.12	107.93	107.96
Transportation	113.23	114.66	113.32	114.06	114.51	114.35	114.92	114.86
Medical care	120.18	122.82	120.52	120.95	121.92	122.54	123.13	123.70
Other	117.91	120.02	118.77	119.28	119.45	119.78	120.17	120.69
<b>Addenda:</b>								
<b>Price indexes for personal consumption expenditures:</b>								
Food	111.67	113.54	112.10	112.45	112.74	113.10	113.88	114.46
Energy <sup>1</sup>	108.13	99.48	107.17	107.79	101.89	99.93	98.44	97.67
Personal consumption expenditures less food and energy	112.10	113.41	112.32	112.59	112.89	113.25	113.57	113.92

1. Consists of prices for gasoline and oil, fuel oil and coal, and electricity and gas.

**Table 7.3.—Quantity and Price Indexes for Gross National Product and Command-Basis Gross National Product**

[Index numbers, 1992=100]

<b>Gross national product:</b>							
Current dollars	129.53	130.48	131.64	133.79	134.63	136.05	138.24
Chain-type quantity index	116.16	116.81	117.51	119.18	119.67	120.64	122.83
Chain-type price index	111.51	111.72	112.04	112.28	112.51	112.79	113.09
Implicit price deflator	111.52	111.70	112.03	112.26	112.50	112.78	113.07
<b>Less: Exports of goods and services and receipts of factor income:</b>							
Chain-type quantity index	155.43	158.77	158.99	158.60	156.14	154.52	152.97
<b>Plus: Command-basis exports of goods and services and receipts of factor income:</b>							
Chain-type quantity index	160.36	164.29	164.67	166.77	165.08	164.02	162.47
<b>Equals: Command-basis gross national product:</b>							
Chain-type quantity index	116.77	117.50	118.22	120.19	120.78	121.82	124.00

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.6.—Chain-Type Quantity and Price Indexes for Private Fixed Investment by Type

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Chain-type quantity indexes</b>								
<b>Private fixed investment</b>	<b>145.25</b>	<b>161.97</b>	<b>147.98</b>	<b>149.28</b>	<b>156.36</b>	<b>161.36</b>	<b>162.23</b>	<b>167.92</b>
<b>Nonresidential</b>	<b>154.04</b>	<b>172.41</b>	<b>158.13</b>	<b>158.86</b>	<b>167.04</b>	<b>172.15</b>	<b>171.84</b>	<b>178.62</b>
<b>Structures</b>	<b>120.09</b>	<b>119.97</b>	<b>121.29</b>	<b>121.56</b>	<b>120.06</b>	<b>119.36</b>	<b>119.42</b>	<b>121.03</b>
Nonresidential buildings, including farm	132.99	133.06	134.27	132.12	132.62	132.32	132.58	134.71
Utilities	83.31	85.80	84.35	84.59	84.77	85.64	86.08	86.71
Mining exploration, shafts, and wells	134.77	127.10	139.96	141.90	134.72	127.70	123.57	122.39
Other structures	70.12	69.79	63.73	95.34	68.64	67.01	70.27	73.24
<b>Producers' durable equipment</b>	<b>170.04</b>	<b>198.50</b>	<b>175.62</b>	<b>176.58</b>	<b>190.08</b>	<b>198.43</b>	<b>197.91</b>	<b>207.58</b>
Information processing and related equipment	222.13	289.48	232.17	239.04	263.41	280.84	297.80	315.88
Computers and peripheral equipment <sup>1</sup>	488.82	802.44	523.22	552.78	664.79	754.21	843.02	947.72
Other	140.28	156.46	144.09	145.72	151.52	154.79	158.26	161.26
Industrial equipment	140.93	148.76	143.00	144.03	147.28	148.36	148.98	150.40
Transportation and related equipment	162.83	188.91	169.27	166.94	185.27	194.89	176.07	199.40
Other	142.95	155.93	146.25	144.39	152.09	157.63	159.20	154.80
<b>Residential</b>	<b>125.36</b>	<b>138.36</b>	<b>125.14</b>	<b>127.64</b>	<b>132.34</b>	<b>137.05</b>	<b>140.31</b>	<b>143.73</b>
<b>Structures</b>	<b>125.33</b>	<b>138.44</b>	<b>125.07</b>	<b>127.62</b>	<b>132.34</b>	<b>137.10</b>	<b>140.43</b>	<b>143.89</b>
Single family	117.72	131.40	116.78	119.34	124.67	129.88	133.54	137.50
Multifamily	154.04	162.90	149.30	160.01	169.09	158.07	158.70	165.72
Other structures	131.79	144.74	133.12	134.47	137.71	144.15	147.42	149.68
<b>Producers' durable equipment</b>	<b>126.88</b>	<b>135.09</b>	<b>128.14</b>	<b>128.56</b>	<b>132.40</b>	<b>135.23</b>	<b>135.42</b>	<b>137.30</b>
<b>Chain-type price indexes</b>								
<b>Private fixed investment</b>	<b>104.45</b>	<b>103.20</b>	<b>104.50</b>	<b>104.37</b>	<b>103.81</b>	<b>103.33</b>	<b>102.91</b>	<b>102.73</b>
<b>Nonresidential</b>	<b>100.15</b>	<b>97.72</b>	<b>100.04</b>	<b>99.64</b>	<b>98.90</b>	<b>98.12</b>	<b>97.21</b>	<b>96.66</b>
<b>Structures</b>	<b>118.22</b>	<b>121.56</b>	<b>118.83</b>	<b>119.79</b>	<b>120.58</b>	<b>121.49</b>	<b>121.85</b>	<b>122.34</b>
Nonresidential buildings, including farm	117.79	121.85	118.41	119.57	120.29	121.38	122.38	123.33
Utilities	116.62	117.60	117.05	116.73	117.13	117.36	117.91	118.00
Mining exploration, shafts, and wells	126.85	127.96	127.82	128.91	131.00	131.83	126.05	122.95
Other structures	115.51	118.22	115.87	117.39	117.66	117.60	118.43	119.19
<b>Producers' durable equipment</b>	<b>93.88</b>	<b>89.84</b>	<b>93.54</b>	<b>92.75</b>	<b>91.57</b>	<b>90.35</b>	<b>89.13</b>	<b>88.31</b>
Information processing and related equipment	69.31	60.34	68.31	66.63	64.12	61.49	58.89	56.85
Computers and peripheral equipment <sup>1</sup>	37.75	27.20	36.25	34.25	31.23	28.40	25.65	23.54
Other	99.14	98.04	99.24	98.84	98.58	98.04	97.79	97.75
Industrial equipment	110.12	110.87	110.17	110.46	110.52	110.77	110.80	111.40
Transportation and related equipment	108.35	108.05	108.87	108.37	107.99	107.91	108.06	108.24
Other	109.15	110.30	109.01	109.34	109.84	109.97	110.33	111.06
<b>Residential</b>	<b>115.96</b>	<b>118.35</b>	<b>116.50</b>	<b>117.20</b>	<b>117.21</b>	<b>117.71</b>	<b>118.77</b>	<b>119.71</b>
<b>Structures</b>	<b>116.29</b>	<b>118.75</b>	<b>116.85</b>	<b>117.58</b>	<b>118.10</b>	<b>119.17</b>	<b>120.16</b>	
Single family	119.90	122.30	120.52	121.36	121.04	121.45	122.68	124.02
Multifamily	112.20	114.42	112.79	113.49	113.25	113.62	114.78	116.02
Other structures	112.11	114.67	112.59	113.19	113.59	114.27	115.14	115.66
<b>Producers' durable equipment</b>	<b>104.03</b>	<b>103.67</b>	<b>103.54</b>	<b>103.18</b>	<b>103.92</b>	<b>103.41</b>	<b>103.92</b>	<b>103.45</b>

1. Includes new computers and peripheral equipment only.

Table 7.9.—Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services and for Receipts and Payments of Factor Income

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Chain-type quantity indexes</b>								
<b>Exports of goods and services</b>	<b>151.70</b>	<b>153.93</b>	<b>154.53</b>	<b>156.21</b>	<b>155.12</b>	<b>152.03</b>	<b>150.96</b>	<b>157.60</b>
Goods <sup>1</sup>	161.92	165.39	165.07	168.25	166.82	161.87	162.10	170.76
Durable	184.30	190.60	189.57	192.15	192.06	184.87	187.09	198.39
Nondurable	122.31	121.19	122.04	126.07	122.56	121.32	118.34	122.53
Services <sup>1</sup>	129.48	129.23	131.64	130.32	129.91	130.46	126.93	129.60
<b>Receipts of factor income</b>	<b>172.59</b>	<b>178.10</b>	<b>172.29</b>	<b>174.77</b>	<b>174.79</b>	<b>170.96</b>		
<b>Imports of goods and services</b>	<b>165.35</b>	<b>183.22</b>	<b>169.00</b>	<b>171.59</b>	<b>177.95</b>	<b>181.97</b>	<b>183.02</b>	<b>189.93</b>
Goods <sup>1</sup>	173.56	193.99	177.43	180.19	187.38	192.49	193.87	202.22
Durable	192.73	217.87	196.63	201.07	209.81	215.18	216.42	230.07
Nondurable	141.26	154.24	144.99	145.23	149.97	154.59	156.18	156.22
Services <sup>1</sup>	130.39	138.12	133.11	135.01	138.03	137.82	137.60	139.03
<b>Payments of factor income</b>	<b>189.82</b>	<b>196.25</b>	<b>197.50</b>	<b>196.82</b>	<b>199.34</b>	<b>200.76</b>		
<b>Chain-type price indexes</b>								
<b>Exports of goods and services</b>	<b>99.53</b>	<b>97.39</b>	<b>99.36</b>	<b>98.97</b>	<b>98.13</b>	<b>97.68</b>	<b>96.98</b>	<b>96.76</b>
Goods <sup>1</sup>	94.75	91.67	94.54	93.89	92.78	92.07	91.18	90.65
Durable	87.10	84.98	86.84	86.23	85.69	85.23	84.64	84.35
Nondurable	113.58	107.69	113.58	112.85	109.99	108.54	106.75	105.47
Services <sup>1</sup>	112.18	112.89	112.11	112.53	112.52	112.84	112.73	113.46
<b>Receipts of factor income</b>	<b>111.56</b>	<b>111.70</b>	<b>112.09</b>	<b>112.16</b>	<b>112.27</b>	<b>112.42</b>		
<b>Imports of goods and services</b>	<b>95.72</b>	<b>90.69</b>	<b>95.16</b>	<b>94.62</b>	<b>92.05</b>	<b>90.98</b>	<b>89.87</b>	<b>89.84</b>
Goods <sup>1</sup>	93.94	88.34	93.32	92.81	90.07	88.72	87.42	87.14
Durable	88.29	84.68	88.14	87.33	86.02	85.01	83.98	83.69
Nondurable	106.63	96.32	104.91	105.15	98.99	96.82	94.86	94.62
Services <sup>1</sup>	105.33	103.78	105.10	104.40	102.85	103.52	103.63	105.14
<b>Payments of factor income</b>	<b>113.61</b>	<b>113.74</b>	<b>114.15</b>	<b>114.23</b>	<b>114.46</b>	<b>114.71</b>		

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.







Table 7.14.—Chain-Type Quantity and Price Indexes for Gross Domestic Product by Sector

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted						
			1997		1998				
			III	IV	I	II	III	IV	
<b>Chain-type quantity indexes</b>									
<b>Gross domestic product</b>	<b>116.42</b>	<b>120.91</b>	<b>117.08</b>	<b>117.94</b>	<b>119.54</b>	<b>120.09</b>	<b>121.17</b>	<b>122.83</b>	
<b>Business</b> <sup>1</sup>	<b>118.91</b>	<b>124.06</b>	<b>119.65</b>	<b>120.66</b>	<b>122.53</b>	<b>123.11</b>	<b>124.33</b>	<b>126.24</b>	
Nonfarm <sup>1</sup>	119.02	124.19	119.70	120.81	122.66	123.25	124.45	126.40	
Nonfarm less housing	119.95	125.56	120.70	121.90	124.02	124.56	125.77	127.88	
Housing	111.29	113.04	111.50	111.81	111.60	112.58	113.64	114.35	
Farm	112.04	114.43	116.25	110.25	113.12	113.40	116.17	115.05	
<b>Households and institutions</b>	<b>115.20</b>	<b>117.83</b>	<b>115.79</b>	<b>116.49</b>	<b>117.06</b>	<b>117.43</b>	<b>118.04</b>	<b>118.81</b>	
Private households	101.12	98.50	100.63	99.38	97.46	98.19	98.78	99.57	
Nonprofit institutions	115.74	118.58	116.38	117.15	117.82	118.17	118.78	119.55	
<b>General government</b> <sup>2</sup>	<b>100.66</b>	<b>101.65</b>	<b>100.91</b>	<b>100.81</b>	<b>101.10</b>	<b>101.44</b>	<b>101.84</b>	<b>102.23</b>	
Federal	85.80	84.61	85.82	84.75	84.71	84.51	84.55	84.66	
State and local	108.83	111.04	109.20	109.64	110.12	110.76	111.37	111.91	
<b>Chain-type price indexes</b>									
<b>Gross domestic product</b>	<b>111.57</b>	<b>112.71</b>	<b>111.77</b>	<b>112.09</b>	<b>112.33</b>	<b>112.57</b>	<b>112.85</b>	<b>113.09</b>	
<b>Business</b> <sup>1</sup>	<b>110.89</b>	<b>111.76</b>	<b>111.11</b>	<b>111.38</b>	<b>111.52</b>	<b>111.66</b>	<b>111.86</b>	<b>112.01</b>	
Nonfarm <sup>1</sup>	111.06	112.09	111.32	111.60	111.83	111.96	112.21	112.35	
Nonfarm less housing	110.54	111.29	110.78	111.01	111.16	111.19	111.37	111.42	
Housing	115.66	119.27	116.07	116.81	117.76	118.79	119.75	120.77	
Farm	99.93	90.20	97.13	96.93	91.17	92.03	88.09	89.53	
<b>Households and institutions</b>	<b>112.42</b>	<b>115.73</b>	<b>112.50</b>	<b>112.88</b>	<b>113.59</b>	<b>115.33</b>	<b>116.54</b>	<b>117.46</b>	
Private households	117.56	121.63	118.17	119.63	120.13	121.10	122.21	123.08	
Nonprofit institutions	112.24	115.52	112.30	112.64	113.36	115.13	116.34	117.27	
<b>General government</b> <sup>2</sup>	<b>116.12</b>	<b>118.53</b>	<b>116.28</b>	<b>116.92</b>	<b>117.80</b>	<b>118.19</b>	<b>118.75</b>	<b>119.37</b>	
Federal	119.48	121.49	119.33	119.89	121.38	121.25	121.47	121.86	
State and local	114.57	117.14	114.85	115.53	116.16	116.77	117.46	118.18	

1. Gross domestic business product equals gross domestic product less gross product of households and institutions and of general government. Gross nonfarm product equals gross domestic business product less gross farm product.

2. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 7.15.—Current-Dollar Cost and Profit Per Unit of Real Gross Domestic Product of Nonfinancial Corporate Business

[Dollars]

<b>Current-dollar cost and profit per unit of real gross domestic product</b> <sup>1</sup>	<b>1.063</b>	<b>1.063</b>	<b>1.063</b>	<b>1.061</b>	<b>1.061</b>	<b>1.062</b>
Consumption of fixed capital	.100	.100	.100	.099	.100	.099
Net domestic product	.963	.963	.963	.962	.962	.962
Indirect business tax and nontax liability plus business transfer payments less subsidies	.105	.105	.105	.105	.104	.104
Domestic income	.857	.858	.858	.858	.857	.858
Compensation of employees	.691	.688	.695	.697	.699	.699
Corporate profits with inventory valuation and capital consumption adjustments	.143	.147	.141	.139	.136	.138
Profits tax liability	.041	.042	.040	.037	.037	.037
Profits after tax with inventory valuation and capital consumption adjustments	.102	.104	.101	.102	.099	.100
Net interest	.023	.023	.022	.022	.022	.022

1. Equals the deflator for gross domestic product of nonfinancial corporate business with the decimal point shifted two places to the left.

Table 7.16.—Implicit Price Deflators for Inventories of Business by Industry Group

[Index numbers, 1992=100]

	Seasonally adjusted					
	1997		1998			
	III	IV	I	II	III	IV
<b>Inventories</b> <sup>1</sup>	<b>106.27</b>	<b>105.55</b>	<b>104.86</b>	<b>104.33</b>	<b>103.42</b>	<b>102.65</b>
Farm	101.73	99.58	99.90	96.34	90.08	87.32
Nonfarm	106.74	106.16	105.37	105.12	104.72	104.14
Durable goods	105.99	105.74	105.45	105.06	104.63	104.10
Nondurable goods	107.78	106.74	105.29	105.21	104.87	104.22
Manufacturing	106.46	106.15	105.28	104.54	103.88	102.65
Durable goods	104.43	104.38	103.93	103.34	102.51	101.49
Nondurable goods	109.89	109.13	107.53	106.53	106.17	104.58
Wholesale	106.02	105.29	104.23	103.98	103.46	103.31
Durable goods	103.48	103.07	102.68	102.21	101.68	101.38
Nondurable goods	110.25	108.97	106.70	106.85	106.37	106.48
Merchant wholesalers	106.24	105.65	104.74	104.49	103.97	103.97
Durable goods	103.74	103.33	102.94	102.47	101.93	101.62
Nondurable goods	110.49	109.57	107.74	107.88	107.39	107.95
Nonmerchant wholesalers	104.68	103.15	101.12	100.89	100.44	99.33
Durable goods	101.77	101.37	101.00	100.52	100.04	99.79
Nondurable goods	109.03	105.72	101.08	101.26	100.86	98.34
Retail trade	106.49	106.08	105.87	106.36	106.61	106.76
Durable goods	109.15	108.80	108.79	108.78	109.14	109.24
Motor vehicle dealers	111.11	110.44	110.42	110.62	111.32	111.41
Other	107.18	107.16	107.14	106.95	107.00	107.11
Nondurable goods	103.79	103.32	102.88	103.90	104.05	104.25
Other	110.15	108.48	107.33	106.97	106.26	105.20
Durable goods	115.75	115.40	115.55	115.50	115.25	114.70
Nondurable goods	107.30	105.00	103.23	102.72	101.80	100.51

1. Implicit price deflators are as of the end of the quarter and are consistent with the inventory stocks shown in tables 5.12 and 5.13.

**Table 7.17.—Chain-Type Quantity Indexes for Gross Domestic Product by Major Type of Product**

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Gross domestic product</b>	<b>116.42</b>	<b>120.91</b>	<b>117.08</b>	<b>117.94</b>	<b>119.54</b>	<b>120.09</b>	<b>121.17</b>	<b>122.83</b>
Final sales of domestic product	115.49	120.06	116.33	116.95	118.20	119.54	120.36	122.12
Change in business inventories								
<b>Goods</b>	<b>123.56</b>	<b>129.64</b>	<b>124.52</b>	<b>125.68</b>	<b>129.29</b>	<b>127.95</b>	<b>129.04</b>	<b>132.27</b>
Final sales	120.99	127.30	122.47	122.94	125.51	126.52	126.83	130.35
Change in business inventories								
Durable goods	142.91	154.44	145.00	147.10	153.95	150.48	152.58	160.74
Final sales	137.89	150.07	141.40	141.97	147.05	148.46	148.90	155.87
Change in business inventories								
Nondurable goods	110.51	113.13	110.74	111.30	112.85	112.86	113.31	113.52
Final sales	109.42	111.93	109.57	109.97	110.92	111.67	111.89	113.23
Change in business inventories								
<b>Services</b>	<b>111.36</b>	<b>114.82</b>	<b>111.88</b>	<b>112.61</b>	<b>113.01</b>	<b>114.55</b>	<b>115.51</b>	<b>116.22</b>
<b>Structures</b>	<b>119.55</b>	<b>124.42</b>	<b>119.96</b>	<b>120.47</b>	<b>122.03</b>	<b>123.37</b>	<b>125.25</b>	<b>127.01</b>
<b>Addenda:</b>								
Motor vehicle output	127.05	131.00	129.15	133.81	130.82	126.99	123.27	142.93
Gross domestic product less motor vehicle output	116.06	120.56	116.67	117.40	119.15	119.85	121.09	122.14

**Table 7.18.—Chain-Type Quantity Indexes for Auto Output**

[Index numbers, 1992=100]

	1997	1998	Seasonally adjusted					
			1997		1998			
			III	IV	I	II	III	IV
<b>Auto output</b>	<b>98.92</b>	<b>93.70</b>	<b>101.19</b>	<b>100.64</b>	<b>95.91</b>	<b>87.97</b>	<b>91.64</b>	<b>99.30</b>
<b>Final sales</b>	<b>98.12</b>	<b>95.70</b>	<b>100.34</b>	<b>96.83</b>	<b>95.55</b>	<b>97.46</b>	<b>93.58</b>	<b>96.20</b>
Personal consumption expenditures	105.24	109.14	107.51	104.46	106.90	108.92	107.68	113.05
New autos	95.62	100.79	98.73	96.21	97.93	104.40	96.43	104.41
Net purchases of used autos	124.47	125.89	125.06	120.99	124.86	118.13	130.15	130.41
Producers' durable equipment	125.32	122.34	126.61	118.10	123.90	127.06	113.54	124.86
New autos	127.54	125.28	128.25	121.98	126.51	129.83	115.24	129.54
Net purchases of used autos	128.69	127.43	128.55	125.58	128.18	131.70	115.82	134.04
Net exports								
Exports	110.27	106.37	109.64	109.57	109.74	104.74	92.99	118.01
Imports	139.33	152.61	140.27	135.54	148.67	150.41	144.57	166.78
Gross government investment	89.31	94.59	92.71	91.78	79.51	96.67	100.29	101.88
<b>Change in business inventories of new and used autos</b>								
New								
Used								
<b>Addenda:</b>								
Domestic output of new autos <sup>1</sup>	110.36	104.86	113.34	110.46	105.39	97.38	105.25	111.41
Sales of imported new autos <sup>2</sup>	106.63	118.40	108.62	106.69	115.47	121.68	108.48	127.99

1. Consists of final sales and change in business inventories of new autos assembled in the United States.  
 2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

**Table 7.19.—Chain-Type Quantity Indexes for Truck Output**

[Index numbers, 1992=100]

<b>Truck output<sup>1</sup></b>	<b>167.41</b>	<b>184.55</b>	<b>169.26</b>	<b>181.39</b>	<b>180.93</b>	<b>183.04</b>	<b>168.66</b>	<b>205.55</b>
<b>Final sales</b>	<b>166.62</b>	<b>190.32</b>	<b>171.77</b>	<b>176.79</b>	<b>180.63</b>	<b>198.82</b>	<b>178.98</b>	<b>202.86</b>
Personal consumption expenditures	130.57	153.92	134.74	138.92	140.51	155.09	145.52	174.57
Producers' durable equipment	209.96	235.13	213.92	220.36	229.67	243.87	225.78	241.22
Net exports								
Exports	184.82	174.94	192.25	207.30	203.99	201.28	148.59	145.91
Imports	134.35	127.16	140.97	130.51	132.89	115.33	122.43	137.99
Gross government investment	122.69	118.19	141.46	112.14	106.46	130.04	98.50	137.76
<b>Change in business inventories</b>								

1. Includes new trucks only.



**Table 8.2.—Contributions to Percent Change in Real Gross Domestic Product**

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Percent change at annual rate:</b>								
Gross domestic product .....	3.9	3.9	4.2	3.0	5.5	1.8	3.7	5.6
<b>Percentage points at annual rates:</b>								
<b>Personal consumption expenditures</b>	<b>2.31</b>	<b>3.30</b>	<b>4.19</b>	<b>1.88</b>	<b>4.09</b>	<b>4.09</b>	<b>2.78</b>	<b>3.03</b>
Durable goods .....	.56	.80	1.30	.26	1.23	.91	.20	1.68
Nondurable goods .....	.49	.76	1.00	-.08	1.41	1.01	.42	.64
Services .....	1.26	1.74	1.85	1.70	1.40	2.14	2.15	.71
<b>Gross private domestic investment</b>	<b>1.65</b>	<b>1.54</b>	<b>.23</b>	<b>1.34</b>	<b>4.07</b>	<b>-.75</b>	<b>1.22</b>	<b>1.86</b>
Fixed investment .....	1.18	1.59	1.66	.48	2.82	1.95	.33	2.17
Nonresidential .....	1.08	1.17	1.67	.16	2.21	1.35	-.08	1.73
Structures .....	.20	.00	.35	.03	-.15	-.07	.01	.16
Producers' durable equipment .....	.88	1.17	1.32	.13	2.36	1.42	-.09	1.57
Residential .....	.10	.43	-.02	.32	.60	.60	.41	.44
Change in business inventories .....	.47	-.06	-1.41	.85	1.22	-2.66	.89	-.31
<b>Net exports of goods and services</b>	<b>-.27</b>	<b>-1.17</b>	<b>-.47</b>	<b>-.30</b>	<b>-2.24</b>	<b>-2.08</b>	<b>-.62</b>	<b>-.03</b>
Exports .....	1.43	.18	1.22	.53	-.33	-.92	-.32	1.94
Goods .....	1.21	.19	1.02	.67	-.29	-.98	.04	1.66
Services .....	.22	-.01	.20	-.14	-.04	.06	-.36	.27
Imports .....	-1.71	-1.35	-1.69	-.83	-1.94	-1.18	-.30	-1.96
Goods .....	-1.51	-1.23	-1.38	-.71	-1.75	-1.19	-.32	-1.87
Services .....	-.20	-.12	-.31	-.12	-.19	.01	.01	-.09
<b>Government consumption expenditures and gross investment</b>	<b>.24</b>	<b>.19</b>	<b>.25</b>	<b>.02</b>	<b>-.34</b>	<b>.64</b>	<b>.27</b>	<b>.72</b>
Federal .....	-.11	-.06	-.08	-.14	-.57	.44	-.09	.47
National defense .....	-.15	-.10	-.08	-.09	-.84	.38	.17	.05
Nondefense .....	.04	.04	.00	-.05	.26	.06	-.26	.42
State and local .....	.35	.24	.33	.15	.24	.20	.35	.25

**Table 8.3.—Selected Per Capita Product and Income Series in Current and Chained Dollars**

	[Dollars]							
	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
III			IV	I	II	III	IV	
<b>Current dollars:</b>								
Gross domestic product .....	30,278	31,490	30,468	30,707	31,132	31,277	31,561	31,986
Gross national product .....	30,248	31,490	30,436	30,634	31,077	31,207	31,461	31,986
Personal income .....	25,325	26,363	25,435	25,686	26,007	26,242	26,470	26,731
Disposable personal income .....	21,633	22,299	21,709	21,871	22,046	22,192	22,373	22,584
Personal consumption expenditures .....	20,508	21,487	20,660	20,807	21,078	21,394	21,612	21,859
Durable goods .....	2,512	2,677	2,540	2,538	2,618	2,668	2,657	2,765
Nondurable goods .....	5,975	6,151	6,008	6,001	6,064	6,134	6,173	6,231
Services .....	12,021	12,659	12,111	12,268	12,396	12,593	12,782	12,863
<b>Chained (1992) dollars:</b>								
Gross domestic product .....	27,138	27,941	27,263	27,397	27,718	27,786	27,970	28,288
Gross national product .....	27,125	27,941	27,248	27,345	27,683	27,739	27,897	28,288
Disposable personal income .....	19,349	19,785	19,385	19,478	19,632	19,719	19,829	19,958
Personal consumption expenditures .....	18,342	19,064	18,447	18,529	18,770	19,010	19,155	19,317
Durable goods .....	2,496	2,723	2,534	2,547	2,637	2,703	2,712	2,840
Nondurable goods .....	5,548	5,711	5,578	5,559	5,649	5,710	5,726	5,758
Services .....	10,309	10,656	10,349	10,434	10,506	10,623	10,738	10,757
Population (mid-period, thousands) .....	267,880	270,211	268,171	268,815	269,309	269,867	270,523	271,144

Table 8.4.—Auto Output

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Auto output</b> .....	<b>134.7</b>	<b>127.4</b>	<b>138.8</b>	<b>135.2</b>	<b>130.4</b>	<b>118.1</b>	<b>126.2</b>	<b>134.8</b>
<b>Final sales</b> .....	<b>134.8</b>	<b>130.3</b>	<b>137.5</b>	<b>131.8</b>	<b>130.1</b>	<b>132.5</b>	<b>127.8</b>	<b>130.9</b>
Personal consumption expenditures .....	143.5	147.5	145.7	141.0	144.2	146.9	145.5	153.3
New autos .....	86.2	90.2	89.0	86.3	87.7	93.3	86.5	93.3
Net purchases of used autos .....	57.3	57.3	56.6	54.7	56.5	53.6	59.0	60.0
Producers' durable equipment .....	45.7	44.8	46.9	43.7	45.8	46.7	41.7	45.2
New autos .....	79.9	78.0	80.4	76.1	78.8	80.7	71.9	80.5
Net purchases of used autos .....	-34.2	-33.1	-33.5	-32.4	-33.0	-34.0	-30.2	-35.3
Net exports .....	-56.4	-64.2	-57.2	-55.0	-61.7	-63.3	-61.7	-69.9
Exports .....	16.8	16.3	16.7	16.7	16.7	16.0	14.2	18.2
Imports .....	73.1	80.4	73.9	71.7	78.5	79.3	75.9	88.1
Gross government investment .....	2.0	2.2	2.1	2.1	1.8	2.2	2.3	2.3
<b>Change in business inventories of new and used autos</b> .....	<b>-1</b>	<b>-2.9</b>	<b>1.3</b>	<b>3.4</b>	<b>.4</b>	<b>-14.4</b>	<b>-1.7</b>	<b>4.0</b>
New .....	.2	-7	1.4	3.0	1.8	-17.4	6.1	6.9
Used .....	-3	-2.3	-1	.4	-1.4	3.0	-7.8	-3.0
<b>Addenda:</b>								
Domestic output of new autos <sup>1</sup> .....	120.0	114.1	124.5	119.3	114.8	104.8	115.6	121.1
Sales of imported new autos <sup>2</sup> .....	63.1	69.6	64.3	62.9	67.9	71.4	63.9	75.1

1. Consists of final sales and change in business inventories of new autos assembled in the United States.

2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

Table 8.5.—Real Auto Output

[Billions of chained (1992) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV
<b>Auto output</b> .....	<b>120.2</b>	<b>113.9</b>	<b>123.0</b>	<b>122.3</b>	<b>116.6</b>	<b>106.9</b>	<b>111.4</b>	<b>120.7</b>
<b>Final sales</b> .....	<b>119.8</b>	<b>116.8</b>	<b>122.5</b>	<b>118.2</b>	<b>116.6</b>	<b>119.0</b>	<b>114.2</b>	<b>117.4</b>
Personal consumption expenditures .....	123.7	128.3	126.4	122.8	125.7	128.1	126.6	132.9
New autos .....	78.5	82.8	81.1	79.0	80.4	85.7	79.2	85.7
Net purchases of used autos .....	44.1	44.6	44.3	42.9	44.3	41.9	46.1	46.2
Producers' durable equipment .....	44.2	43.1	44.6	41.6	43.7	44.8	40.0	44.0
New autos .....	72.8	71.5	73.2	69.7	72.2	74.1	65.8	74.0
Net purchases of used autos .....	-28.1	-27.8	-28.1	-27.4	-28.0	-28.8	-25.3	-29.3
Net exports .....	-49.8	-56.6	-50.3	-48.1	-54.3	-55.8	-54.7	-61.6
Exports .....	15.7	15.2	15.6	15.6	15.7	14.9	13.3	16.8
Imports .....	65.5	71.8	66.0	63.8	69.9	70.7	68.0	78.4
Gross government investment .....	1.8	1.9	1.9	1.9	1.6	2.0	2.0	2.1
<b>Change in business inventories of new and used autos</b> .....	<b>.4</b>	<b>-3.0</b>	<b>.5</b>	<b>4.2</b>	<b>-1</b>	<b>-12.3</b>	<b>-3.0</b>	<b>3.3</b>
New .....	.7	-9	.6	4.0	1.3	-15.8	4.5	6.2
Used .....	-2	-1.9	-1	.3	-1.2	2.6	-6.5	-2.5
Residual .....	.4	.3	.5	.1	.2	1.0	.3	-.1
<b>Addenda:</b>								
Domestic output of new autos <sup>1</sup> .....	110.3	104.8	113.3	110.4	105.3	97.3	105.2	111.4
Sales of imported new autos <sup>2</sup> .....	57.5	63.8	58.6	57.5	62.3	65.6	58.5	69.0

1. Consists of final sales and change in business inventories of new autos assembled in the United States.

2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

Chain-type quantity indexes for the series in this table appear in table 7.18.

Table 8.6.—Truck Output

[Billions of dollars]

<b>Truck output</b> <sup>1</sup> .....	<b>158.9</b>	<b>173.7</b>	<b>161.0</b>	<b>171.3</b>	<b>169.9</b>	<b>171.5</b>	<b>158.6</b>	<b>194.6</b>
<b>Final sales</b> .....	<b>155.6</b>	<b>176.2</b>	<b>160.6</b>	<b>164.3</b>	<b>166.9</b>	<b>183.3</b>	<b>165.6</b>	<b>188.9</b>
Personal consumption expenditures .....	69.2	81.0	71.4	73.5	74.0	81.4	76.6	92.0
Producers' durable equipment .....	82.3	91.3	83.9	85.7	88.8	94.2	87.5	94.6
Net exports .....	-4.9	-4.7	-5.2	-3.1	-3.6	-1.7	-5.8	-7.9
Exports .....	10.9	10.5	11.3	12.3	12.2	12.0	8.9	8.7
Imports .....	15.8	15.2	16.6	15.5	15.8	13.8	14.7	16.6
Gross government investment .....	9.0	8.6	10.4	8.2	7.7	9.4	7.2	10.2
<b>Change in business inventories</b> .....	<b>3.3</b>	<b>-2.5</b>	<b>.4</b>	<b>7.0</b>	<b>3.0</b>	<b>-11.7</b>	<b>-6.9</b>	<b>5.8</b>

1. Includes new trucks only.

Table 8.7.—Real Truck Output

[Billions of chained (1992) dollars]

<b>Truck output</b> <sup>1</sup> .....	<b>140.2</b>	<b>154.5</b>	<b>141.7</b>	<b>151.9</b>	<b>151.5</b>	<b>153.3</b>	<b>141.2</b>	<b>172.1</b>
<b>Final sales</b> .....	<b>137.3</b>	<b>156.9</b>	<b>141.6</b>	<b>145.7</b>	<b>148.9</b>	<b>163.9</b>	<b>147.5</b>	<b>167.2</b>
Personal consumption expenditures .....	59.8	70.5	61.7	63.6	64.4	71.1	66.7	80.0
Producers' durable equipment .....	73.7	82.5	75.1	77.4	80.6	85.6	79.2	84.7
Net exports .....	-4.0	-3.8	-4.3	-2.4	-2.8	-1.1	-4.8	-6.6
Exports .....	10.3	9.7	10.7	11.5	11.3	11.2	8.3	8.1
Imports .....	14.3	13.5	15.0	13.9	14.2	12.3	13.0	14.7
Gross government investment .....	8.1	7.8	9.3	7.4	7.0	8.6	6.5	9.1
<b>Change in business inventories</b> .....	<b>2.8</b>	<b>-2.2</b>	<b>.4</b>	<b>5.9</b>	<b>2.5</b>	<b>-10.2</b>	<b>-6.0</b>	<b>4.9</b>
Residual .....	-2	-3	-5	0	-1	-7	-5	0

1. Includes new trucks only.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table appear in table 7.19.



**Annual Estimates:**

Except as noted, these tables are derived from the NIPA tables published in the August 1998 SURVEY OF CURRENT BUSINESS; they are consistent with the most recent comprehensive and annual revisions.

**Table B.3.—Gross Domestic Product by Industry, Current-Dollar and Real Estimates for 1995–97**

	Billions of dollars			Billions of chained (1992) dollars				Billions of dollars			Billions of chained (1992) dollars		
	1995	1996	1997	1995	1996	1997		1995	1996	1997	1995	1996	1997
<b>Gross domestic product</b> .....	<b>7,269.6</b>	<b>7,661.6</b>	<b>8,110.9</b>	<b>6,761.7</b>	<b>6,994.8</b>	<b>7,269.8</b>	Transportation services .....	23.2	25.5	26.8	23.2	24.0	25.1
<b>Private industries</b> .....	<b>6,306.9</b>	<b>6,667.9</b>	<b>7,083.3</b>	<b>5,896.5</b>	<b>6,119.9</b>	<b>6,395.3</b>	Communications .....	193.3	207.5	211.6	180.7	191.5	196.4
<b>Agriculture, forestry, and fishing</b> .....	<b>109.5</b>	<b>130.4</b>	<b>131.7</b>	<b>106.2</b>	<b>114.2</b>	<b>127.6</b>	Telephone and telegraph .....	145.2	157.0	158.6	138.6	152.4	160.6
Farms .....	72.3	91.6	90.2	72.0	78.6	90.3	Radio and television .....	48.1	50.4	53.1	41.8	39.5	37.3
Agricultural services, forestry, and fishing .....	37.2	38.8	41.5	34.7	36.2	38.0	Electric, gas, and sanitary services .....	197.0	204.9	209.2	195.5	205.3	206.3
<b>Mining</b> .....	<b>98.7</b>	<b>113.8</b>	<b>120.5</b>	<b>107.4</b>	<b>103.0</b>	<b>109.9</b>	<b>Wholesale trade</b> .....	<b>491.4</b>	<b>519.8</b>	<b>562.8</b>	<b>455.8</b>	<b>486.6</b>	<b>532.0</b>
Metal mining .....	6.7	6.1	5.8	5.5	5.7	6.2	<b>Retail trade</b> .....	<b>641.0</b>	<b>673.0</b>	<b>712.9</b>	<b>626.4</b>	<b>665.9</b>	<b>713.5</b>
Coal mining .....	12.0	12.9	13.2	15.4	17.2	18.1	<b>Finance, insurance, and real estate</b> .....	<b>1,362.3</b>	<b>1,448.6</b>	<b>1,570.3</b>	<b>1,206.2</b>	<b>1,246.0</b>	<b>1,286.0</b>
Oil and gas extraction .....	70.5	84.3	90.1	77.4	70.6	75.4	Depository institutions .....	229.1	240.6	266.4	193.4	192.0	191.9
Nonmetallic minerals, except fuels .....	9.4	10.4	11.4	9.3	10.2	10.8	Nondepository institutions .....	39.7	44.3	56.3	32.6	35.4	39.3
<b>Construction</b> .....	<b>286.4</b>	<b>311.9</b>	<b>328.8</b>	<b>254.2</b>	<b>268.5</b>	<b>274.4</b>	Security and commodity brokers .....	73.4	96.5	106.6	78.4	104.1	120.5
<b>Manufacturing</b> .....	<b>1,282.2</b>	<b>1,309.1</b>	<b>1,378.9</b>	<b>1,271.6</b>	<b>1,293.8</b>	<b>1,369.9</b>	Insurance carriers .....	118.5	122.0	146.0	91.2	87.6	93.5
Durable goods .....	711.6	737.3	784.0	727.0	769.0	838.6	Insurance agents, brokers, and services .....	46.7	48.0	50.7	42.1	41.7	43.1
Lumber and wood products .....	40.9	39.1	42.8	31.7	31.4	33.1	Real estate .....	843.8	892.2	935.0	776.6	799.5	814.8
Furniture and fixtures .....	19.4	20.5	22.1	18.7	18.6	19.7	Nonfarm housing services .....	643.1	675.8	712.7	588.4	600.0	616.1
Stone, clay, and glass products .....	30.2	31.3	33.7	27.2	27.6	29.3	Other real estate .....	200.7	216.4	222.4	188.2	199.7	198.7
Primary metal industries .....	51.7	51.5	53.2	44.1	46.9	48.0	Holding and other investment offices .....	11.0	5.1	9.4	12.6	12.5	12.2
Fabricated metal products .....	87.6	93.1	99.3	87.8	88.6	93.0	<b>Services</b> .....	<b>1,445.4</b>	<b>1,544.2</b>	<b>1,656.8</b>	<b>1,305.3</b>	<b>1,349.1</b>	<b>1,398.6</b>
Industrial machinery and equipment .....	141.5	148.8	158.9	162.9	183.2	215.2	Hotels and other lodging places .....	61.3	65.6	69.0	56.2	57.5	56.8
Electronic and other electric equipment .....	136.7	141.6	157.3	178.7	213.2	261.2	Personal services .....	47.4	47.8	51.5	43.2	42.4	44.1
Motor vehicles and equipment .....	85.2	82.4	85.4	77.7	73.2	77.8	Business services .....	284.9	322.1	364.7	271.3	295.7	323.1
Other transportation equipment .....	46.1	49.0	50.7	43.3	43.9	44.1	Auto repair, services, and parking .....	63.6	68.3	73.3	56.5	60.2	64.4
Instruments and related products .....	49.1	55.5	55.9	42.0	40.2	36.3	Miscellaneous repair services .....	20.5	21.7	23.2	16.9	15.2	14.7
Miscellaneous manufacturing industries .....	23.3	24.6	24.8	22.8	23.3	23.1	Motion pictures .....	26.3	28.4	30.5	24.4	25.2	26.6
Nondurable goods .....	570.5	571.8	594.9	545.1	527.8	537.6	Amusement and recreation services .....	56.6	61.3	66.7	50.5	52.7	56.2
Food and kindred products .....	123.2	116.0	118.5	125.8	105.7	106.7	Health services .....	428.9	445.5	460.1	373.3	377.3	379.0
Tobacco products .....	17.3	17.0	18.4	23.8	22.5	21.3	Legal services .....	96.6	100.7	106.6	85.7	86.0	87.0
Textile mill products .....	24.5	24.7	25.5	26.4	25.6	25.7	Educational services .....	55.3	58.1	61.5	49.0	49.4	50.4
Apparel and other textile products .....	27.4	26.7	28.4	28.6	27.0	28.2	Social services .....	46.4	49.0	52.2	43.4	44.6	46.3
Paper and allied products .....	58.9	56.6	55.0	44.4	46.4	48.9	Membership organizations .....	47.0	49.2	50.8	42.6	43.3	44.1
Printing and publishing .....	84.7	92.4	98.4	77.1	76.1	76.7	Other services .....	198.8	214.6	234.6	183.7	192.8	201.3
Chemicals and allied products .....	156.1	155.8	158.8	139.6	140.3	141.2	Private households .....	11.8	11.9	12.0	10.8	10.5	10.2
Petroleum and coal products .....	28.3	29.6	35.2	30.4	32.3	32.4	<b>Statistical discrepancy</b> <sup>1</sup> .....	<b>-26.5</b>	<b>-32.2</b>	<b>-55.8</b>	<b>-23.1</b>	<b>-27.1</b>	<b>-45.4</b>
Rubber and miscellaneous plastics .....	44.9	48.6	52.0	47.1	49.5	53.7	<b>Government</b> .....	<b>962.7</b>	<b>993.7</b>	<b>1,027.6</b>	<b>876.5</b>	<b>877.8</b>	<b>884.0</b>
Leather and leather products .....	5.2	4.4	4.8	4.7	4.1	4.3	<b>Federal</b> .....	<b>327.7</b>	<b>334.8</b>	<b>338.1</b>	<b>296.8</b>	<b>290.2</b>	<b>286.9</b>
<b>Transportation and public utilities</b> .....	<b>616.4</b>	<b>649.3</b>	<b>676.3</b>	<b>592.2</b>	<b>626.4</b>	<b>644.3</b>	General government .....	275.4	279.2	281.3	248.2	240.7	235.4
Transportation .....	226.1	237.0	255.5	216.1	229.7	241.5	Government enterprises .....	52.3	55.5	56.8	48.8	49.8	51.9
Railroad transportation .....	22.9	23.4	24.1	26.1	28.2	28.2	<b>State and local</b> .....	<b>635.0</b>	<b>658.9</b>	<b>689.6</b>	<b>579.7</b>	<b>587.6</b>	<b>597.4</b>
Local and interurban passenger transit .....	12.2	13.0	13.8	11.4	11.3	11.3	General government .....	582.2	604.4	631.7	532.1	540.8	551.3
Trucking and warehousing .....	98.0	92.9	97.9	89.1	86.5	87.3	Government enterprises .....	52.8	54.5	57.9	47.5	46.8	46.2
Water transportation .....	10.9	11.7	12.8	11.0	10.7	11.0	<b>Not allocated by industry</b> <sup>2</sup> .....				<b>-53.7</b>	<b>-68.8</b>	<b>-114.3</b>
Transportation by air .....	53.9	65.2	74.4	50.6	63.5	72.6							
Pipelines, except natural gas .....	4.9	5.2	5.6	4.9	6.3	6.8							

1. The current-dollar statistical discrepancy equals gross domestic product (GDP) measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production. The chained (1992) dollar statistical discrepancy equals the current-dollar discrepancy deflated by the implicit price deflator for gross domestic business product.

2. Equals GDP in chained (1992) dollars less the statistical discrepancy and the sum of GPO of the detailed industries.

NOTE.—Estimates are based on the 1987 Standard Industrial Classification. The table is derived from tables 10 and 13 in "Gross Product by Industry, 1995–97" in the November 1998 SURVEY.





Table B.5.—Private Purchases of Structures by Type

	Billions of dollars			Billions of chained (1992) dollars		
	1995	1996	1997	1995	1996	1997
<b>Private purchases of structures</b> .....	<b>478.8</b>	<b>521.2</b>	<b>560.1</b>	<b>430.5</b>	<b>458.4</b>	<b>478.4</b>
<b>Nonresidential</b> .....	<b>201.3</b>	<b>216.9</b>	<b>240.2</b>	<b>180.7</b>	<b>189.7</b>	<b>203.2</b>
New .....	200.9	216.6	238.9	180.3	189.4	202.0
Nonresidential buildings, excluding farm	140.8	157.1	173.3	126.1	137.7	147.2
Industrial .....	32.5	32.7	31.4	29.1	28.6	26.7
Commercial .....	70.8	78.8	87.0	63.4	69.0	73.8
Office buildings <sup>1</sup> .....	29.8	32.4	38.2	26.7	28.4	32.4
Other <sup>2</sup> .....	41.0	46.3	48.8	36.7	40.5	41.4
Religious .....	4.2	4.4	5.7	3.8	3.9	4.9
Educational .....	6.2	7.7	9.5	5.6	6.7	8.1
Hospital and institutional .....	12.5	13.1	15.3	11.2	11.5	13.0
Other <sup>3</sup> .....	14.5	20.5	24.4	13.0	18.0	20.7
Utilities .....	33.9	31.7	33.5	30.6	27.8	28.7
Railroads .....	3.5	4.4	5.1	3.1	3.7	4.1
Telecommunications .....	11.0	11.7	11.5	10.1	10.2	9.9
Electric light and power .....	12.3	9.8	11.1	11.0	8.7	9.7
Gas .....	6.2	4.8	4.8	5.6	4.3	4.2
Petroleum pipelines .....	.9	1.0	1.0	.8	.9	.8
Farm .....	3.0	3.8	4.0	2.7	3.3	3.4
Mining exploration, shafts, and wells .....	16.3	18.1	22.7	14.4	15.3	17.9
Petroleum and natural gas .....	14.8	16.5	20.8	13.1	13.8	16.3
Other .....	1.5	1.6	1.9	1.3	1.4	1.6
Other <sup>4</sup> .....	6.9	5.8	5.4	6.3	5.1	4.6
Brokers' commissions on sale of structures .....	1.6	1.8	2.0	1.5	1.7	1.8
Net purchases of used structures .....	-1.3	-1.5	-7	-1.1	-1.3	-6
<b>Residential</b> .....	<b>277.5</b>	<b>304.3</b>	<b>319.9</b>	<b>249.8</b>	<b>268.6</b>	<b>275.1</b>
New .....	246.7	269.7	282.7	220.6	236.0	240.4
New housing units .....	174.2	192.1	200.4	152.9	165.3	167.7
Permanent site .....	162.9	179.4	187.1	143.4	154.9	156.9
Single-family structures .....	145.0	159.1	164.4	126.8	136.6	137.2
Multifamily structures .....	17.9	20.3	22.6	16.9	18.7	20.2
Mobile homes .....	11.3	12.6	13.3	9.5	10.3	10.7
Improvements .....	72.0	77.0	81.5	67.3	70.2	72.0
Other <sup>5</sup> .....	.5	.6	.8	.4	.5	.7
Brokers' commissions on sale of structures .....	32.1	36.4	39.7	30.3	34.2	37.1
Net purchases of used structures .....	-1.3	-1.8	-2.5	-1.1	-1.5	-2.0
Residual .....				-1	0	-5

1. Consists of office buildings, except those constructed at industrial sites and those constructed by utilities for their own use.

2. Consists of stores, restaurants, garages, service stations, warehouses, mobile structures, and other buildings used for commercial purposes.

3. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

4. Consists primarily of streets, dams and reservoirs, sewer and water facilities, parks, and airfields.

5. Consists primarily of dormitories and fraternity and sorority houses.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table B.6.—Private Purchases of Producers' Durable Equipment by Type

	Billions of dollars			Billions of chained (1992) dollars		
	1995	1996	1997	1995	1996	1997
<b>Private purchases of producers' durable equipment</b> .....	<b>533.7</b>	<b>578.6</b>	<b>628.5</b>	<b>538.7</b>	<b>597.1</b>	<b>668.5</b>
<b>Nonresidential equipment</b> .....	<b>526.4</b>	<b>571.0</b>	<b>620.5</b>	<b>531.7</b>	<b>589.8</b>	<b>660.9</b>
Information processing and related equipment .....	173.0	189.4	206.6	201.5	245.4	298.0
Office, computing, and accounting machinery .....	73.4	83.0	90.3	107.1	154.1	212.7
Computers and peripheral equipment <sup>1</sup> .....	64.9	74.4	81.1	100.8	151.3	214.8
Other .....	8.5	8.6	9.2	8.2	8.4	9.0
Communication equipment .....	59.1	64.1	71.1	61.9	68.5	76.5
Instruments .....	22.8	24.5	26.1	21.6	22.8	24.3
Photocopy and related equipment .....	17.7	17.7	19.1	16.8	16.4	17.6
Industrial equipment .....	123.8	131.7	138.6	115.4	120.5	125.9
Fabricated metal products .....	11.8	12.9	13.4	11.1	11.8	12.0
Engines and turbines .....	4.2	4.7	3.8	4.0	4.3	3.4
Metalworking machinery .....	28.3	29.7	32.7	26.0	26.8	29.3
Special industry machinery, n.e.c. ....	32.5	33.5	34.0	30.2	30.5	30.7
General industrial, including materials handling, equipment .....	26.0	28.6	30.3	24.2	26.2	27.4
Electrical transmission, distribution, and industrial apparatus .....	20.9	22.2	24.4	19.9	20.9	23.0
Transportation and related equipment .....	126.2	137.2	152.0	119.4	127.6	140.3
Trucks, buses, and truck trailers .....	63.6	71.3	79.9	56.9	63.4	71.5
Autos .....	41.6	44.8	45.7	42.7	44.7	44.2
Aircraft .....	13.4	13.0	17.9	12.2	11.5	15.6
Ships and boats .....	1.8	2.3	2.4	1.7	2.1	2.2
Railroad equipment .....	5.8	5.8	6.1	5.2	5.1	5.4
Other equipment .....	108.2	117.1	128.3	101.4	107.8	116.9
Furniture and fixtures .....	28.2	29.7	33.7	26.2	27.0	30.1
Tractors .....	10.4	10.8	11.7	9.8	10.1	10.8
Agricultural machinery, except tractors .....	10.8	11.5	12.3	10.0	10.4	11.0
Construction machinery, except tractors .....	13.4	15.8	17.6	12.4	14.2	15.6
Mining and oilfield machinery .....	1.9	1.9	2.3	1.7	1.8	2.0
Service industry machinery .....	14.0	14.9	15.1	13.1	13.7	13.7
Electrical equipment, n.e.c. ....	11.7	12.9	14.0	11.3	12.5	13.8
Other .....	17.7	19.6	21.7	16.7	18.1	19.9
Less: Sale of equipment scrap, excluding autos .....	4.7	4.4	5.0	3.5	3.6	4.0
<b>Residential equipment</b> .....	<b>7.3</b>	<b>7.6</b>	<b>8.0</b>	<b>7.0</b>	<b>7.3</b>	<b>7.7</b>
Residual .....				-9.4	-29.1	-59.0
<b>Addenda:</b>						
Private purchases of producers' durable equipment .....	533.7	578.6	628.5			
Less: Dealers' margin on used equipment .....	6.1	6.6	6.8			
Net purchases of used equipment .....						
from government .....	1.0	1.2	1.2			
Plus: Net sales of used equipment .....	37.8	39.5	39.9			
Net exports of used equipment .....	.5	.4	.6			
Sale of equipment scrap .....	4.8	4.5	5.1			
Equals: Private purchases of new equipment .....	569.8	615.2	666.0			

1. Includes new computers and peripheral equipment only.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.  
n.e.c. Not elsewhere classified.





Table B.9.—Wage and Salary Accruals Per Full-Time Equivalent Employee and Full-Time Equivalent Employees by Industry

	Wages and salaries per full-time equivalent			Full-time equivalent employees			Wages and salaries per full-time equivalent			Full-time equivalent employees			
	Dollars			Thousands			Dollars			Thousands			
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997	
<b>Total</b> <sup>1</sup>	<b>31,014</b>	<b>32,143</b>	<b>33,557</b>	<b>110,980</b>	<b>113,256</b>	<b>116,029</b>	Pipelines, except natural gas	57,867	59,143	60,500	15	14	14
<b>Domestic industries</b>	<b>30,902</b>	<b>32,034</b>	<b>33,438</b>	<b>111,468</b>	<b>113,729</b>	<b>116,532</b>	Transportation services	30,879	31,578	32,913	388	396	416
<b>Private industries</b>	<b>30,305</b>	<b>31,472</b>	<b>32,941</b>	<b>93,115</b>	<b>95,396</b>	<b>98,129</b>	Communications	49,525	50,756	52,872	1,197	1,230	1,294
<b>Agriculture, forestry, and fishing</b>	<b>18,200</b>	<b>19,017</b>	<b>19,951</b>	<b>1,755</b>	<b>1,816</b>	<b>1,835</b>	Telephone and telegraph	53,282	54,386	56,461	838	855	914
Farms	17,925	19,039	19,185	744	746	751	Radio and television	40,758	42,480	44,239	359	375	380
Agricultural services, forestry, and fishing	18,403	19,002	20,482	1,011	1,070	1,084	Electric, gas, and sanitary services	48,831	50,438	52,663	895	872	858
<b>Mining</b>	<b>46,624</b>	<b>48,353</b>	<b>50,910</b>	<b>575</b>	<b>572</b>	<b>588</b>	<b>Wholesale trade</b>	<b>37,812</b>	<b>39,319</b>	<b>41,272</b>	<b>6,201</b>	<b>6,281</b>	<b>6,452</b>
Metal mining	48,365	50,093	50,642	52	54	53	<b>Retail trade</b>	<b>18,296</b>	<b>18,823</b>	<b>19,562</b>	<b>18,029</b>	<b>18,382</b>	<b>18,745</b>
Coal mining	47,058	48,856	50,000	103	97	95	<b>Finance, insurance, and real estate</b>	<b>41,674</b>	<b>45,237</b>	<b>48,283</b>	<b>6,552</b>	<b>6,636</b>	<b>6,784</b>
Oil and gas extraction	49,635	51,610	54,931	315	315	333	Depository institutions	33,909	36,185	38,414	1,935	1,921	1,921
Nonmetallic minerals, except fuels	36,305	37,330	39,336	105	106	107	Nondepository institutions	41,074	43,395	46,496	446	491	546
<b>Construction</b>	<b>30,444</b>	<b>31,641</b>	<b>32,944</b>	<b>5,181</b>	<b>5,444</b>	<b>5,739</b>	Security and commodity brokers	97,598	114,228	120,349	532	557	601
<b>Manufacturing</b>	<b>35,803</b>	<b>37,256</b>	<b>39,291</b>	<b>18,188</b>	<b>18,164</b>	<b>18,339</b>	Insurance carriers	41,476	43,743	45,858	1,451	1,449	1,459
Durable goods	37,684	39,118	41,170	10,560	10,661	10,874	Insurance agents, brokers, and services	37,824	39,639	41,691	697	707	724
Lumber and wood products	25,128	26,161	27,470	772	782	792	Real estate	28,293	29,819	31,863	1,252	1,274	1,302
Furniture and fixtures	25,066	26,129	27,786	502	497	501	Holding and other investment offices	63,707	68,996	75,615	239	237	231
Stone, clay, and glass products	33,302	34,887	35,983	530	532	544	<b>Services</b>	<b>29,003</b>	<b>29,973</b>	<b>31,184</b>	<b>30,852</b>	<b>32,216</b>	<b>33,615</b>
Primary metal industries	40,118	40,973	42,363	697	704	705	Hotels and other lodging places	19,920	20,586	21,435	1,522	1,561	1,599
Fabricated metal products	32,932	34,047	35,453	1,421	1,425	1,461	Personal services	18,224	18,787	19,863	1,139	1,162	1,159
Industrial machinery and equipment	40,067	41,815	44,536	2,051	2,073	2,139	Business services	25,936	27,774	29,622	6,372	6,875	7,538
Electronic and other electric equipment	38,966	40,384	43,420	1,606	1,644	1,671	Auto repair, services, and parking	22,430	23,046	23,795	1,061	1,136	1,179
Motor vehicles and equipment	46,692	48,724	50,008	961	958	974	Miscellaneous repair services	28,122	29,176	30,208	343	358	360
Other transportation equipment	44,654	45,712	47,806	809	815	850	Motion pictures	36,579	38,076	39,466	394	421	442
Instruments and related products	44,695	46,771	49,113	827	843	850	Amusement and recreation services	23,778	24,589	25,664	1,229	1,295	1,363
Miscellaneous manufacturing industries	28,214	28,951	30,636	384	388	387	Health services	34,092	34,606	35,529	8,496	8,778	8,984
Nondurable goods	33,200	34,610	36,554	7,628	7,503	7,465	Legal services	53,082	54,939	57,019	937	944	962
Food and kindred products	30,151	30,680	32,007	1,642	1,654	1,651	Educational services	24,459	25,083	26,013	1,799	1,862	1,912
Tobacco products	53,878	57,025	57,900	41	40	40	Social services and membership organizations	19,839	20,361	20,771	3,933	4,065	4,219
Textile mill products	23,992	25,046	26,551	654	624	610	Social services	17,927	18,403	18,915	2,118	2,199	2,304
Apparel and other textile products	18,814	19,858	20,943	919	846	803	Membership organizations	22,069	22,668	23,004	1,815	1,866	1,915
Paper and allied products	39,531	40,901	42,726	684	676	674	Other services <sup>2</sup>	45,725	47,055	49,252	2,808	2,963	3,110
Printing and publishing	34,541	35,983	37,743	1,450	1,445	1,463	Private households	14,118	14,680	14,887	819	796	788
Chemicals and allied products	51,105	53,546	57,338	1,027	1,020	1,019	<b>Government</b>	<b>33,930</b>	<b>34,958</b>	<b>36,091</b>	<b>18,353</b>	<b>18,333</b>	<b>18,403</b>
Petroleum and coal products	54,958	56,964	60,481	142	138	135	Federal	38,295	39,781	41,214	4,564	4,415	4,307
Rubber and miscellaneous plastics products	29,907	30,935	32,462	962	965	981	General government	37,312	38,862	40,252	3,764	3,614	3,513
Leather and leather products	22,140	23,653	25,303	107	95	89	Civilian	41,868	43,864	45,484	2,026	1,952	1,899
<b>Transportation and public utilities</b>	<b>38,402</b>	<b>39,479</b>	<b>41,030</b>	<b>5,782</b>	<b>5,885</b>	<b>6,032</b>	Military <sup>3</sup>	32,000	32,989	34,095	1,738	1,662	1,614
Transportation	32,264	33,285	34,507	3,690	3,783	3,880	Government enterprises	42,921	43,925	45,470	800	801	794
Railroad transportation	51,900	54,566	56,803	220	212	208	State and local	32,485	33,428	34,525	13,789	13,918	14,096
Local and interurban passenger transit	19,953	20,614	21,038	384	402	418	General government	32,352	33,294	34,375	12,903	13,042	13,230
Trucking and warehousing	29,377	30,343	31,717	1,788	1,550	1,592	Education	32,229	33,196	34,139	6,765	6,880	7,044
Water transportation	37,868	39,066	40,579	167	166	171	Other	32,488	33,405	34,644	6,138	6,162	6,186
Transportation by air	39,022	37,597	38,934	728	1,043	1,061	Government enterprises	34,427	35,410	36,819	886	876	866
							<b>Rest of the world</b> <sup>4</sup>				<b>-488</b>	<b>-473</b>	<b>-503</b>

1. Full-time equivalent employees equals the number of employees on full-time schedules plus the number of employees on part-time schedules converted to a full-time basis. The number of full-time equivalent employees in each industry is the product of the total number of employees and the ratio of average weekly hours per employee to all employees to average weekly hours per employee on full-time schedules.  
 2. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

3. Includes Coast Guard.  
 4. Beginning with 1993, includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.  
 NOTE.—Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.10.—Farm Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1992) dollars		
	1995	1996	1997	1995	1996	1997
<b>Farm output</b> .....	<b>196.7</b>	<b>222.1</b>	<b>225.3</b>	<b>190.7</b>	<b>195.7</b>	<b>208.3</b>
Cash receipts from farm marketings .....	194.1	201.7	207.2	188.8	177.3	191.0
Crops .....	107.2	108.7	110.6	97.1	87.1	96.0
Livestock .....	87.0	93.0	96.5	91.3	90.6	95.1
Farm housing .....	5.9	6.1	6.3	5.2	5.1	5.0
Farm products consumed on farms .....	.5	.4	.5	.5	.4	.4
Other farm income .....	5.5	6.3	7.1	5.0	5.3	6.2
Change in farm inventories .....	-9.3	7.6	4.3	-11.0	7.1	4.3
Crops .....	-9.6	8.8	5.1	-9.2	6.5	4.2
Livestock .....	.2	-1.1	-7	.3	-1.3	-8
<b>Less: Intermediate goods and services</b>						
purchased .....	124.4	130.5	135.1	118.5	116.9	118.2
Intermediate goods and services, other than rent .....	109.9	113.5	119.6	104.0	100.7	103.6
Rent paid to nonoperator landlords .....	14.5	17.0	15.5	14.5	16.4	14.6
<b>Equals: Gross farm product</b> .....	<b>72.3</b>	<b>91.6</b>	<b>90.2</b>	<b>72.0</b>	<b>78.6</b>	<b>90.3</b>
<b>Less: Consumption of fixed capital</b> .....	<b>24.8</b>	<b>25.8</b>	<b>26.6</b>	<b>22.8</b>	<b>23.2</b>	<b>23.7</b>
<b>Equals: Net farm product</b> .....	<b>47.5</b>	<b>65.9</b>	<b>63.6</b>	<b>49.0</b>	<b>55.2</b>	<b>66.6</b>
<b>Less: Indirect business tax and nontax liability</b> .....	<b>5.1</b>	<b>5.1</b>	<b>5.5</b>			
<b>Plus: Subsidies to operators</b> .....	<b>6.1</b>	<b>6.1</b>	<b>6.2</b>			
<b>Equals: Farm national income</b> .....	<b>48.4</b>	<b>66.9</b>	<b>64.4</b>			
Compensation of employees .....	15.7	16.5	16.9			
Wage and salary accruals .....	13.3	14.2	14.4			
Supplements to wages and salaries .....	2.4	2.3	2.5			
Proprietors' income and corporate profits with IVA and CCAAdj .....	23.3	40.6	37.3			
Proprietors' income .....	22.4	38.9	35.5			
Corporate profits .....	.8	1.7	1.8			
Net interest .....	9.5	9.8	10.2			

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. CCAAdj Capital consumption adjustment  
IVA Inventory valuation adjustment

Table B.11.—Housing Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1992) dollars		
	1995	1996	1997	1995	1996	1997
<b>Housing output</b> <sup>1</sup> .....	<b>723.1</b>	<b>758.4</b>	<b>799.8</b>	<b>663.9</b>	<b>675.8</b>	<b>692.6</b>
Nonfarm housing .....	717.2	752.3	793.5	658.7	670.7	687.6
Owner-occupied .....	532.4	559.1	590.3	487.4	496.0	508.9
Tenant-occupied .....	184.8	193.2	203.2	171.4	174.7	178.7
Farm housing .....	5.9	6.1	6.3	5.2	5.1	5.0
<b>Less: Intermediate goods and services consumed</b> .....	<b>88.5</b>	<b>91.1</b>	<b>95.3</b>	<b>82.1</b>	<b>82.7</b>	<b>83.8</b>
<b>Equals: Gross housing product</b> .....	<b>634.6</b>	<b>667.2</b>	<b>704.5</b>	<b>581.8</b>	<b>593.0</b>	<b>608.7</b>
Nonfarm housing .....	629.6	662.1	699.1	577.4	588.7	604.5
Owner-occupied .....	463.0	486.4	513.4	423.3	430.5	441.9
Tenant-occupied .....	166.5	175.6	185.8	154.2	158.3	162.6
Farm housing .....	5.0	5.2	5.3	4.4	4.4	4.2
<b>Less: Consumption of fixed capital</b> .....	<b>115.9</b>	<b>119.6</b>	<b>126.2</b>	<b>103.7</b>	<b>104.6</b>	<b>107.2</b>
Capital consumption allowances .....	59.7	63.0	67.1			
Less: CCAAdj .....	-56.2	-56.5	-59.1			
<b>Equals: Net housing product</b> .....	<b>518.7</b>	<b>547.7</b>	<b>578.3</b>	<b>478.3</b>	<b>488.7</b>	<b>501.7</b>
<b>Less: Indirect business tax and nontax liability plus business transfer payments</b> ..	<b>116.0</b>	<b>119.9</b>	<b>123.5</b>			
<b>Plus: Subsidies less current surplus of government enterprises</b> .....	<b>20.8</b>	<b>21.9</b>	<b>22.3</b>			
<b>Equals: Housing national income</b> .....	<b>423.5</b>	<b>449.6</b>	<b>477.1</b>			
Compensation of employees .....	8.1	8.5	9.1			
Proprietors' income with IVA and CCAAdj ...	25.0	26.5	27.9			
Rental income of persons with CCAAdj .....	105.2	119.7	127.7			
Corporate profits with IVA and CCAAdj .....	5.0	5.2	5.5			
Net interest .....	280.1	289.7	306.9			

1. Equals personal consumption expenditures for housing less expenditures for other housing as shown in table B.4.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. CCAAdj Capital consumption adjustment  
IVA Inventory valuation adjustment







Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued  
[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1992) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price index		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1967: I	3,127.2	3,085.6	3,145.9	3.2	4.1	26.16	25.52	26.14	26.15	2.0	1.6	1.9	2.0
1967: II	3,129.5	3,119.0	3,147.7	.3	4.4	26.32	25.67	26.31	26.32	2.5	2.5	2.5	2.5
1967: III	3,154.2	3,134.2	3,174.4	3.2	2.0	26.57	25.92	26.60	26.61	3.9	3.9	4.5	4.5
1967: IV	3,178.0	3,161.5	3,197.5	3.1	3.5	26.87	26.21	26.90	26.91	4.6	4.5	4.6	4.6
1968: I	3,236.2	3,225.3	3,256.2	7.5	8.3	27.19	26.52	27.21	27.22	4.8	4.9	4.7	4.8
1968: II	3,292.1	3,258.0	3,312.5	7.1	4.1	27.50	26.80	27.49	27.50	4.5	4.2	4.1	4.1
1968: III	3,316.1	3,303.9	3,337.3	3.0	5.8	27.75	27.06	27.75	27.76	3.7	4.0	3.8	3.8
1968: IV	3,331.2	3,325.1	3,352.2	1.8	2.6	28.12	27.43	28.12	28.13	5.5	5.5	5.5	5.5
1969: I	3,381.9	3,357.5	3,402.8	6.2	4.0	28.38	27.66	28.39	28.40	3.7	3.5	3.8	3.9
1969: II	3,390.2	3,373.0	3,410.3	1.0	1.9	28.74	28.02	28.73	28.75	5.2	5.3	5.0	5.0
1969: III	3,409.7	3,389.6	3,428.5	2.3	2.0	29.14	28.40	29.14	29.16	5.7	5.6	5.8	5.8
1969: IV	3,392.6	3,388.9	3,411.4	-2.0	-1	29.51	28.77	29.51	29.52	5.2	5.2	5.1	5.1
1970: I	3,386.5	3,397.6	3,406.0	-7	1.0	29.92	29.18	29.94	29.95	5.7	5.9	6.0	6.0
1970: II	3,391.6	3,391.9	3,411.9	-6	-7	30.36	29.59	30.36	30.37	6.0	5.8	5.7	5.7
1970: III	3,423.0	3,421.9	3,442.9	3.7	3.6	30.60	29.87	30.61	30.63	3.2	3.8	3.4	3.4
1970: IV	3,389.4	3,414.8	3,407.4	-3.9	-8	31.02	30.29	31.02	31.03	5.6	5.7	5.4	5.4
1971: I	3,481.4	3,458.9	3,503.3	11.3	5.3	31.50	30.75	31.50	31.52	6.3	6.2	6.4	6.4
1971: II	3,500.9	3,481.2	3,524.3	2.3	2.6	31.93	31.18	31.93	31.94	5.7	5.7	5.5	5.5
1971: III	3,523.8	3,509.4	3,544.7	2.6	3.3	32.25	31.52	32.27	32.29	4.1	4.5	4.4	4.4
1971: IV	3,533.8	3,549.5	3,556.0	1.1	4.7	32.53	31.81	32.54	32.55	3.5	3.7	3.3	3.3
1972: I	3,604.7	3,608.0	3,627.9	8.3	6.8	33.01	32.28	33.02	33.03	6.0	6.0	6.0	6.1
1972: II	3,687.9	3,665.7	3,710.7	9.6	6.5	33.23	32.53	33.20	33.22	2.6	3.1	2.2	2.2
1972: III	3,726.2	3,700.0	3,751.2	4.2	3.8	33.50	32.82	33.49	33.51	3.3	3.6	3.5	3.5
1972: IV	3,790.4	3,784.3	3,815.3	7.1	9.4	33.93	33.23	33.95	33.97	5.2	5.1	5.6	5.6
1973: I	3,892.2	3,867.0	3,921.5	11.2	9.0	34.38	33.69	34.36	34.38	5.5	5.6	5.0	5.0
1973: II	3,919.0	3,884.5	3,950.4	2.8	1.8	34.96	34.33	34.94	34.96	6.9	7.8	6.9	6.9
1973: III	3,907.1	3,890.9	3,944.1	-1.2	.7	35.63	34.95	35.61	35.63	7.8	7.5	7.9	7.9
1973: IV	3,947.1	3,893.1	3,984.4	4.2	2	36.24	35.60	36.29	36.31	7.0	7.6	7.8	7.8
1974: I	3,908.1	3,889.1	3,952.4	-3.9	-4	36.98	36.55	37.01	37.03	8.4	11.1	8.2	8.2
1974: II	3,922.6	3,899.7	3,964.3	1.5	1.1	37.79	37.59	37.79	37.81	9.0	11.9	8.7	8.7
1974: III	3,880.0	3,882.5	3,917.6	-4.3	-1.8	38.93	38.71	38.96	38.98	12.7	12.5	12.9	12.9
1974: IV	3,854.1	3,822.2	3,886.1	-2.6	-6.1	40.14	39.84	40.13	40.15	13.0	12.2	12.6	12.5
1975: I	3,800.9	3,848.3	3,827.3	-5.4	2.8	41.04	40.69	41.05	41.07	9.2	8.8	9.5	9.5
1975: II	3,835.2	3,887.9	3,861.8	3.7	4.2	41.67	41.34	41.66	41.68	6.3	6.5	6.1	6.1
1975: III	3,907.0	3,922.7	3,936.1	7.7	3.6	42.44	42.05	42.41	42.44	7.6	7.0	7.4	7.4
1975: IV	3,952.5	3,966.7	3,987.9	4.7	4.6	43.21	42.79	43.19	43.22	7.4	7.2	7.6	7.6
1976: I	4,044.6	4,027.0	4,078.8	9.7	6.2	43.68	43.26	43.69	43.72	4.4	4.5	4.7	4.7
1976: II	4,072.2	4,038.1	4,107.9	2.8	1.2	44.17	43.76	44.15	44.18	4.6	4.7	4.2	4.2
1976: III	4,088.5	4,061.7	4,124.8	1.6	2.3	44.78	44.42	44.77	44.80	5.7	6.1	5.7	5.7
1976: IV	4,126.4	4,119.0	4,163.7	3.8	5.8	45.56	45.16	45.57	45.60	7.2	6.9	7.3	7.3
1977: I	4,176.3	4,161.4	4,219.4	4.9	4.2	46.31	45.99	46.32	46.34	6.7	7.6	6.8	6.7
1977: II	4,260.1	4,228.4	4,302.2	8.3	6.6	47.08	46.81	47.07	47.10	6.8	7.3	6.6	6.7
1977: III	4,329.5	4,270.0	4,371.2	6.7	4.0	47.74	47.55	47.66	47.69	5.7	6.4	5.1	5.1
1977: IV	4,328.3	4,303.3	4,365.0	-1	3.2	48.55	48.36	48.63	48.66	7.0	7.1	8.4	8.4
1978: I	4,345.5	4,306.0	4,388.6	1.6	.3	49.39	49.19	49.42	49.45	7.1	7.0	6.7	6.7
1978: II	4,510.7	4,474.6	4,546.1	16.1	16.6	50.43	50.22	50.41	50.44	8.6	8.6	8.2	8.2
1978: III	4,552.1	4,511.6	4,591.1	3.7	3.4	51.32	51.11	51.27	51.30	7.3	7.3	7.0	7.1
1978: IV	4,603.7	4,565.4	4,649.0	4.6	4.9	52.37	52.08	52.35	52.39	8.4	7.9	8.7	8.7
1979: I	4,605.7	4,579.0	4,652.6	.2	1.2	53.46	53.21	53.51	53.54	8.6	9.0	9.1	9.1
1979: II	4,615.6	4,577.0	4,668.7	.9	-2	54.70	54.52	54.65	54.68	9.6	10.2	8.8	8.8
1979: III	4,644.9	4,639.2	4,708.8	2.6	5.5	55.82	55.89	55.82	55.85	8.5	10.4	8.9	8.9
1979: IV	4,656.2	4,662.5	4,719.5	1.0	2.0	56.92	57.25	56.92	56.95	8.1	10.2	8.1	8.1
1980: I	4,679.0	4,675.3	4,743.0	2.0	1.1	58.25	58.89	58.18	58.22	9.7	12.0	9.2	9.2
1980: II	4,566.6	4,579.0	4,625.6	-9.3	-8.0	59.59	60.41	59.55	59.58	9.6	10.7	9.7	9.7
1980: III	4,562.3	4,637.1	4,617.8	-4	5.2	60.93	61.77	61.01	61.05	9.3	9.3	10.2	10.2
1980: IV	4,651.9	4,676.1	4,696.6	8.1	3.4	62.57	63.33	62.59	62.64	11.2	10.5	10.8	10.8
1981: I	4,739.2	4,692.9	4,787.7	7.7	1.4	64.19	64.96	64.15	64.20	10.7	10.7	10.3	10.4
1981: II	4,698.8	4,690.0	4,742.6	-3.5	.5	65.35	66.15	65.37	65.42	7.4	7.5	7.8	7.8
1981: III	4,753.0	4,702.5	4,801.4	4.9	3	66.65	67.27	66.65	66.69	8.2	7.0	8.0	8.0
1981: IV	4,693.8	4,672.0	4,747.9	-4.9	-2.6	67.85	68.48	67.87	67.91	7.4	7.3	7.5	7.5
1982: I	4,615.9	4,655.4	4,658.5	-6.5	-1.4	68.85	69.42	68.86	68.91	6.0	5.6	6.0	6.0
1982: II	4,634.9	4,651.2	4,682.9	1.7	-4	69.71	70.17	69.72	69.77	5.1	4.4	5.1	5.1
1982: III	4,612.1	4,616.9	4,651.1	-2.0	-2.9	70.69	71.10	70.66	70.70	5.7	5.4	5.5	5.5
1982: IV	4,618.3	4,681.3	4,655.6	.5	5.7	71.46	71.85	71.44	71.47	4.5	4.3	4.4	4.4
1983: I	4,663.0	4,719.4	4,700.1	3.9	3.3	72.12	72.33	72.08	72.12	3.7	2.7	3.7	3.7
1983: II	4,763.6	4,785.3	4,804.4	8.9	5.7	72.84	73.03	72.83	72.87	4.1	3.9	4.2	4.2
1983: III	4,849.0	4,860.7	4,891.3	7.4	6.4	73.50	73.65	73.48	73.52	3.7	3.4	3.7	3.7
1983: IV	4,939.2	4,919.5	4,983.5	7.7	4.9	74.19	74.24	74.19	74.24	3.8	3.2	3.9	3.9
1984: I	5,053.6	4,961.0	5,092.6	9.6	3.4	75.00	75.04	75.02	75.06	4.4	4.4	4.5	4.5
1984: II	5,132.9	5,050.0	5,172.4	6.4	7.4	75.62	75.65	75.58	75.63	3.3	3.3	3.1	3.1
1984: III	5,170.3	5,085.6	5,209.5	3.0	2.9	76.25	76.19	76.25	76.29	3.4	2.9	3.5	3.6
1984: IV	5,203.7	5,149.9	5,237.5	2.6	5.2	76.82	76.71	76.81	76.85	3.0	2.7	3.0	2.9
1985: I	5,257.3	5,231.7	5,280.3	4.2	6.5	77.64	77.38	77.63	77.67	4.3	3.6	4.4	4.3
1985: II	5,283.7	5,261.0	5,310.8	2.0	2.3	78.25	78.02	78.25	78.29	3.2	3.3	3.3	3.2
1985: III	5,359.6	5,336.9	5,378.4	5.9	5.9	78.80	78.58	78.76	78.80	2.8	2.9	2.6	2.6
1985: IV	5,393.6	5,358.0	5,417.5	2.6	1.6	79.44	79.37	79.45	79.49	3.3	4.1	3.5	3.5
1986: I	5,460.8	5,410.5	5,481.1	5.1	4.0	79.81	79.77	79.81	79.85	1.9	2.0	1.8	1.8
1986: II	5,466.9	5,448.4	5,480.1	.4	2.8	80.26	79.97	80.22	80.26	2.2	1.0	2.1	2.1
1986: III	5,496.3	5,518.2	5,510.4	2.2	5.2	80.81	80.60	80.84	80.88	2.8	3.2	3.1	3.1
1986: IV	5,526.8	5,546.6	5,533.1	2.2	2.1	81.44	81.25	81.45	81.49	3.2	3.3	3.1	3.0
1987: I	5,561.8	5,536.8	5,568.7	2.6	-8	82.11	82.07	82.09	82.12	3.3	4.1	3.2	3.2
1987: II	5,618.0	5,608.4	5,628.7	4.1	5.4	82.68	82.74	82.68	82.71	2.8	3.3	2.9	2.9
1987: III	5,667.4	5,671.5	5,676.0	3.6	4.6	83.35	83.44	83.33	83.36	3.3	3.4	3.2	3.2
1987: IV	5,750.6	5,688.3	5,759.6	6.0	1.2	84.08	84.19	84.09	84.12	3.6	3.6	3.7	3.7

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1992) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price index		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1988: I	5,785.3	5,774.2	5,802.3	2.4	6.2	84.69	84.81	84.67	84.69	2.9	3.0	2.7	2.8
II	5,844.0	5,840.1	5,857.5	4.1	4.6	85.56	85.68	85.56	85.59	4.2	4.2	4.3	4.3
III	5,878.7	5,869.2	5,889.4	2.4	2.0	86.67	86.58	86.66	86.69	5.3	4.3	5.2	5.2
IV	5,952.8	5,937.0	5,964.9	5.1	4.7	87.46	87.44	87.44	87.47	3.7	4.0	3.7	3.7
1989: I	6,011.0	5,970.0	6,023.1	4.0	2.2	88.44	88.47	88.45	88.48	4.5	4.8	4.7	4.7
II	6,055.6	6,010.9	6,065.5	3.0	2.8	89.40	89.52	89.39	89.42	4.4	4.8	4.3	4.3
III	6,088.0	6,063.1	6,101.8	2.2	3.5	90.13	90.14	90.13	90.16	3.3	2.8	3.3	3.3
IV	6,093.5	6,070.8	6,112.3	.4	.5	90.91	90.98	90.88	90.91	3.5	3.8	3.4	3.4
1990: I	6,152.6	6,144.6	6,172.8	3.9	5.0	92.01	92.17	92.00	92.04	4.9	5.4	5.0	5.1
II	6,171.6	6,127.5	6,188.0	1.2	-1.1	93.20	93.14	93.18	93.21	5.2	4.2	5.2	5.2
III	6,142.1	6,126.6	6,155.7	-1.9	-1	94.19	94.32	94.14	94.17	4.3	5.2	4.2	4.2
IV	6,079.0	6,108.1	6,111.3	-4.0	-1.2	95.14	95.68	95.11	95.13	4.1	5.9	4.2	4.2
1991: I	6,047.5	6,065.4	6,074.3	-2.1	-2.8	96.26	96.42	96.27	96.29	4.8	3.1	5.0	4.9
II	6,074.7	6,095.9	6,086.4	1.8	2.0	97.02	96.95	97.00	97.01	3.2	2.2	3.1	3.1
III	6,090.1	6,085.4	6,099.2	1.0	-7	97.70	97.58	97.70	97.71	-2.8	2.6	2.9	2.9
IV	6,105.3	6,083.8	6,119.5	1.0	-1	98.30	98.27	98.31	98.32	2.5	2.9	2.5	2.5
1992: I	6,175.7	6,175.8	6,192.0	4.7	6.2	99.14	99.04	99.13	99.13	3.4	3.2	3.4	3.4
II	6,214.2	6,203.8	6,225.2	2.5	1.8	99.81	99.76	99.79	99.79	2.8	2.9	2.7	2.7
III	6,260.7	6,249.5	6,270.3	3.0	3.0	100.17	100.28	100.17	100.17	1.4	2.1	1.5	1.5
IV	6,327.1	6,320.7	6,334.6	4.3	4.6	100.88	100.92	100.88	100.88	2.8	2.6	2.9	2.9
1993: I	6,327.9	6,297.3	6,351.3	.1	-1.5	101.85	101.71	101.84	101.84	3.9	3.2	3.9	3.8
II	6,359.9	6,344.9	6,375.9	2.0	3.1	102.38	102.28	102.35	102.34	2.1	2.3	2.0	2.0
III	6,393.5	6,379.3	6,415.3	2.1	2.2	102.83	102.64	102.83	102.83	1.8	1.4	1.9	1.9
IV	6,476.9	6,453.8	6,489.7	5.3	4.8	103.52	103.28	103.51	103.50	2.7	2.5	2.7	2.6
1994: I	6,524.5	6,473.0	6,540.5	3.0	1.2	104.16	103.80	104.13	104.14	2.5	2.0	2.4	2.5
II	6,600.3	6,526.7	6,609.3	4.7	3.4	104.74	104.46	104.71	104.71	2.2	2.6	2.2	2.2
III	6,629.5	6,580.4	6,635.6	1.8	3.3	105.39	105.24	105.39	105.38	2.5	3.0	2.6	2.6
IV	6,688.6	6,624.8	6,691.2	3.6	2.7	106.07	105.88	106.09	106.06	2.6	2.5	2.7	2.6
1995: I	6,717.5	6,661.8	6,735.9	1.7	2.2	106.74	106.47	106.75	106.73	2.5	2.2	2.5	2.6
II	6,724.2	6,700.0	6,746.3	.4	2.3	107.26	107.11	107.24	107.22	2.0	2.4	1.8	1.8
III	6,779.5	6,761.7	6,788.9	3.3	3.7	107.76	107.52	107.75	107.72	1.9	1.6	1.9	1.9
IV	6,825.8	6,803.3	6,846.8	2.8	2.5	108.30	107.99	108.29	108.26	2.0	1.8	2.0	2.0
1996: I	6,882.0	6,863.6	6,902.1	3.3	3.6	108.90	108.56	108.91	108.88	2.2	2.1	2.3	2.3
II	6,983.9	6,954.7	6,999.0	6.1	5.4	109.28	108.94	109.24	109.21	1.4	1.4	1.2	1.2
III	7,020.0	6,970.3	7,027.1	2.1	.9	109.77	109.34	109.74	109.70	1.8	1.5	1.8	1.8
IV	7,093.1	7,057.9	7,105.3	4.2	5.1	110.21	109.90	110.23	110.19	1.6	2.1	1.8	1.8
1997: I	7,166.7	7,108.1	7,167.8	4.2	2.9	110.97	110.51	111.00	110.95	2.8	2.2	2.8	2.8
II	7,236.5	7,155.5	7,239.3	4.0	2.7	111.45	110.76	111.43	111.37	1.7	.9	1.6	1.5
III	7,311.2	7,256.3	7,307.0	4.2	5.8	111.77	111.06	111.76	111.70	1.2	1.1	1.2	1.2
IV	7,364.6	7,294.8	7,350.7	3.0	2.1	112.09	111.34	112.08	112.03	1.1	1.0	1.2	1.2
1998: I	7,464.7	7,372.5	7,455.2	5.5	4.3	112.33	111.29	112.32	112.26	.9	-.2	.8	.8
II	7,498.6	7,456.4	7,485.9	1.8	4.6	112.57	111.42	112.56	112.50	.9	.4	.9	.9
III	7,566.5	7,507.6	7,546.7	3.7	2.8	112.85	111.60	112.84	112.78	1.0	.7	1.0	1.0
IV	7,670.0	7,616.9	.....	5.6	6.0	113.09	111.85	113.07	.....	.8	.9	.8	.....



Table C.5.—Price Index for Gross Domestic Purchases

[Average annual percent change, based on chain-type price indexes (1992=100)]

Terminal year	Initial year																										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
1997	5.0	5.0	5.0	4.7	4.5	4.5	4.4	4.2	4.0	3.6	3.2	3.1	3.0	3.0	2.9	3.0	2.9	2.9	2.7	2.4	2.2	2.1	2.0	1.9	1.7	1.6	
1996	5.1	5.2	5.1	4.9	4.7	4.6	4.5	4.4	4.1	3.7	3.3	3.2	3.1	3.1	3.1	3.1	3.1	3.0	2.8	2.6	2.3	2.2	2.1	2.0	1.8		
1995	5.3	5.3	5.3	5.0	4.8	4.8	4.7	4.5	4.2	3.8	3.5	3.3	3.2	3.2	3.2	3.3	3.2	3.0	2.7	2.5	2.4	2.3	2.3	2.3			
1994	5.4	5.4	5.4	5.2	5.0	4.9	4.8	4.7	4.4	3.9	3.5	3.3	3.3	3.4	3.4	3.4	3.3	3.2	2.8	2.5	2.4	2.3	2.3				
1993	5.5	5.6	5.6	5.3	5.1	5.1	5.0	4.8	4.5	4.1	3.6	3.4	3.4	3.4	3.5	3.6	3.5	3.4	3.0	2.6	2.5						
1992	5.7	5.7	5.7	5.5	5.3	5.2	5.1	5.0	4.7	4.2	3.7	3.5	3.5	3.5	3.5	3.7	3.8	3.8	3.7	3.2	2.8						
1991	5.8	5.9	5.9	5.7	5.4	5.4	5.3	5.2	4.8	4.3	3.8	3.6	3.6	3.6	3.7	3.9	4.0	4.1	4.1	3.7							
1990	5.9	6.0	6.0	5.8	5.6	5.5	5.4	5.3	4.9	4.4	3.9	3.6	3.6	3.6	3.7	3.9	4.1	4.4	4.5								
1989	6.0	6.1	6.1	5.9	5.6	5.6	5.5	5.3	5.0	4.4	3.8	3.5	3.4	3.4	3.5	3.7	3.9	4.2									
1988	6.1	6.2	6.3	6.0	5.7	5.7	5.6	5.5	5.1	4.4	3.7	3.4	3.3	3.2	3.2	3.5	3.6										
1987	6.3	6.4	6.5	6.2	5.9	5.9	5.8	5.7	5.2	4.5	3.7	3.3	3.2	3.1	3.0	3.4											
1986	6.5	6.6	6.7	6.4	6.1	6.2	6.1	5.9	5.5	4.7	3.8	3.3	3.1	2.9	2.6												
1985	6.8	6.9	7.0	6.8	6.5	6.6	6.5	6.4	6.0	5.1	4.1	3.5	3.4	3.2													
1984	7.0	7.3	7.4	7.1	6.9	7.0	7.0	7.0	6.6	5.6	4.4	3.7	3.5														
1983	7.3	7.6	7.8	7.5	7.3	7.5	7.6	7.7	7.3	6.3	4.8	3.8															
1982	7.7	8.0	8.2	8.0	7.8	8.1	8.4	8.7	8.6	7.5	5.9																
1981	7.9	8.2	8.5	8.3	8.1	8.6	9.0	9.6	9.9	9.2																	
1980	7.7	8.1	8.4	8.2	7.9	8.5	9.0	9.8	10.7																		
1979	7.3	7.8	8.1	7.7	7.3	7.7	8.2	9.0																			
1978	7.1	7.6	7.9	7.3	6.7	7.1	7.4																				
1977	7.1	7.6	8.0	7.3	6.3	6.9																					
1976	7.1	7.8	8.4	7.5	5.8																						
1975	7.4	8.4	9.7	9.3																							
1974	6.8	8.0	10.2																								
1973	5.2	5.9																									
1972	4.5																										

Table C.6.—Real Final Sales of Domestic Product

[Average annual percent change, based on chain-type quantity indexes (1992=100)]

Terminal year	Initial year																										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
1997	2.8	2.7	2.6	2.7	2.8	2.8	2.7	2.6	2.5	2.6	2.7	3.0	2.9	2.8	2.6	2.5	2.5	2.3	2.3	2.3	2.9	2.9	3.1	3.2	3.4	3.5	
1996	2.8	2.7	2.6	2.7	2.8	2.7	2.6	2.5	2.4	2.6	2.7	2.9	2.9	2.7	2.5	2.4	2.4	2.2	2.1	2.2	2.7	2.8	3.0	3.1	3.4		
1995	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.5	2.6	2.9	2.8	2.6	2.4	2.3	2.0	1.9	1.9	1.9	2.6	2.6	2.8	2.8			
1994	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.5	2.6	2.9	2.8	2.6	2.4	2.3	2.2	1.9	1.7	1.7	2.5	2.5	2.9				
1993	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	2.9	2.8	2.6	2.3	2.2	2.1	1.7	1.4	1.3	2.3	2.1					
1992	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	3.0	2.9	2.6	2.4	2.2	2.1	1.6	1.1	-.9	2.5						
1991	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	3.0	2.9	2.7	2.3	2.1	2.0	1.3	.4	-7							
1990	3.0	2.9	2.7	2.9	3.0	3.0	2.9	2.7	2.6	2.8	3.0	3.5	3.5	3.2	3.0	2.8	2.9	2.3	1.6								
1989	3.1	2.9	2.8	3.0	3.1	3.1	3.0	2.8	2.7	2.9	3.2	3.8	3.8	3.6	3.3	3.2	3.5	3.0									
1988	3.1	2.9	2.8	3.0	3.2	3.1	3.0	2.7	2.7	2.9	3.2	3.9	4.0	3.7	3.4	3.4	4.1										
1987	3.0	2.9	2.7	2.9	3.1	3.0	2.9	2.6	2.5	2.8	3.1	3.9	3.9	3.6	3.1	2.6											
1986	3.0	2.9	2.7	2.9	3.1	3.0	2.9	2.6	2.5	2.8	3.2	4.2	4.4	4.1	3.5												
1985	3.0	2.8	2.6	2.9	3.1	3.0	2.8	2.5	2.3	2.7	3.1	4.4	4.8	4.6													
1984	2.9	2.7	2.4	2.7	2.9	2.8	2.6	2.1	1.9	2.2	2.6	4.3	5.0														
1983	2.7	2.5	2.2	2.5	2.7	2.5	2.2	1.5	1.1	1.3	1.4	3.7															
1982	2.6	2.3	2.0	2.3	2.5	2.3	1.9	1.0	.3	.1	-9																
1981	3.0	2.7	2.4	2.8	3.1	2.9	2.6	1.7	.8	1.1																	
1980	3.2	2.9	2.6	3.1	3.5	3.4	3.1	2.0	.6																		
1979	3.5	3.2	2.9	3.6	4.3	4.3	4.3	3.4																			
1978	3.5	3.2	2.8	3.6	4.6	4.8	5.3																				
1977	3.3	2.8	2.2	3.1	4.2	4.4																					
1976	3.0	2.4	1.5	2.4	4.0																						
1975	2.8	1.9	.3	.9																							
1974	3.4	2.5	-3																								
1973	5.3	5.3																									
1972	5.4																										

Table C.7.—Real Disposable Personal Income

[Average annual percent change, based on chained (1992) dollar estimates]

Terminal year	Initial year																										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
1997	2.7	2.7	2.5	2.6	2.7	2.6	2.6	2.4	2.4	2.5	2.5	2.7	2.7	2.3	2.3	2.2	2.2	2.0	2.0	2.1	2.4	2.4	2.7	2.8	2.8	2.8	
1996	2.7	2.7	2.5	2.6	2.7	2.6	2.6	2.4	2.4	2.5	2.5	2.7	2.7	2.3	2.2	2.1	1.9	1.9	2.0	2.0	2.4	2.3	2.6	2.8			
1995	2.7	2.7	2.5	2.6	2.7	2.6	2.6	2.4	2.4	2.5	2.5	2.7	2.7	2.2	2.2	2.1	1.8	1.8	1.8	1.8	2.3	2.1	2.5	2.5	2.8		
1994	2.7	2.6	2.4	2.6	2.7	2.6	2.5	2.4	2.4	2.5	2.5	2.6	2.6	2.2	2.1	2.0	1.7	1.6	1.5	2.1	1.8	2.1	2.5	2.8			
1993	2.8	2.7	2.5	2.6	2.7	2.6	2.6	2.4	2.4	2.5	2.5	2.7	2.7	2.2	2.1	1.9	2.0	1.5	1.4	1.3	2.0	2.0	2.3				
1992	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.5	2.4	2.6	2.6	2.8	2.8	2.3	2.2	2.1	1.6	1.4	1.3	2.0	2.7						
1991	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.6	2.6	2.8	2.8	2.2	2.1	1.9	1.9	1.2	.8	-1							
1990	3.0	2.9	2.7	2.9	2.9	2.9	2.9	2.7	2.7	2.9	2.9	3.2	3.3	2.6	2.5	2.4	2.6	1.9	1.8								
1989	3.1	3.0	2.7	2.9	3.0	3.0	2.9	2.7	2.7	3.0	3.1	3.4	3.5	2.8	2.7	2.7	3.0	2.0									
1988	3.1	3.0	2.8	3.0	3.1	3.0	3.0	2.8	2.8	3.1	3.2	3.6	3.8	3.0	3.0	3.0	4.1										
1987	3.1	3.0	2.7	2.9																							

## D. Domestic Perspectives

This table presents data collected from other government agencies and private organizations, as noted. Quarterly data are shown in the middle month of the quarter.

Table D.1.—Domestic Perspectives

	1997	1998	1997		1998											
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Consumer and producer prices, (monthly data seasonally adjusted) <sup>1</sup>																
Consumer price index for all urban consumers, 1982=100:																
All items .....	160.5	163.0	161.8	161.9	161.9	162.0	162.0	162.4	162.9	163.0	163.3	163.6	163.6	164.0	164.3	164.5
Less food and energy .....	169.5	173.4	171.0	171.4	171.7	172.2	172.4	172.9	173.3	173.5	173.8	174.2	174.5	174.8	175.1	175.6
Services .....	179.4	184.2	181.4	181.7	181.9	182.3	182.7	183.4	183.9	184.1	184.4	184.8	185.2	185.5	186.0	186.3
Producer price index, 1982=100:																
Finished goods .....	131.8	130.6	131.6	131.4	130.6	130.5	130.4	130.6	130.7	130.5	130.7	130.3	130.6	130.9	130.7	131.2
Less food and energy .....	142.4	143.7	142.5	142.4	142.4	142.5	143.2	143.4	143.4	143.3	143.6	143.6	144.1	144.2	144.4	145.8
Finished consumer goods .....	130.2	128.9	130.0	129.8	128.8	128.6	128.5	128.9	129.0	128.8	129.1	128.5	128.9	129.3	128.9	129.5
Capital equipment .....	138.2	137.5	137.9	137.7	137.6	137.6	137.7	137.6	137.4	137.3	137.4	137.2	137.6	137.6	137.7	137.6
Intermediate materials .....	125.6	123.0	125.6	125.3	124.5	124.1	123.6	123.7	123.6	123.2	123.2	122.8	122.5	122.3	122.0	121.3
Crude materials .....	111.1	96.7	115.0	108.6	102.3	100.4	99.2	100.5	100.1	97.5	97.6	93.7	92.5	94.1	92.8	89.3
Money, interest rates, and stock prices																
Money stock (monthly and quarterly data seasonally adjusted): <sup>2</sup>																
Percent change:																
M1 .....			0.69	0.64	-0.21	0.26	0.43	-0.04	-0.28	-0.30	-0.24	-0.27	0.31	0.63	0.85	0.40
M2 .....			.61	.57	.62	.81	.70	.80	.24	.43	.39	.68	1.21	1.06	.90	.84
Ratio:																
Gross domestic product to M1 .....	7.580	7.892	7.722			7.784			7.833			7.972			7.981	
Personal income to M2 .....	1.725	1.686	1.718	1.712	1.696	1.707	1.702	1.694	1.697	1.694	1.694	1.690	1.675	1.664	1.656	1.651
Interest rates (percent, not seasonally adjusted): <sup>2</sup>																
Federal funds rate .....	5.46	5.35	5.52	5.50	5.56	5.51	5.49	5.45	5.49	5.56	5.54	5.55	5.51	5.07	4.83	4.68
Discount rate on new 91-day Treasury bills .....	5.07	4.81	5.15	5.16	5.09	5.11	5.03	5.00	5.03	4.99	4.96	4.94	4.74	4.08	4.44	4.42
Yield on new high-grade corporate bonds .....	7.40	6.44	6.79	6.68	6.62	6.66	6.63	6.59	6.63	6.43	6.35	6.34	6.27	6.21	6.42	6.13
10-Year U.S. Treasury bonds .....	6.35	5.26	5.88	5.81	5.54	5.57	5.65	5.64	5.65	5.50	5.46	5.34	4.81	4.53	4.83	4.65
Yield on municipal bonds, 20-bond average .....	5.52	5.09	5.33	5.19	5.06	5.10	5.21	5.23	5.20	5.12	5.14	5.10	4.99	4.93	5.03	4.98
Mortgage commitment rate .....	7.60	6.94	7.21	7.10	6.99	7.04	7.13	7.14	7.14	7.00	6.95	6.92	6.72	6.71	6.87	6.72
Average prime rate charged by banks .....	8.44	8.35	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.49	8.12	7.89	7.75
Index of stock prices (not seasonally adjusted): <sup>3</sup>																
500 common stocks, 1941=43=10 .....	872.72	1,084.31	938.92	962.37	963.36	1,023.74	1,076.83	1,112.20	1,108.42	1,108.39	1,156.58	1,074.62	1,020.64	1,032.47	1,144.43	1,190.05
Labor markets (thousands, monthly and quarterly data seasonally adjusted, unless otherwise noted) <sup>1</sup>																
Civilian labor force .....	136,297	137,673	136,835	137,086	137,288	137,384	137,340	137,232	137,369	137,498	137,407	137,481	138,081	138,116	138,193	138,547
Labor force participation rates (percent):																
Males 20 and over .....	77.0	76.8	76.9	76.9	76.9	76.9	76.7	76.9	76.8	76.7	76.8	76.5	76.8	76.7	76.8	76.8
Females 20 and over .....	60.5	60.4	60.4	60.7	60.5	60.6	60.6	60.4	60.4	60.4	60.2	60.4	60.4	60.4	60.4	60.6
16-19 years of age .....	51.6	52.8	52.0	51.5	52.9	53.1	53.0	51.9	52.4	53.0	52.3	52.6	53.5	53.1	52.4	52.9
Civilian employment .....	129,558	131,463	130,546	130,638	130,943	131,021	130,908	131,280	131,330	131,253	131,176	131,264	131,818	131,858	132,113	132,526
Ratio, civilian employment to working-age population (percent) .....	63.8	64.1	64.0	64.0	64.1	64.1	64.0	64.1	64.1	64.0	63.9	63.9	64.1	64.0	64.1	64.2
Persons engaged in nonagricultural activities .....	126,159	128,085	127,169	127,255	127,606	127,676	127,735	127,899	127,979	127,890	127,753	127,772	128,348	128,300	128,765	129,304
Employees on nonagricultural payrolls .....	122,690	125,833	123,944	124,289	124,640	124,832	124,914	125,234	125,562	125,751	125,869	126,191	126,363	126,527	126,778	127,156
Goods-producing industries .....	24,934	25,256	25,099	25,193	25,297	25,314	25,276	25,339	25,301	25,304	25,135	25,253	25,241	25,209	25,184	25,272
Services-producing industries .....	97,756	100,577	98,845	99,096	99,343	99,518	99,638	99,895	100,261	100,447	100,734	100,938	101,122	101,318	101,594	101,884
Average weekly hours, manufacturing .....	42.0	41.7	42.1	42.2	42.1	42.0	41.8	41.4	41.8	41.8	41.7	41.7	41.6	41.7	41.6	41.8
Average weekly overtime hours, manufacturing (hours) .....	4.8	4.6	4.9	4.9	4.9	4.8	4.8	4.5	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5
Number of persons unemployed .....	6,739	6,210	6,289	6,448	6,345	6,363	6,432	5,952	6,039	6,245	6,231	6,217	6,263	6,258	6,080	6,021
Unemployment rates (percent):																
Total .....	4.9	4.5	4.6	4.7	4.6	4.6	4.7	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3
15 weeks and over .....	1.5	1.2	1.3	1.4	1.3	1.3	1.3	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1
Average duration of unemployment (weeks) .....	15.8	14.5	15.4	16.0	15.5	15.4	14.6	14.5	14.7	14.1	14.3	13.7	14.3	14.1	14.4	14.1
Nonfarm business sector, 1992=100:																
Output per hour of all persons .....	105.1		105.9			106.8			106.8			107.6				
Unit labor costs .....	109.0		109.9			110.2			111.2			111.5				
Hourly compensation .....	114.5		116.3			117.6			118.8			120.0				

See footnotes at the end of the table.

Table D.1.—Domestic Perspectives—Continued

	1997	1998	1997		1998											
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Construction (monthly data seasonally adjusted at annual rates) <sup>4</sup>																
Total new private construction put in place (billions of dollars) .....	471.2	510.8	475.3	478.4	487.8	490.9	494.3	500.1	496.5	503.6	511.5	516.6	521.0	525.1	530.7	537.2
Residential .....	265.6	297.1	268.9	273.0	279.0	282.5	286.0	289.7	288.0	291.9	299.3	300.6	305.0	306.1	310.3	315.3
Nonresidential .....	165.1	170.9	164.8	164.9	167.6	167.0	165.4	169.4	166.3	169.6	169.4	172.2	172.3	174.2	176.8	179.2
Housing starts (thousands of units):																
Total .....	1,474	1,616	1,523	1,540	1,545	1,616	1,585	1,546	1,538	1,620	1,704	1,621	1,569	1,693	1,662	1,720
1-unit structures .....	1,134	1,270	1,167	1,130	1,225	1,263	1,239	1,237	1,224	1,269	1,300	1,261	1,250	1,291	1,367	1,357
New 1-family houses sold (thousands of units) .....	804	888	875	805	853	878	836	892	892	919	877	839	845	907	1,015	978
Manufacturing and trade, inventories and sales (millions of dollars, monthly data seasonally adjusted) <sup>4</sup>																
Inventories:																
Total manufacturing and trade .....	1,053,078	1,050,726	1,053,078	1,055,034	1,062,460	1,068,754	1,070,555	1,070,022	1,070,515	1,070,875	1,074,870	1,080,866	1,083,366	1,088,217	1,088,217	1,088,217
Manufacturing .....	456,133	457,766	456,133	458,197	461,178	461,948	464,668	465,729	466,701	467,636	468,445	468,552	471,031	471,720	471,720	471,720
Merchant wholesalers .....	273,298	271,168	273,298	272,130	275,750	277,624	275,933	277,699	277,518	277,466	280,591	284,128	283,776	285,365	285,365	285,365
Retail trade .....	323,647	321,792	323,647	324,707	325,532	329,182	329,954	326,594	326,296	325,773	325,834	328,186	328,559	331,132	331,132	331,132
Sales:																
Total manufacturing and trade .....	8,995,737	756,422	763,107	761,165	768,061	773,877	772,160	772,405	774,639	773,762	772,454	779,478	781,447	784,861	784,861	784,861
Manufacturing .....	3,929,419	331,404	336,424	331,937	335,883	338,991	335,553	333,622	335,110	335,380	336,445	340,481	340,133	341,370	341,370	341,370
Merchant wholesalers .....	2,500,109	208,934	209,816	210,224	211,312	213,781	213,900	213,413	213,904	214,229	211,713	213,856	213,429	214,145	214,145	214,145
Retail trade .....	2,566,209	216,084	216,867	219,004	220,866	221,105	222,707	225,370	225,625	224,153	224,296	225,141	227,885	229,346	229,346	229,346
Industrial production indexes and capacity utilization rates (monthly data seasonally adjusted) <sup>2</sup>																
Industrial production indexes, 1992=100:																
Total .....	126.8	131.4	129.9	130.3	130.3	130.2	130.7	131.3	131.9	130.6	130.5	132.4	131.9	132.6	132.5	132.8
By industry:																
Durable manufactures .....	147.1	157.5	153.3	154.0	153.9	154.0	155.2	156.2	157.2	154.8	154.4	159.8	159.6	161.1	160.9	161.5
Nondurable manufactures .....	111.3	112.0	112.6	112.7	113.1	112.8	112.4	113.0	113.0	112.0	112.1	111.3	110.6	111.2	111.8	111.8
By market category:																
Consumer goods .....	114.1	115.4	115.9	115.4	116.0	115.2	115.8	116.4	116.8	115.1	114.0	116.1	114.8	115.6	115.8	115.8
Capacity utilization rates (percent):																
Total industry .....	82.9	81.9	83.4	83.4	83.0	82.6	82.6	82.6	82.6	81.5	81.1	82.0	81.3	81.4	81.0	80.9
Manufacturing .....	82.0	80.9	82.6	82.5	82.2	81.8	81.6	81.7	81.6	80.2	79.8	80.7	80.1	80.4	80.1	79.9
Credit market borrowing (billions of dollars, quarterly data seasonally adjusted at annual rates) <sup>2</sup>																
All sectors, by instrument:																
Total .....	1,470.7	1,985.3	1,985.3	1,985.3	1,830.3	1,830.3	1,830.3	2,037.6	2,037.6	2,037.6	1,896.3	1,896.3	1,896.3	1,896.3	1,896.3	1,896.3
Open market paper .....	184.1	257.7	257.7	257.7	347.3	347.3	347.3	116.6	116.6	116.6	236.2	236.2	236.2	236.2	236.2	236.2
U.S. government securities .....	235.9	338.9	338.9	338.9	197.3	197.3	197.3	342.5	342.5	342.5	425.1	425.1	425.1	425.1	425.1	425.1
Municipal securities .....	71.4	103.2	103.2	103.2	116.7	116.7	116.7	100.1	100.1	100.1	84.1	84.1	84.1	84.1	84.1	84.1
Corporate and foreign bonds .....	345.4	452.7	452.7	452.7	487.0	487.0	487.0	641.8	641.8	641.8	212.0	212.0	212.0	212.0	212.0	212.0
Bank loans, n.e.c. .....	129.3	185.1	185.1	185.1	79.9	79.9	79.9	172.9	172.9	172.9	187.2	187.2	187.2	187.2	187.2	187.2
Other loans and advances .....	102.2	196.8	196.8	196.8	108.9	108.9	108.9	109.4	109.4	109.4	157.6	157.6	157.6	157.6	157.6	157.6
Mortgages .....	349.9	413.1	413.1	413.1	436.1	436.1	436.1	489.2	489.2	489.2	505.8	505.8	505.8	505.8	505.8	505.8
Consumer credit .....	52.5	37.8	37.8	37.8	57.3	57.3	57.3	65.1	65.1	65.1	88.2	88.2	88.2	88.2	88.2	88.2

## Sources:

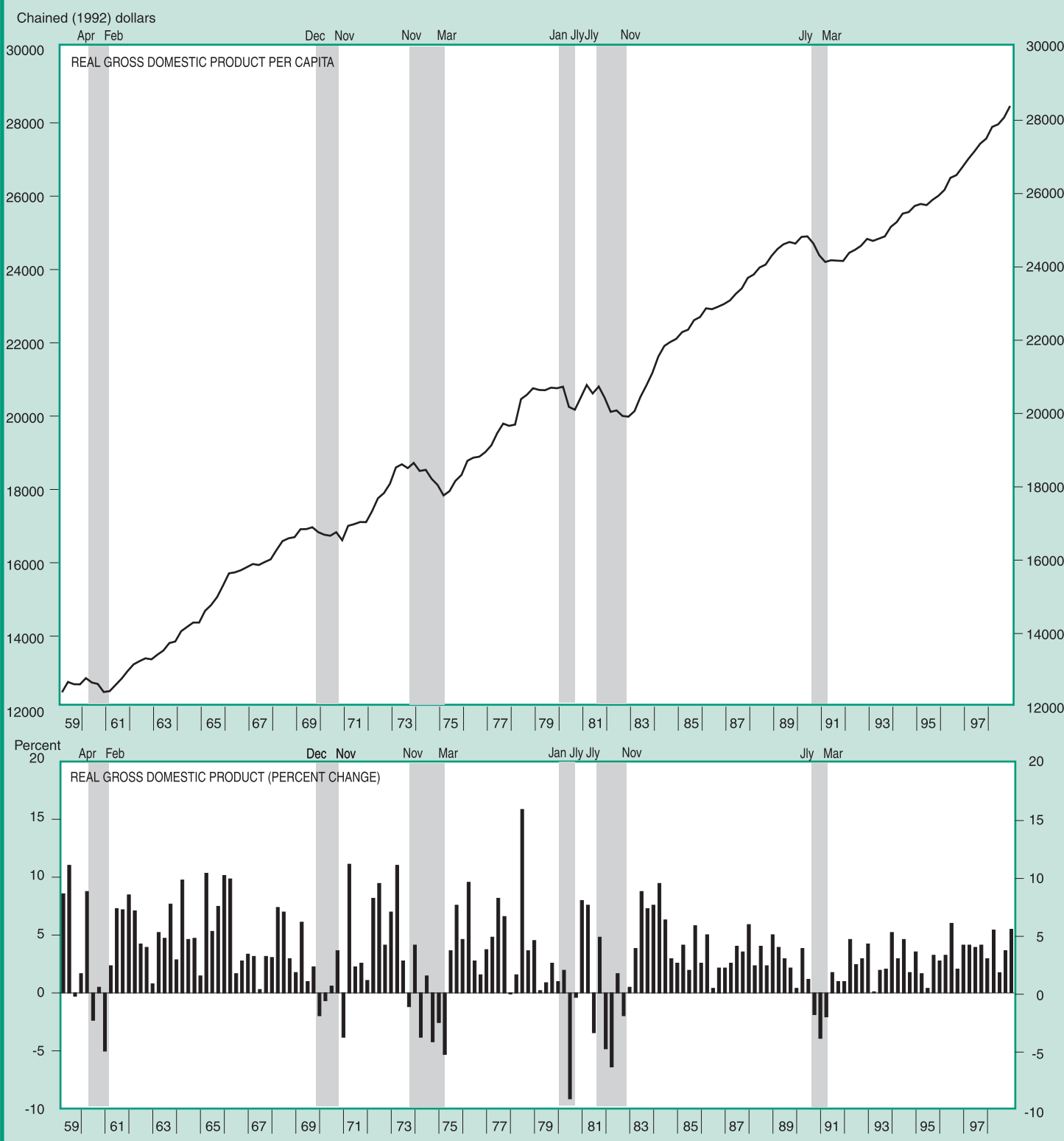
1. Bureau of Labor Statistics  
2. Federal Reserve Board

3. Standard and Poor's, Inc.  
4. Bureau of the Census  
n.e.c. Not elsewhere classified

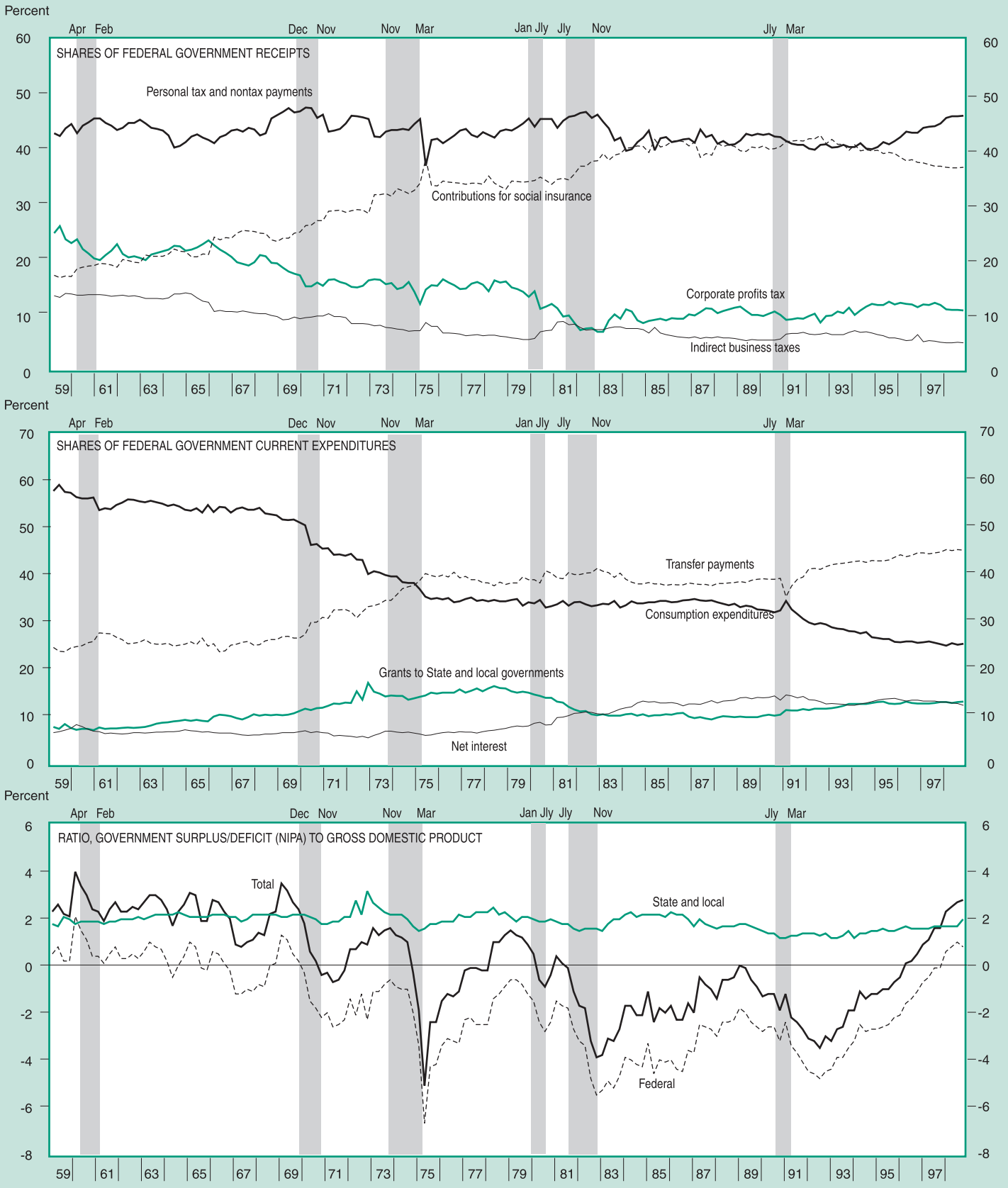
# E. Charts

Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.

## SELECTED NIPA SERIES

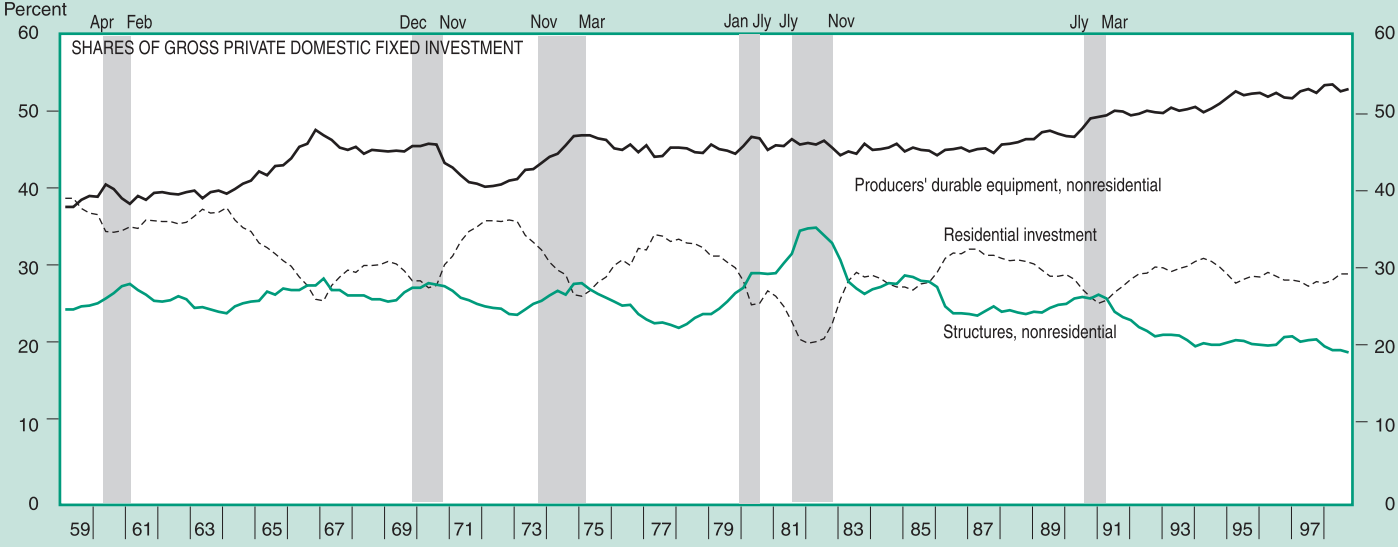
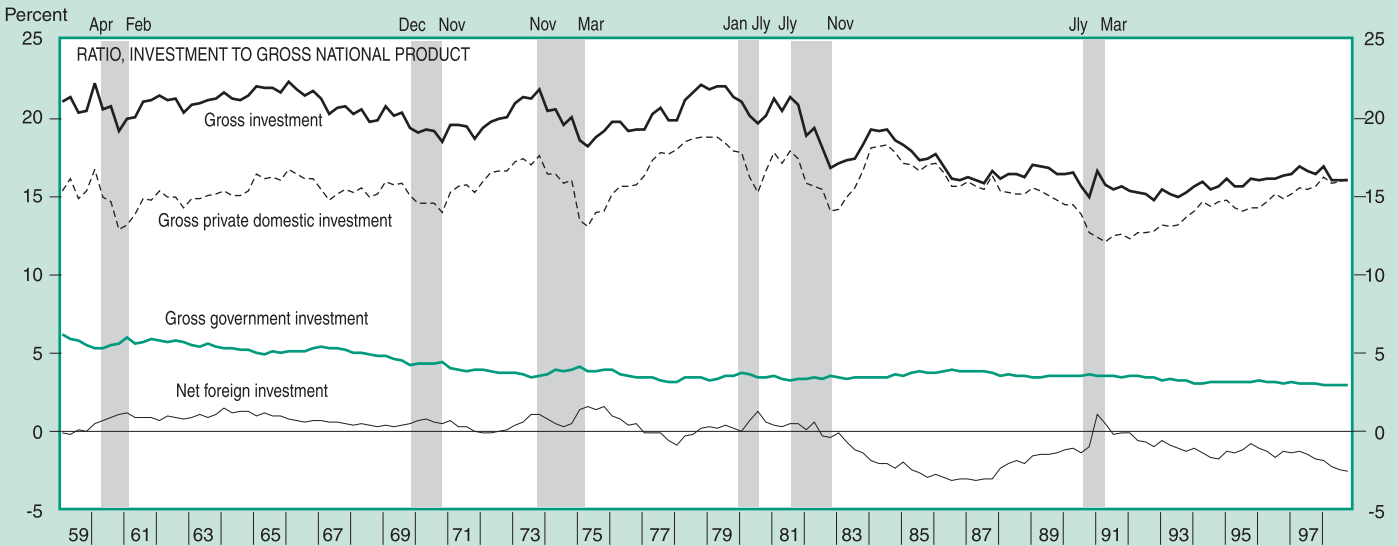
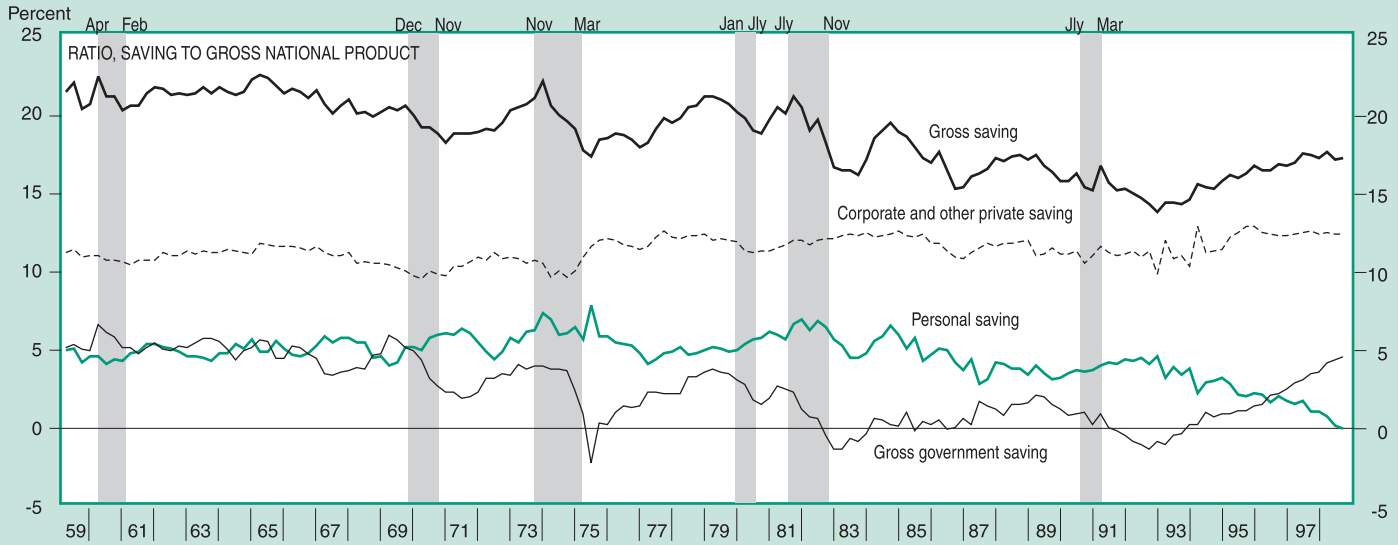


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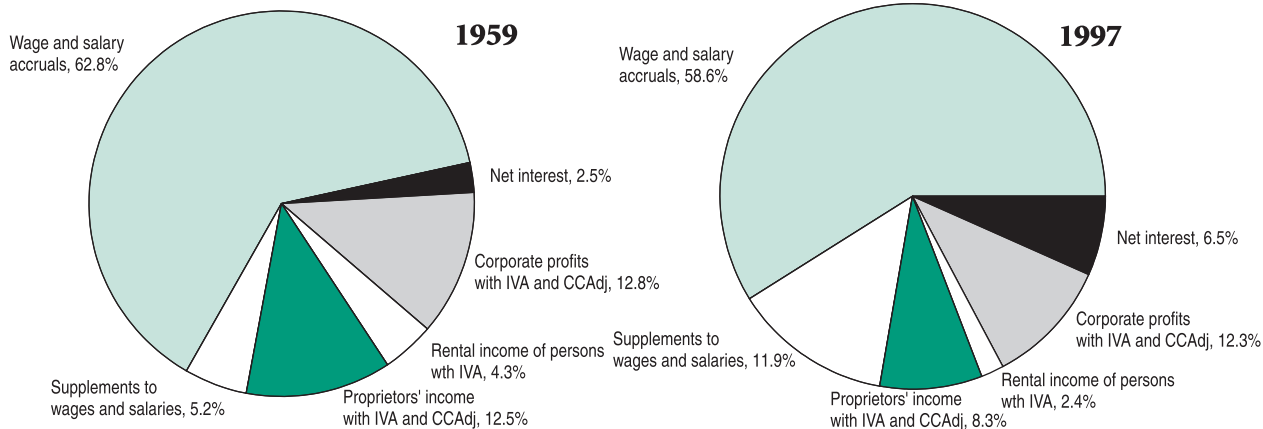


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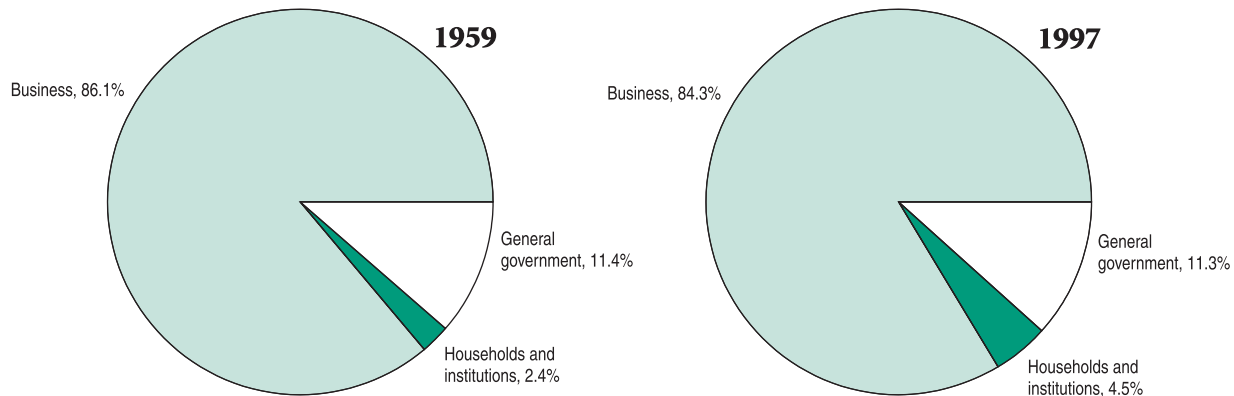


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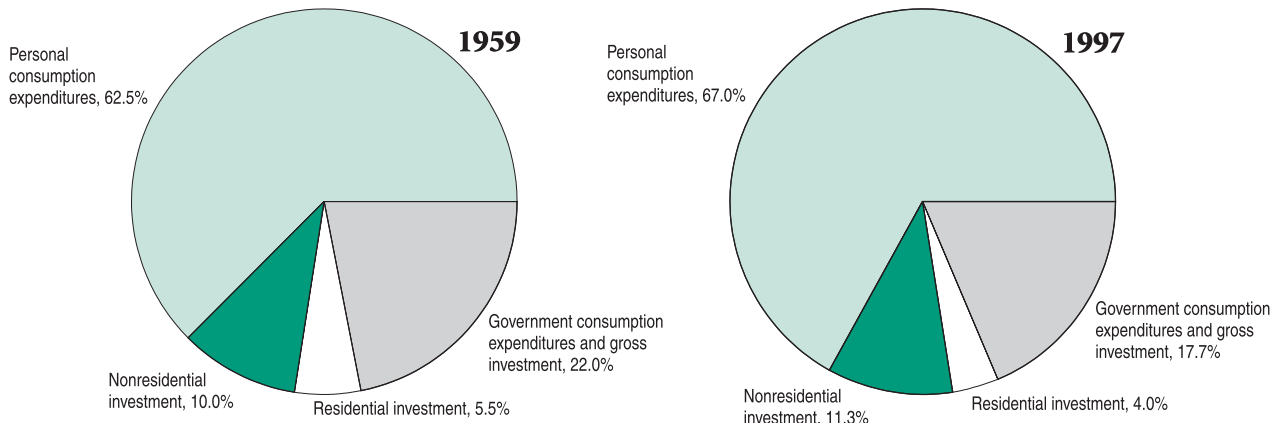
SHARES OF NATIONAL INCOME



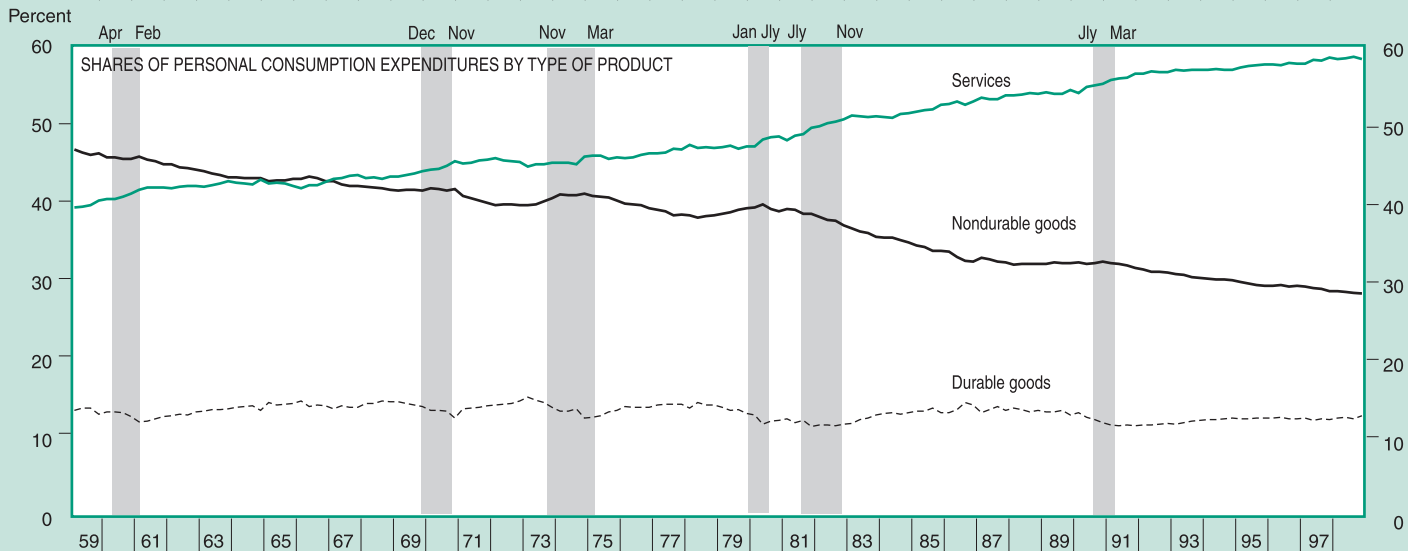
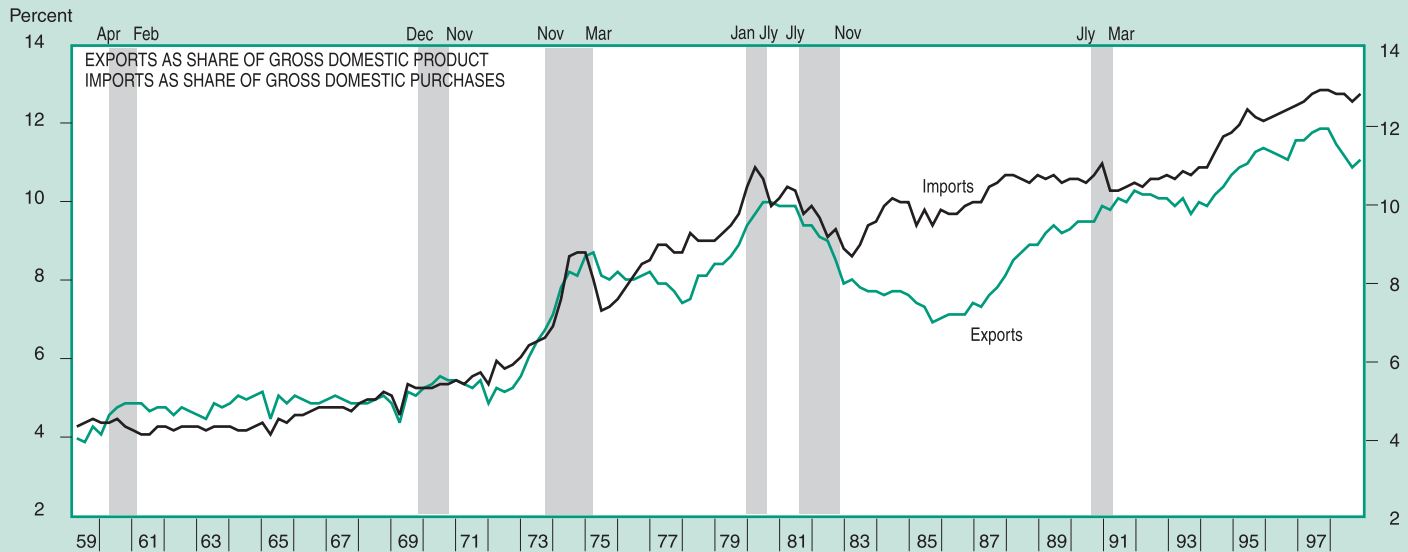
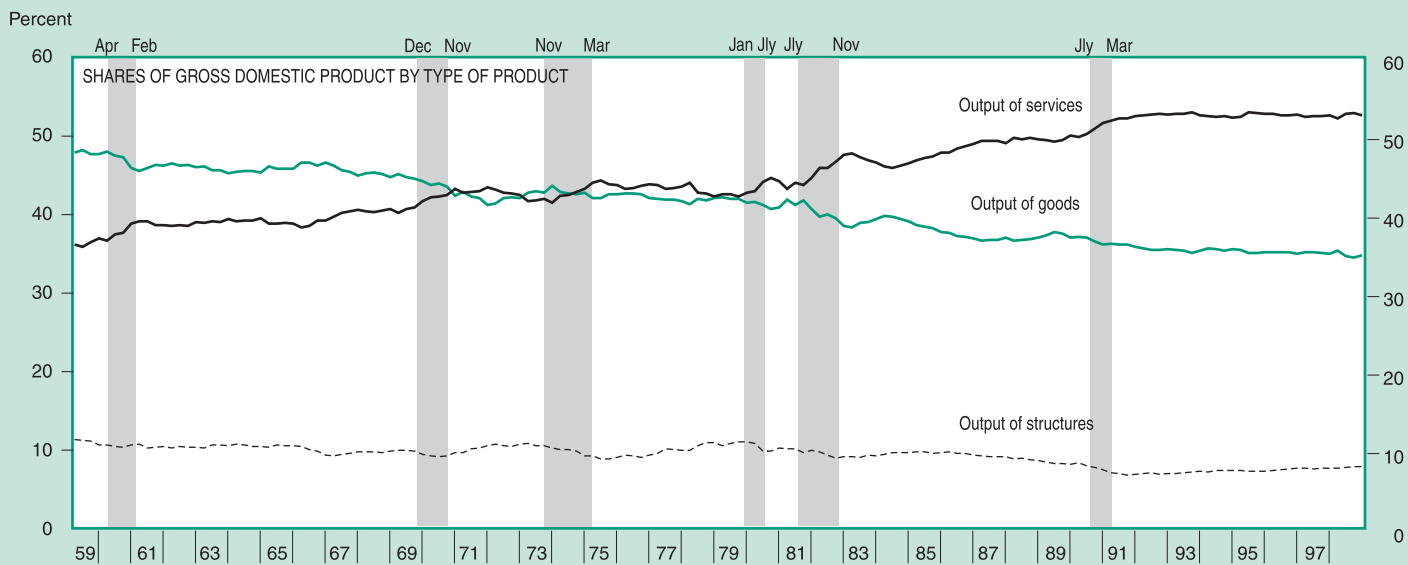
SHARES OF GROSS DOMESTIC PRODUCT BY SECTOR



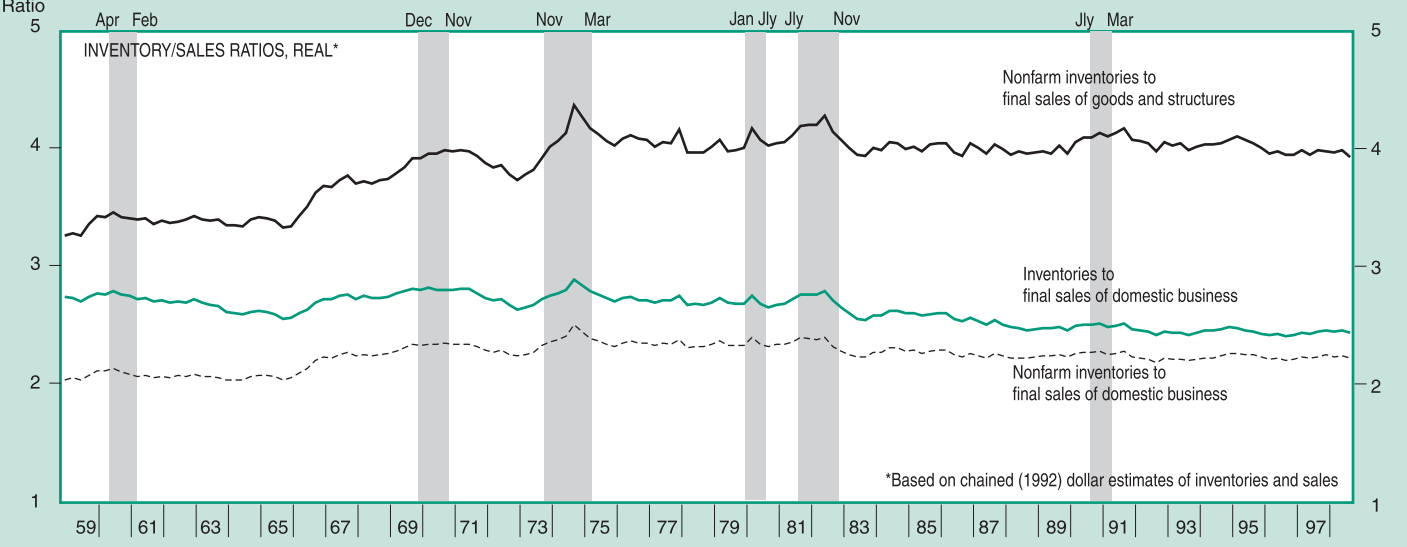
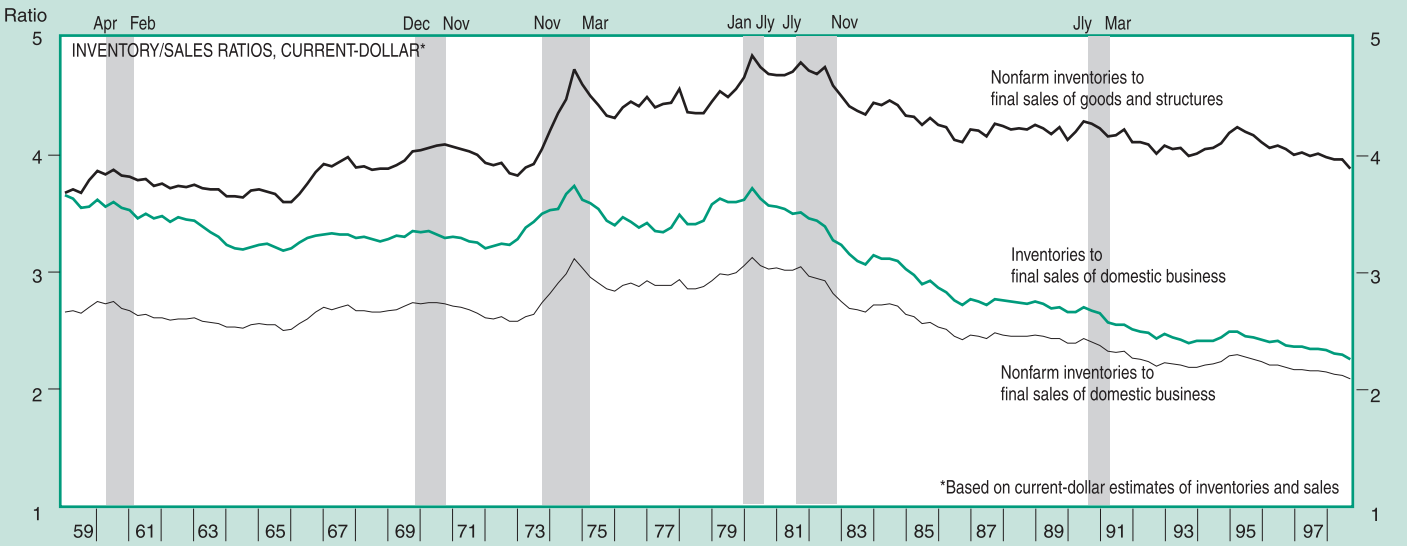
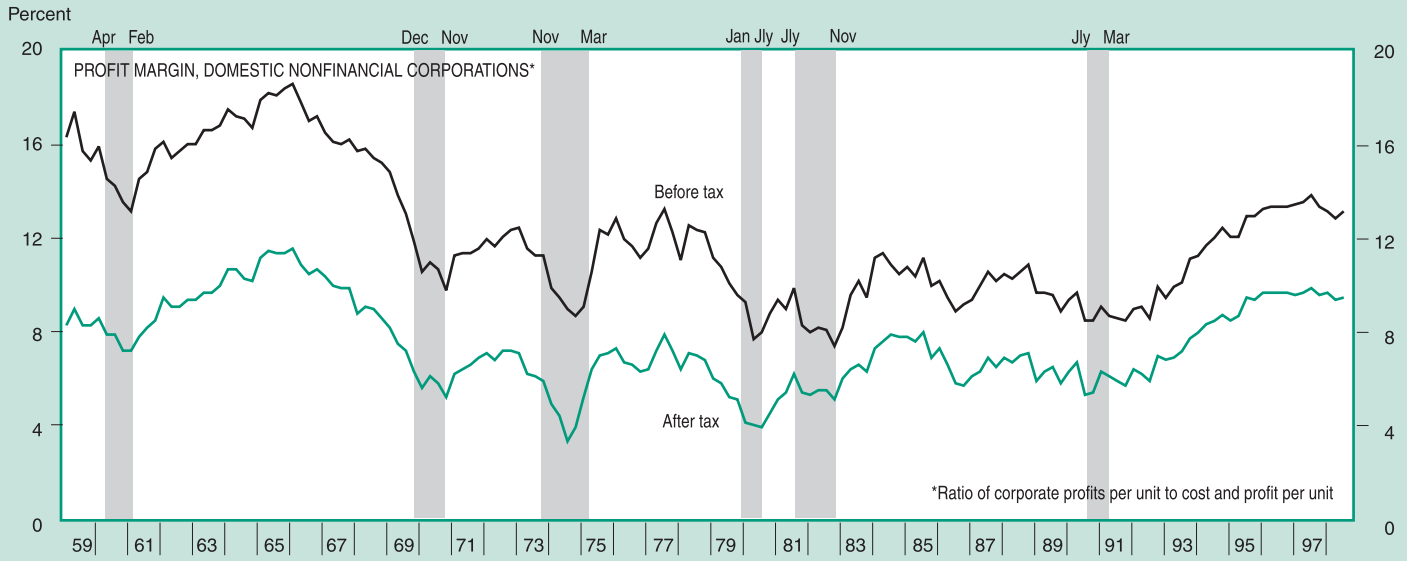
SHARES OF GROSS DOMESTIC PURCHASES



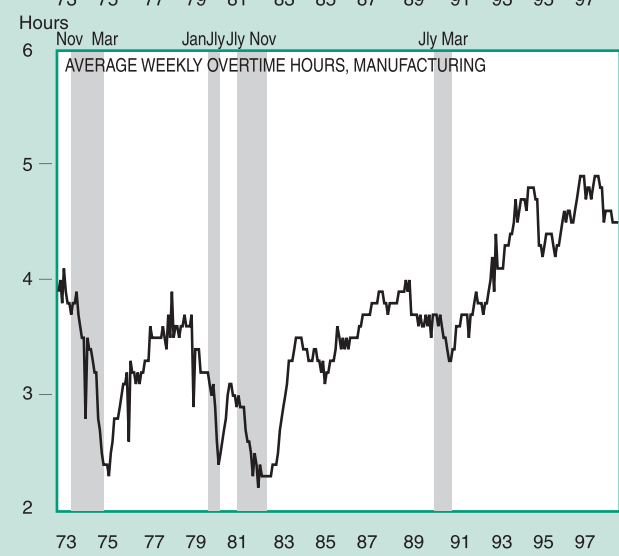
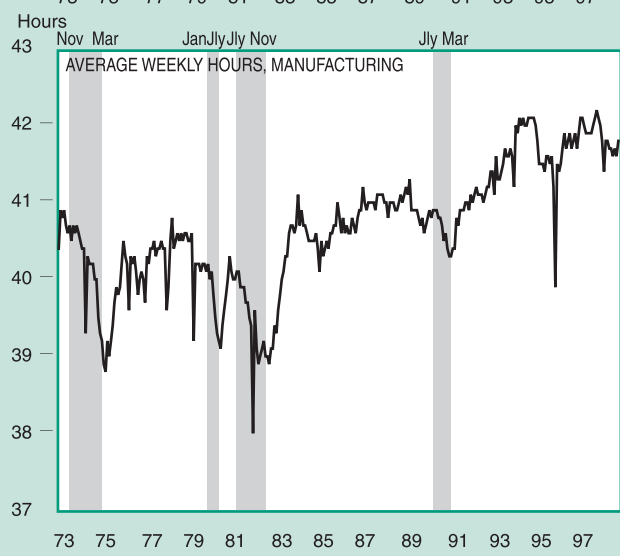
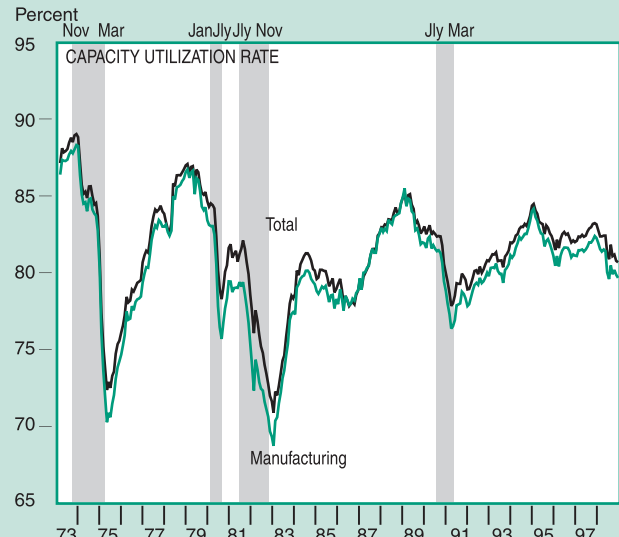
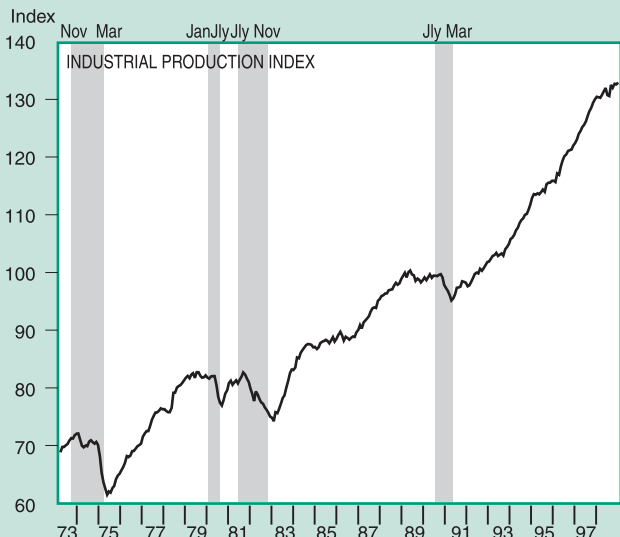
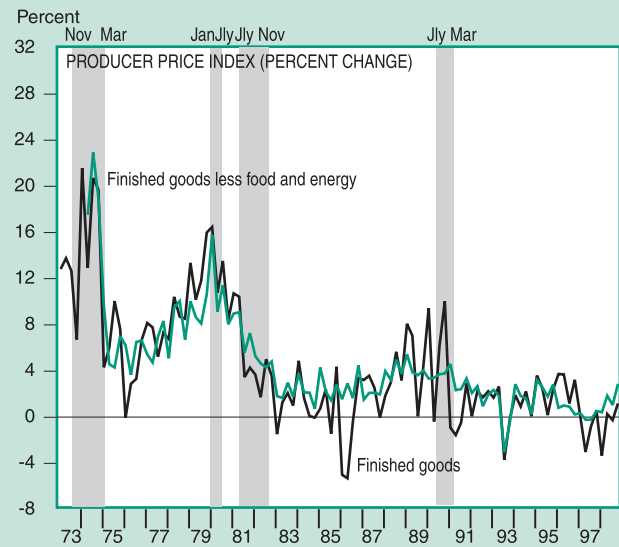
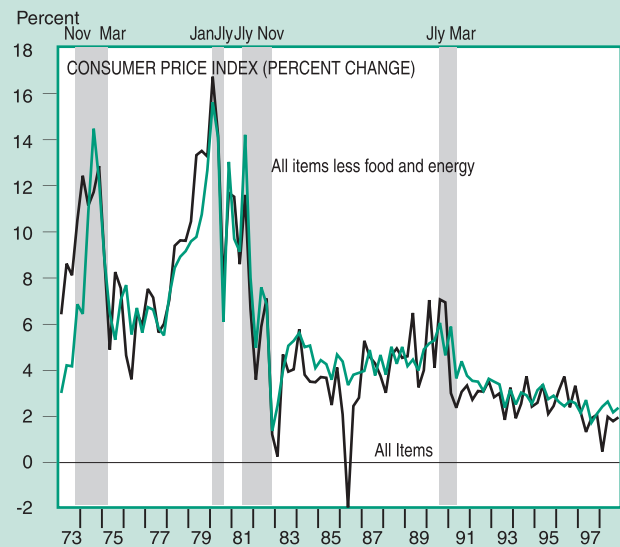
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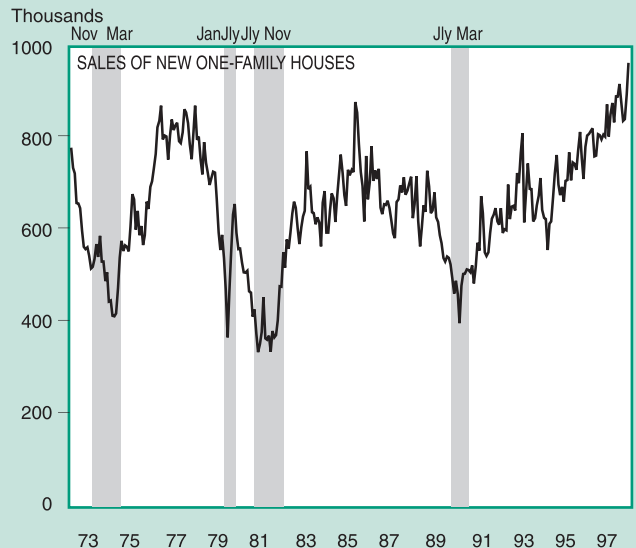
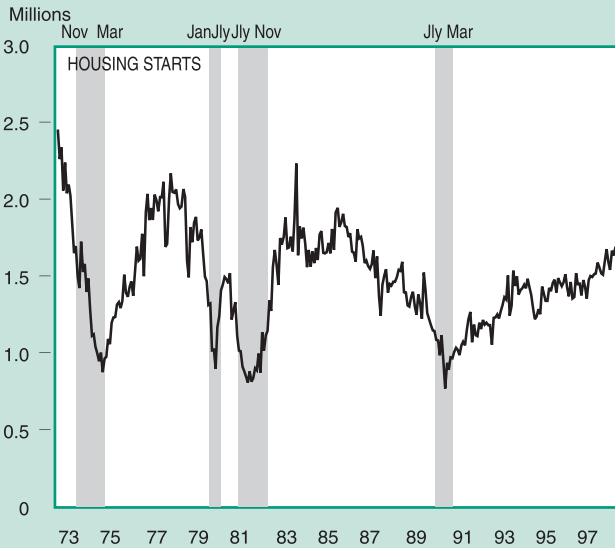
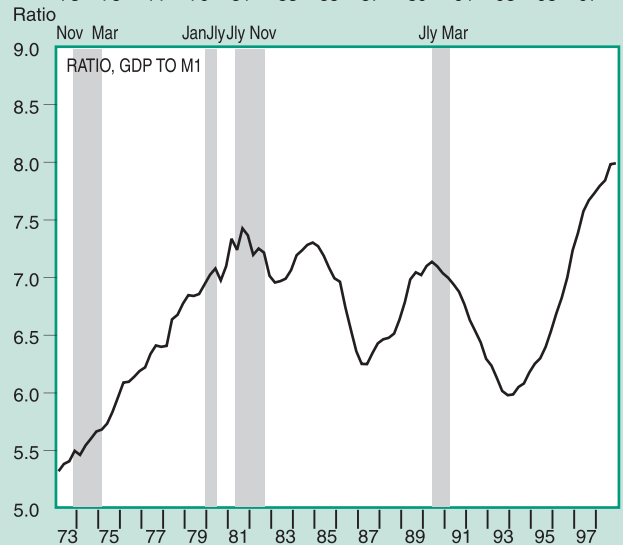
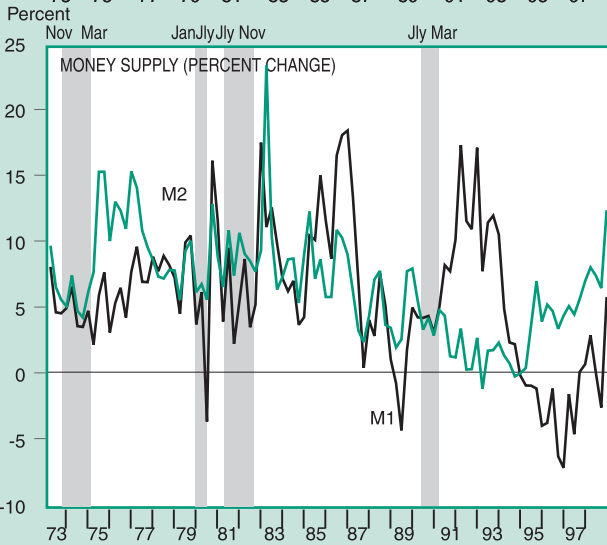
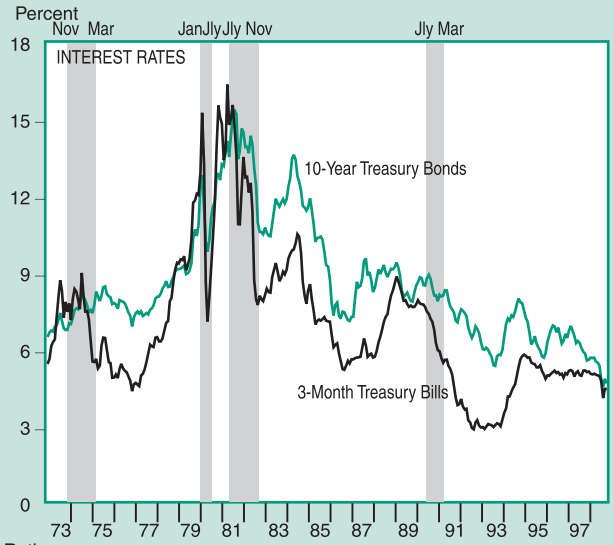
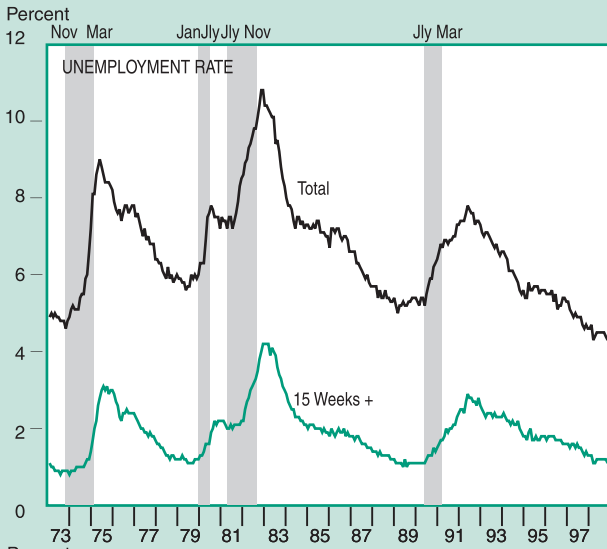
# SELECTED NIPA SERIES



# OTHER INDICATORS OF THE DOMESTIC ECONOMY



# OTHER INDICATORS OF THE DOMESTIC ECONOMY



# International Data

## F. Transactions Tables

Table F.1 includes the most recent estimates of U.S. international trade in goods and services; the estimates were released on January 21, 1999 and include "preliminary" estimates for November 1998 and "revised" estimates for October. The sources for the other tables in this section are as noted.

**Table F.1.—U.S. International Transactions in Goods and Services**

[Millions of dollars; monthly estimates seasonally adjusted]

	1996	1997	1997			1998										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>r</sup>	Nov. <sup>p</sup>
<b>Exports of goods and services .....</b>	<b>850,775</b>	<b>937,593</b>	<b>80,589</b>	<b>79,088</b>	<b>79,784</b>	<b>79,668</b>	<b>77,813</b>	<b>79,058</b>	<b>77,707</b>	<b>76,650</b>	<b>76,225</b>	<b>74,994</b>	<b>74,988</b>	<b>77,467</b>	<b>80,219</b>	<b>78,653</b>
<b>Goods .....</b>	<b>611,983</b>	<b>679,325</b>	<b>58,467</b>	<b>57,482</b>	<b>58,336</b>	<b>57,902</b>	<b>56,350</b>	<b>57,217</b>	<b>55,335</b>	<b>54,719</b>	<b>54,767</b>	<b>53,825</b>	<b>53,862</b>	<b>56,005</b>	<b>58,339</b>	<b>56,837</b>
Foods, feeds, and beverages .....	55,534	51,507	4,503	4,533	4,476	4,238	4,220	3,995	3,758	3,664	3,794	3,716	3,601	3,276	3,989	3,796
Industrial supplies and materials .....	147,652	158,226	13,304	13,064	13,087	13,040	12,553	12,861	12,471	12,562	12,052	11,864	12,037	11,915	12,477	12,376
Capital goods, except automotive .....	252,895	294,470	25,614	24,883	25,755	25,459	24,807	24,881	23,790	23,799	24,369	24,843	23,863	26,099	26,851	25,878
Automotive vehicles, engines, and parts .....	65,021	74,029	6,448	6,576	6,138	6,497	6,350	6,578	6,468	5,983	5,601	4,732	5,601	5,993	5,983	6,372
Consumer goods (nonfood), except automotive .....	70,138	77,446	6,752	6,521	6,416	6,609	6,425	6,550	6,590	6,562	6,864	6,858	6,892	6,735	6,811	6,548
Other goods .....	33,836	33,505	2,896	2,575	2,978	2,695	2,802	3,233	2,913	2,905	2,985	2,977	3,382	2,928	3,429	3,434
Adjustments <sup>1</sup> .....	-13,092	-9,858	-1,050	-670	-513	-636	-807	-882	-655	-756	-898	-965	-1,314	-940	-1,202	-1,567
<b>Services .....</b>	<b>238,792</b>	<b>258,268</b>	<b>22,122</b>	<b>21,606</b>	<b>21,448</b>	<b>21,766</b>	<b>21,463</b>	<b>21,841</b>	<b>22,372</b>	<b>21,931</b>	<b>21,458</b>	<b>21,169</b>	<b>21,126</b>	<b>21,462</b>	<b>21,880</b>	<b>21,816</b>
Travel .....	69,751	73,268	6,162	6,083	5,959	6,253	5,994	5,720	6,427	6,032	5,682	5,490	5,557	5,681	5,951	5,987
Passenger fares .....	20,413	20,895	1,812	1,799	1,753	1,803	1,737	1,658	1,624	1,744	1,655	1,527	1,555	1,590	1,613	1,632
Other transportation .....	26,074	26,911	2,337	2,226	2,246	2,237	2,120	2,149	2,120	2,022	2,089	2,137	2,178	2,237	2,229	2,348
Royalties and license fees .....	32,823	33,676	2,812	2,793	2,776	2,863	2,893	2,919	2,973	2,977	2,958	2,862	2,842	2,839	2,870	2,902
Other private services .....	73,073	84,465	7,420	7,348	7,302	7,217	7,263	7,423	7,597	7,578	7,738	7,711	7,647	7,704	7,711	7,647
Transfers under U.S. military agency sales contracts <sup>2</sup> .....	15,765	18,269	1,513	1,294	1,351	1,328	1,391	1,953	1,337	1,414	1,337	1,425	1,322	1,404	1,428	1,354
U.S. Government miscellaneous services .....	893	784	66	63	61	65	65	65	65	66	66	65	66	66	64	65
<b>Imports of goods and services .....</b>	<b>959,349</b>	<b>1,047,799</b>	<b>89,240</b>	<b>88,688</b>	<b>89,989</b>	<b>89,565</b>	<b>89,427</b>	<b>92,555</b>	<b>91,725</b>	<b>92,291</b>	<b>90,438</b>	<b>89,911</b>	<b>91,662</b>	<b>91,836</b>	<b>93,807</b>	<b>94,146</b>
<b>Goods .....</b>	<b>803,320</b>	<b>877,279</b>	<b>74,738</b>	<b>74,087</b>	<b>75,298</b>	<b>74,977</b>	<b>74,470</b>	<b>77,720</b>	<b>76,670</b>	<b>77,297</b>	<b>75,297</b>	<b>74,854</b>	<b>76,597</b>	<b>76,806</b>	<b>78,506</b>	<b>78,718</b>
Foods, feeds, and beverages .....	35,710	39,694	3,306	3,263	3,493	3,375	3,511	3,546	3,398	3,455	3,590	3,436	3,353	3,330	3,342	3,348
Industrial supplies and materials .....	204,482	213,767	18,191	18,088	17,198	17,277	16,829	16,733	17,294	17,448	16,610	16,629	16,807	16,495	16,853	16,335
Capital goods, except automotive .....	229,050	254,175	22,207	21,543	22,438	21,898	22,236	23,090	22,307	23,132	22,179	22,284	22,223	22,236	22,952	23,394
Automotive vehicles, engines, and parts .....	128,938	140,779	11,594	11,738	11,929	11,834	12,188	12,974	12,183	12,542	11,774	10,677	12,236	12,960	13,365	13,640
Consumer goods (nonfood), except automotive .....	171,007	192,918	16,472	16,778	17,269	17,200	16,871	18,213	18,274	17,693	18,174	18,267	17,981	18,014	18,190	18,275
Other goods .....	26,102	29,338	2,713	2,435	2,548	2,815	2,609	2,657	2,892	2,539	2,615	3,204	3,302	3,226	3,248	3,219
Adjustments <sup>1</sup> .....	8,031	6,609	255	242	423	578	226	508	322	288	355	358	695	546	556	508
<b>Services .....</b>	<b>156,029</b>	<b>170,520</b>	<b>14,502</b>	<b>14,601</b>	<b>14,691</b>	<b>14,588</b>	<b>14,957</b>	<b>14,835</b>	<b>15,055</b>	<b>14,994</b>	<b>15,141</b>	<b>15,057</b>	<b>15,065</b>	<b>15,030</b>	<b>15,301</b>	<b>15,428</b>
Travel .....	48,048	51,220	4,173	4,337	4,313	4,452	4,449	4,408	4,567	4,420	4,478	4,288	4,348	4,372	4,462	4,511
Passenger fares .....	15,818	18,235	1,482	1,541	1,534	1,545	1,563	1,542	1,613	1,564	1,580	1,548	1,520	1,500	1,543	1,573
Other transportation .....	27,403	28,949	2,499	2,369	2,530	2,355	2,346	2,550	2,417	2,497	2,516	2,565	2,582	2,476	2,564	2,605
Royalties and license fees .....	7,854	9,411	861	860	857	832	1,199	819	905	921	933	923	873	874	879	895
Other private services .....	43,138	48,421	4,230	4,250	4,202	4,123	4,114	4,234	4,297	4,343	4,388	4,481	4,488	4,554	4,598	4,585
Direct defense expenditures <sup>2</sup> .....	11,081	11,488	1,020	1,011	1,024	1,047	1,051	1,047	1,021	1,014	1,010	1,016	1,017	1,017	1,021	1,025
U.S. Government miscellaneous services .....	2,687	2,796	237	233	231	234	235	235	235	235	236	236	237	234	234	234
<b>Memoranda:</b>																
Balance on goods .....	-191,337	-197,955	-16,270	-16,605	-16,962	-17,076	-18,120	-20,504	-21,335	-22,578	-20,530	-21,029	-22,735	-20,802	-20,168	-21,881
Balance on services .....	82,763	87,748	7,620	7,005	6,757	7,178	6,506	7,006	7,317	6,937	6,317	6,112	6,061	6,432	6,579	6,388
Balance on goods and services .....	-108,574	-110,207	-8,650	-9,600	-10,205	-9,898	-11,614	-13,498	-14,018	-15,641	-14,213	-14,917	-16,674	-14,370	-13,589	-15,493

<sup>p</sup> Preliminary.

<sup>r</sup> Revised.

1. Reflects adjustments necessary to bring the Census Bureau's component data in line with the concepts and

definitions used to prepare BEA's international and national accounts.

2. Contains goods that cannot be separately identified.

Source: U.S. Department of Commerce, Bureau of Economic Analysis and Bureau of the Census.









Table F.3.—U.S. International Transactions, by Area  
 (Millions of dollars)

Line	(Credits +; debits -) <sup>1</sup>	Australia			Other countries in Asia and Africa			International organizations and unallocated <sup>16</sup>		
		1998			1998			1998		
		I	II <sup>r</sup>	III <sup>p</sup>	I	II <sup>r</sup>	III <sup>p</sup>	I	II <sup>r</sup>	III <sup>p</sup>
1	<b>Exports of goods, services, and income</b> .....	<b>5,698</b>	<b>5,618</b>	<b>5,681</b>	<b>53,789</b>	<b>51,851</b>	<b>51,506</b>	<b>5,849</b>	<b>5,999</b>	<b>6,199</b>
2	Goods, adjusted, excluding military <sup>2</sup> .....	3,109	2,858	2,931	34,244	32,927	31,278			
3	Services <sup>3</sup> .....	1,306	1,358	1,470	13,706	13,097	14,389	1,503	1,472	1,532
4	Transfers under U.S. military agency sales contracts <sup>4</sup> .....	212	219	220	2,486	2,422	2,429			
5	Travel .....	337	356	448	2,126	2,805	3,210			
6	Passenger fares .....	117	120	132	377	394	497			
7	Other transportation .....	76	77	82	1,999	1,990	2,049	130	134	170
8	Royalties and license fees <sup>5</sup> .....	158	180	175	1,046	1,021	1,051	434	444	439
9	Other private services <sup>5</sup> .....	402	400	407	5,584	4,377	5,065	939	894	923
10	U.S. Government miscellaneous services .....	4	6	6	88	88	88			
11	Income receipts on U.S. assets abroad .....	1,283	1,402	1,280	5,839	5,827	5,839	4,346	4,527	4,667
12	Direct investment receipts .....	508	631	530	2,916	2,862	2,829	2,319	2,465	2,651
13	Other private receipts .....	775	771	750	2,646	2,731	2,694	1,845	1,867	1,806
14	U.S. Government receipts .....			277	277	234	316	182	195	210
15	<b>Imports of goods, services, and income</b> .....	<b>-2,441</b>	<b>-2,438</b>	<b>-2,500</b>	<b>-76,018</b>	<b>-79,516</b>	<b>-87,264</b>	<b>-2,748</b>	<b>-2,547</b>	<b>-2,552</b>
16	Goods, adjusted, excluding military <sup>2</sup> .....	-1,262	-1,434	-1,313	-61,035	-63,802	-71,376			
17	Services <sup>3</sup> .....	-722	-555	-731	-8,179	-8,597	-8,864	-1,054	-720	-786
18	Direct defense expenditures .....	-11	-9	-9	-892	-1,003	-1,023			
19	Travel .....	-260	-159	-294	-2,427	-2,477	-2,583			
20	Passenger fares .....	-150	-112	-131	-1,103	-1,197	-1,138			
21	Other transportation .....	-67	-40	-51	-1,796	-1,885	-2,019	-332	-358	-414
22	Royalties and license fees <sup>5</sup> .....	-17	-9	-9	-38	-38	-35	-545	-197	-197
23	Other private services <sup>5</sup> .....	-205	-214	-225	-1,721	-1,795	-1,864	-177	-175	-175
24	U.S. Government miscellaneous services .....	-12	-12	-12	-202	-202	-202			
25	Income payments on foreign assets in the United States .....	-457	-449	-456	-6,804	-7,117	-7,024	-1,694	-1,827	-1,766
26	Direct investment payments .....	-190	-213	-237	182	15	34	-902	-976	-996
27	Other private payments .....	-172	-160	-158	-2,653	-2,569	-2,579	-789	-838	-767
28	U.S. Government payments .....	-95	-76	-61	-4,333	-4,563	-4,479	-3	-13	-3
29	<b>Unilateral transfers, net</b> .....	<b>-40</b>	<b>-39</b>	<b>-36</b>	<b>-3,433</b>	<b>-2,940</b>	<b>-2,272</b>	<b>-2,139</b>	<b>-1,957</b>	
30	U.S. Government grants <sup>4</sup> .....				-1,338	-999	-1,410	-247	-223	-114
31	U.S. Government pensions and other transfers .....	-9	-9	-9	-122	-120	-122	-241	-137	-82
32	Private remittances and other transfers <sup>6</sup> .....	-31	-30	-27	-1,973	-1,821	-1,977	-1,784	-1,779	-1,761
33	<b>U.S. assets abroad, net (increase/capital outflow (-))</b> .....	<b>-1,431</b>	<b>-7,496</b>	<b>-1,003</b>	<b>4,618</b>	<b>489</b>	<b>3,797</b>	<b>-3,037</b>	<b>-3,481</b>	<b>-5,031</b>
34	U.S. official reserve assets, net <sup>7</sup> .....							-267	-959	-1,890
35	Gold .....									
36	Special drawing rights .....							-182	72	188
37	Reserve position in the International Monetary Fund .....							-85	-1,031	-2,078
38	Foreign currencies .....									
39	U.S. Government assets, other than official reserve assets, net .....	-1	-1		-374	-322	167	-286	-317	-291
40	U.S. credits and other long-term assets .....				-391	-635	-205	-286	-317	-291
41	Repayments on U.S. credits and other long-term assets <sup>8</sup> .....				410	275	365			
42	U.S. foreign currency holdings and U.S. short-term assets, net .....	-1	-1		-393	38	7			
43	U.S. private assets, net .....	-1,430	-7,495	-1,003	4,992	811	3,630	-2,484	-2,205	-2,850
44	Direct investment .....	-1,316	-4,743	-244	-2,178	-979	-2,087	-1,727	-2,302	-2,027
45	Foreign securities .....	-15	-1,348	-401	-3,778	-4,789	4,379	-125	158	119
46	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	128	129		-690	2,261		18	-15	1,388
47	U.S. claims reported by U.S. banks, not included elsewhere .....	-227	-1,533	-358	11,638	4,318	1,338	-650	-46	-2,330
48	<b>Foreign assets in the United States, net (increase/capital inflow (+))</b> .....	<b>-674</b>	<b>2,738</b>	<b>-3,025</b>	<b>19,974</b>	<b>-1,760</b>	<b>-12,581</b>	<b>7,754</b>	<b>114</b>	<b>10,514</b>
49	Foreign official assets in the United States, net .....	(18)	(18)	(18)	(18)	(18)	(18)			
50	U.S. Government securities .....	(18)	(18)	(18)	(18)	(18)	(18)			
51	U.S. Treasury securities <sup>9</sup> .....	(18)	(18)	(18)	(18)	(18)	(18)			
52	Other <sup>10</sup> .....	(18)	(18)	(18)	(18)	(18)	(18)			
53	Other U.S. Government liabilities <sup>11</sup> .....	-178	-179	-179	-167	-647	-270			
54	U.S. liabilities reported by U.S. banks, not included elsewhere .....	(18)	(18)	(18)	(18)	(18)	(18)			
55	Other foreign official assets <sup>12</sup> .....	(18)	(18)	(18)	(18)	(18)	(18)			
56	Other foreign assets in the United States, net .....		(18)	(18)	(18)	(18)	(18)	7,754	114	10,514
57	Direct investment .....	1,475	487	182	-2,116	706	138	811	838	851
58	U.S. Treasury securities .....	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	U.S. currency .....							746	2,349	7,277
60	U.S. securities other than U.S. Treasury securities .....	175	-325	6	3,217	655	-7,256	-74	215	-203
61	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	-159	1,623		1,563	59		57	73	3,029
62	U.S. liabilities reported by U.S. banks, not included elsewhere .....	18 -1,987	18 1,132	18 -3,034	18 17,477	18 -2,533	18 -5,193	18 6,214	18 -3,361	18 -440
63	<b>Allocations of special drawing rights</b> .....									
64	<b>Statistical discrepancy, and transfers of funds between foreign areas, net (sum of above items with sign reversed)</b> .....	<b>-1,112</b>	<b>1,617</b>	<b>883</b>	<b>1,070</b>	<b>31,876</b>	<b>48,051</b>	<b>-5,546</b>	<b>2,054</b>	<b>-7,173</b>
65	<b>Memoranda:</b> .....									
66	Balance on goods (lines 2 and 16) .....	1,847	1,424	1,618	-26,791	-30,875	-40,098			
67	Balance on services (lines 3 and 17) .....	584	803	739	5,527	4,500	5,525	449	752	746
68	Balance on goods and services (lines 65 and 66) .....	2,431	2,227	2,357	-21,264	-26,375	-34,573	449	752	746
69	Balance on investment income (lines 11 and 25) .....	826	953	824	-965	-1,290	-1,185	2,652	2,700	2,901
70	Balance on goods, services, and income (lines 1 and 15 or lines 67 and 68) <sup>13</sup> .....	3,257	3,180	3,181	-22,229	-27,665	-35,758	3,101	3,452	3,647
71	Unilateral transfers, net (line 29) .....	-40	-39	-36	-3,433	-2,940	-3,509	-2,272	-2,139	-1,957
70	Balance on current account (lines 1, 15, and 29 or lines 69 and 70) <sup>13</sup> .....	3,217	3,141	3,145	-25,662	-30,605	-39,267	829	1,313	1,690

14. The "European Union" includes the "European Union (6)," United Kingdom, Denmark, Ireland, Greece, Spain, and Portugal. Beginning with the first quarter of 1995, the "European Union" also includes Austria, Finland, and Sweden.

15. The "European Union (6)" includes Belgium, France, Germany (includes the former German Democratic Republic (East Germany) beginning in the fourth quarter of 1990), Italy, Luxembourg, Netherlands, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank.

16. Includes, as part of international and unallocated, the estimated direct investment in foreign affiliates engaged in international shipping, in operating oil and gas drilling equipment internationally, and in petroleum trading. Also

includes taxes withheld; current-cost adjustments associated with U.S. and foreign direct investment; small transactions in business services that are not reported by country; and net U.S. currency flows, for which geographic source data are not available.

17. Details not shown separately; see totals in lines 49 and 56.

18. Details not shown separately are included in line 62.

NOTE.—The data in tables F.2 and F.3 are from tables 1 and 10 in "U.S. International Transactions, Third Quarter 1998" in the January issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

Table F.4—Private Service Transactions

[Millions of dollars]

Line		1996	1997	Seasonally adjusted					
				1997			1998		
				II	III	IV	I	II <sup>r</sup>	III <sup>p</sup>
1	<b>Exports of private services</b> .....	<b>222,134</b>	<b>239,215</b>	<b>59,695</b>	<b>60,545</b>	<b>60,827</b>	<b>60,203</b>	<b>61,477</b>	<b>59,409</b>
2	Travel (table F.2, line 5) .....	69,751	73,268	18,542	18,325	18,204	17,967	18,141	16,728
3	Passenger fares (table F.2, line 6) .....	20,413	20,895	5,189	5,212	5,364	5,198	5,223	4,672
4	Other transportation (table F.2, line 7) .....	26,074	26,911	6,724	6,678	6,809	6,460	6,292	6,404
5	Freight .....	11,146	11,773	2,910	2,919	3,031	2,901	2,715	2,656
6	Port services .....	14,929	15,137	3,814	3,759	3,778	3,559	3,577	3,748
7	Royalties and license fees (table F.2, line 8) .....	32,823	33,676	8,407	8,580	8,381	8,675	8,908	8,543
8	Affiliated .....	24,710	25,515	6,373	6,543	6,330	6,600	6,803	6,405
9	U.S. parents' receipts .....	22,781	23,457	5,897	5,929	5,724	5,905	6,182	6,009
10	U.S. affiliates' receipts .....	1,929	2,058	476	614	606	695	621	396
11	Unaffiliated .....	8,113	8,161	2,034	2,037	2,051	2,075	2,105	2,138
12	Industrial processes <sup>1</sup> .....	3,488	3,272	819	812	809	811	815	820
13	Other <sup>2</sup> .....	4,625	4,889	1,215	1,225	1,242	1,264	1,290	1,318
14	Other private services (table F.2, line 9) .....	73,073	84,465	20,833	21,750	22,069	21,903	22,913	23,062
15	Affiliated services .....	23,779	26,336	6,579	6,791	6,717	6,644	6,876	6,923
16	U.S. parents' receipts .....	14,772	16,164	4,045	4,128	4,198	4,101	4,201	4,245
17	U.S. affiliates' receipts .....	9,007	10,172	2,534	2,663	2,519	2,543	2,675	2,678
18	Unaffiliated services .....	49,295	58,128	14,254	14,959	15,352	15,259	16,037	16,139
19	Education .....	7,888	8,278	2,052	2,108	2,105	2,100	2,096	2,155
20	Financial services .....	8,382	11,064	2,598	2,914	3,157	2,891	3,617	3,580
21	Insurance, net .....	1,971	2,391	592	605	616	629	642	656
22	Premiums received .....	5,978	5,952	1,485	1,483	1,491	1,508	1,531	1,557
23	Losses paid .....	4,007	3,561	892	875	880	880	890	902
24	Telecommunications .....	3,270	3,771	938	956	987	969	940	914
25	Business, professional, and technical services .....	17,599	21,304	5,293	5,500	5,564	5,669	5,755	5,790
26	Other unaffiliated services <sup>3</sup> .....	10,185	11,321	2,780	2,876	2,923	3,001	2,987	3,044
27	<b>Imports of private services</b> .....	<b>142,261</b>	<b>156,236</b>	<b>38,817</b>	<b>39,769</b>	<b>40,039</b>	<b>40,530</b>	<b>41,439</b>	<b>41,392</b>
28	Travel (table F.2, line 19) .....	48,048	51,220	12,764	12,897	12,823	13,309	13,465	13,008
29	Passenger fares (table F.2, line 20) .....	15,818	18,235	4,663	4,704	4,557	4,650	4,757	4,588
30	Other transportation (table F.2, line 21) .....	27,403	28,949	7,317	7,200	7,397	7,250	7,430	7,623
31	Freight .....	16,539	17,644	4,581	4,408	4,454	4,461	4,730	4,978
32	Port services .....	10,864	11,305	2,736	2,792	2,943	2,789	2,700	2,645
33	Royalties and license fees (table F.2, line 22) .....	7,854	9,411	2,168	2,559	2,578	2,850	2,759	2,670
34	Affiliated .....	5,506	7,087	1,600	1,941	1,980	1,877	2,154	2,032
35	U.S. parents' payments .....	766	955	220	235	284	247	182	196
36	U.S. affiliates' payments .....	4,740	6,132	1,380	1,706	1,696	1,630	1,972	1,836
37	Unaffiliated .....	2,347	2,324	568	618	598	973	605	638
38	Industrial processes <sup>1</sup> .....	1,233	1,265	315	313	317	324	335	347
39	Other <sup>2</sup> .....	1,115	1,060	253	305	282	649	270	292
40	Other private services (table F.2, line 23) .....	43,138	48,421	11,905	12,409	12,684	12,471	13,028	13,523
41	Affiliated services .....	16,668	18,324	4,473	4,635	4,801	4,419	4,825	5,254
42	U.S. parents' payments .....	8,089	9,407	2,355	2,427	2,445	2,324	2,494	2,640
43	U.S. affiliates' payments .....	8,579	8,917	2,118	2,208	2,356	2,095	2,331	2,614
44	Unaffiliated services .....	26,469	30,098	7,432	7,774	7,883	8,052	8,203	8,269
45	Education .....	1,247	1,347	333	346	349	348	364	377
46	Financial services .....	2,995	3,906	1,002	1,093	965	999	1,069	1,051
47	Insurance, net .....	3,773	5,208	1,261	1,381	1,452	1,477	1,471	1,451
48	Premiums paid .....	14,652	15,036	3,735	3,787	3,832	3,869	3,900	3,928
49	Losses recovered .....	10,879	9,828	2,474	2,406	2,380	2,392	2,429	2,477
50	Telecommunications .....	8,304	8,113	1,999	2,028	2,080	2,121	2,103	2,088
51	Business, professional, and technical services .....	5,550	6,571	1,615	1,676	1,737	1,832	1,905	1,973
52	Other unaffiliated services <sup>3</sup> .....	4,600	4,952	1,221	1,251	1,299	1,275	1,291	1,329
	<b>Memoranda:</b>								
53	Balance on goods (table F.2, line 65) .....	-191,337	-197,954	-49,096	-49,296	-49,839	-55,698	-64,443	-64,360
54	Balance on private services (line 1 minus line 27) .....	79,873	82,979	20,878	20,776	20,788	19,673	20,038	18,017
55	Balance on goods and private services (lines 53 and 54) .....	-111,464	-114,975	-28,218	-28,520	-29,051	-36,025	-44,405	-46,343

<sup>p</sup> Preliminary.<sup>r</sup> Revised.

1. Patented techniques, processes, and formulas and other intangible property rights that are used in goods production.

2. Copyrights, trademarks, franchises, rights to broadcast live events, and other intangible property rights.

3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign govern-

ments and international organizations in the United States. Payments (imports) include mainly wages of foreign residents temporarily employed in the United States and Canadian and Mexican commuters in U.S. border areas.

NOTE.—The data in table F.4 are from table 3 in "U.S. International Transactions, Third Quarter 1998" in the January issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

## G. Investment Tables

Table G.1.—International Investment Position of the United States at Yearend, 1996 and 1997

[Millions of dollars]

Line	Type of investment	Position 1996 <sup>r</sup>	Changes in position in 1997 (decrease (-))				Total (a+b+c+d)	Position 1997 <sup>p</sup>
			Attributable to:					
			Capital flows	Valuation adjustments				
				Price changes	Exchange rate changes <sup>1</sup>	Other changes <sup>2</sup>		
(a)	(b)	(c)	(d)	(a+b+c+d)				
1	<b>Net international investment position of the United States:</b>							
2	<b>With direct investment positions at current cost (line 3 less line 24)</b>	-767,076	-254,939	-51,669	-127,725	-22,159	-456,492	-1,223,568
2	<b>With direct investment positions at market value (line 4 less line 25)</b>	-743,656	-254,939	-116,094	-197,805	-9,961	-578,799	-1,322,455
	<b>U.S. assets abroad:</b>							
3	<b>With direct investment positions at current cost (lines 5+10+15) ...</b>	3,767,018	478,502	175,135	-155,352	-27,992	470,293	4,237,311
4	<b>With direct investment positions at market value (lines 5+10+16) ...</b>	4,347,148	478,502	416,045	-224,102	-10,474	659,971	5,007,119
5	U.S. official reserve assets .....	160,739	1,010	-20,762	-6,144	-7	-25,903	134,836
6	Gold .....	96,698		<sup>3</sup> -20,762		<sup>4</sup> -7	-20,769	75,929
7	Special drawing rights .....	10,312	350		-635		-285	10,027
8	Reserve position in the International Monetary Fund .....	15,435	3,575		-939		2,636	18,071
9	Foreign currencies .....	38,294	-2,915		-4,570		-7,485	30,809
10	U.S. Government assets, other than official reserve assets .....	81,677	-174		-17	-3	-194	81,483
11	U.S. credits and other long-term assets <sup>5</sup> .....	79,786	-202		-8	-3	-213	79,573
12	Repayable in dollars .....	79,114	-168			-4	-172	78,942
13	Other <sup>6</sup> .....	672	-34		-8	1	-41	631
14	U.S. foreign currency holdings and U.S. short-term assets .....	1,891	28		-9		19	1,910
	U.S. private assets:							
15	With direct investment at current cost (lines 17+19+22+23) .....	3,524,602	477,666	195,897	-149,191	-27,982	496,390	4,020,992
16	With direct investment at market value (lines 18+19+22+23) .....	4,104,732	477,666	436,807	-217,941	-10,464	686,068	4,790,800
	Direct investment abroad:							
17	At current cost .....	936,954	121,843	9,325	-28,998	-15,252	86,918	1,023,872
18	At market value .....	1,517,084	121,843	250,235	-97,748	2,266	276,596	1,793,680
19	Foreign securities .....	1,280,159	87,981	186,572	-108,411		166,142	1,446,301
20	Bonds .....	403,373	46,723	8,671	-13,718		41,676	445,049
21	Corporate stocks .....	876,786	41,258	177,901	-94,693		124,466	1,001,252
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	449,978	120,403		-7,724	-261	112,418	562,396
23	U.S. claims reported by U.S. banks, not included elsewhere .....	857,511	147,439		-4,058	-12,469	130,912	988,423
	<b>Foreign assets in the United States:</b>							
24	<b>With direct investment at current cost (lines 26+33) .....</b>	4,534,094	733,441	226,804	-27,627	-5,833	926,785	5,460,879
25	<b>With direct investment at market value (lines 26+34) .....</b>	5,090,804	733,441	532,139	-26,297	-513	1,238,770	6,329,574
26	Foreign official assets in the United States .....	801,062	15,817	16,968		54	32,839	833,901
27	U.S. Government securities .....	612,656	-2,936	4,615		55	1,734	614,390
28	U.S. Treasury securities .....	592,891	-7,270	4,174		55	-3,041	589,850
29	Other .....	19,765	4,334	441			4,775	24,540
30	Other U.S. Government liabilities <sup>7</sup> .....	23,099	-2,521			-1	-2,522	20,577
31	U.S. liabilities reported by U.S. banks, not included elsewhere .....	113,098	21,928				21,928	135,026
32	Other foreign official assets .....	52,209	-654	12,353			11,699	63,908
	Other foreign assets:							
33	With direct investment at current cost (lines 35+37+38+39+42+43) ...	3,733,032	717,624	209,836	-27,627	-5,887	893,946	4,626,978
34	With direct investment at market value (lines 36+37+38+39+42+43) ...	4,289,742	717,624	515,171	-26,297	-567	1,205,931	5,495,673
	Direct investment in the United States:							
35	At current cost .....	666,962	93,449	-2,680	-1,330	-4,556	84,883	751,845
36	At market value .....	1,223,672	93,449	302,655		764	396,868	1,620,540
37	U.S. Treasury securities .....	504,792	146,710	10,459			157,169	661,961
38	U.S. currency .....	186,843	24,782				24,782	211,625
39	U.S. securities other than U.S. Treasury securities .....	1,199,460	196,845	202,057	-20,378		378,524	1,577,984
40	Corporate and other bonds .....	588,043	130,879	19,532	-20,378		130,033	718,076
41	Corporate stocks .....	611,417	65,966	182,525			248,491	859,908
42	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	346,727	107,779		380	-1,331	106,828	453,555
43	U.S. liabilities reported by U.S. banks, not included elsewhere .....	828,248	148,059		-6,299		141,760	970,008

<sup>p</sup> Preliminary.<sup>r</sup> Revised.

1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.

2. Includes changes in coverage, statistical discrepancies, and other adjustments to the value of assets.

3. Reflects changes in the value of the official gold stock due to fluctuations in the market price of gold.

4. Reflects changes in gold stock from U.S. Treasury sales of gold medallions and commemorative and bullion coins; also reflects replenishment through open market purchases. These demonetizations/monetizations are not included in international transactions capital flows.

5. Also includes paid-in capital subscriptions to international financial institutions and outstanding amounts of miscellaneous claims that have been settled through international agreements to be payable to the U.S. Government over periods in excess of 1 year. Excludes World War I debts that are not being serviced.

6. Includes indebtedness that the borrower may contractually, or at its option, repay with its currency, with a third country's currency, or by delivery of materials or transfer of services.

7. Primarily U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies.

NOTE.—The data in this table are from table 1 in "International Investment Position of the United States in 1997" in the July 1998 issue of the SURVEY.

Table G.2.—U.S. Direct Investment Abroad: Selected Items, by Country and by Industry of Foreign Affiliate, 1995–97

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital outflows (inflows (-))			Income		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
<b>All countries, all industries</b> .....	<b>699,015</b>	<b>777,203</b>	<b>860,723</b>	<b>92,074</b>	<b>74,833</b>	<b>114,537</b>	<b>87,346</b>	<b>92,105</b>	<b>100,703</b>
<b>By country</b>									
Canada .....	83,498	91,301	99,859	8,602	7,260	10,734	8,799	9,024	10,692
Europe .....	344,596	382,366	420,934	52,275	35,992	60,558	40,853	43,179	47,869
<i>Of which:</i>									
France .....	33,358	33,746	34,615	5,196	4,750	3,166	2,707	3,389	2,637
Germany .....	44,242	44,651	43,931	3,349	1,467	3,002	4,215	3,842	4,117
Netherlands .....	42,113	54,437	64,648	9,386	6,914	14,329	7,456	8,667	10,240
United Kingdom .....	106,332	122,692	138,765	13,830	12,080	22,435	10,921	12,016	12,898
Latin America and Other Western Hemisphere .....	131,377	147,535	172,481	16,040	16,081	23,784	16,210	17,810	19,992
<i>Of which:</i>									
Brazil .....	25,002	28,699	35,727	6,954	3,812	6,545	3,759	4,104	4,551
Mexico .....	16,873	19,900	25,395	2,983	2,713	5,933	1,585	2,862	3,969
Africa .....	6,017	6,832	10,253	352	739	3,790	1,797	1,797	1,887
Middle East .....	7,198	7,793	8,959	879	538	1,111	1,373	1,411	1,562
Asia and Pacific .....	122,711	136,481	142,704	14,342	12,190	13,815	18,146	18,562	18,325
<i>Of which:</i>									
Australia .....	24,328	28,409	26,125	5,537	3,071	1,101	2,769	2,846	3,288
Japan .....	37,309	35,684	35,569	2,336	-326	781	4,091	3,414	3,198
International .....	3,618	4,896	5,533	-416	2,034	746	167	322	376
<b>By industry</b>									
Petroleum .....	68,639	74,499	85,726	675	5,058	11,455	9,036	11,692	12,114
Manufacturing .....	243,954	272,244	288,290	44,472	25,149	32,280	34,325	34,365	37,532
Food and kindred products .....	28,896	32,998	38,380	3,718	2,700	6,325	4,480	4,826	5,116
Chemicals and allied products .....	61,374	72,209	73,487	16,924	5,657	8,026	8,614	9,525	9,415
Primary and fabricated metals .....	11,555	14,178	14,732	1,570	5,283	1,054	1,380	1,353	1,535
Industrial machinery and equipment .....	29,626	31,597	33,563	4,408	2,565	4,529	4,251	4,555	5,083
Electronic and other electric equipment .....	27,514	31,623	33,833	7,060	3,883	3,930	4,466	4,217	4,861
Transportation equipment .....	34,076	33,839	36,439	5,888	561	3,846	3,709	3,182	4,842
Other manufacturing .....	50,913	55,801	57,855	4,903	4,500	4,570	7,425	6,707	6,679
Wholesale trade .....	68,102	69,638	69,080	8,880	5,701	3,403	9,118	8,488	9,041
Depository institutions .....	29,181	33,673	34,359	1,032	1,488	2,935	3,242	3,083	2,953
Finance (except depository institutions), insurance, and real estate .....	218,313	240,972	280,920	22,001	23,035	45,410	24,589	27,817	29,815
Services .....	29,721	35,793	40,874	4,014	3,343	5,464	4,136	3,588	5,258
Other industries .....	41,105	50,384	61,475	11,000	11,061	13,591	2,902	3,072	3,991

NOTE.—In this table, unlike in the international transactions accounts, income and capital outflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 17 and 18 in "U.S. Direct Investment Abroad: Detail for Historical-Cost Position and Related Capital and Income Flows, 1997" in the October 1998 issue of the SURVEY.

**Table G.3.—Selected Financial and Operating Data for Nonbank Foreign Affiliates of U.S. Companies, by Country and by Industry of Affiliate, 1996**

	Number of affiliates	Millions of dollars			Thousands of employees
		Total assets	Sales	Net income	
<b>All countries, all industries</b> .....	<b>21,901</b>	<b>3,075,516</b>	<b>2,227,014</b>	<b>135,108</b>	<b>7,616.5</b>
<b>By country</b>					
Canada .....	2,027	276,622	253,783	10,866	921.8
Europe .....	10,745	1,751,550	1,178,077	68,478	3,194.2
<i>Of which:</i>					
France .....	1,257	141,315	134,816	4,549	451.5
Germany .....	1,374	222,802	244,658	7,766	607.9
Italy .....	761	60,524	72,170	2,049	186.1
Netherlands .....	1,051	161,889	122,760	13,823	160.8
Switzerland .....	520	81,964	61,964	7,336	52.4
United Kingdom .....	2,447	813,742	310,685	14,998	976.4
Latin America and Other Western Hemisphere .....	3,366	370,529	223,869	24,112	1,529.2
<i>Of which:</i>					
Brazil .....	417	60,037	56,026	4,101	318.2
Mexico .....	847	67,437	71,739	7,021	733.9
Africa .....	522	28,979	23,170	2,475	122.0
Middle East .....	346	34,991	23,667	3,309	79.1
Asia and Pacific .....	4,791	592,420	517,020	24,869	1,756.9
<i>Of which:</i>					
Australia .....	878	94,457	70,036	3,322	275.1
Japan .....	1,005	248,312	204,364	5,684	405.4
International .....	104	20,424	7,427	999	13.2
<b>By industry</b>					
Petroleum .....	1,575	295,592	380,364	18,166	236.0
Manufacturing .....	8,162	846,555	1,041,357	54,026	4,477.9
Food and kindred products .....	778	111,189	121,167	6,973	557.1
Chemicals and allied products .....	1,990	204,573	199,326	16,417	611.1
Primary and fabricated metals .....	733	42,238	43,005	1,594	244.7
Industrial machinery and equipment .....	1,012	110,215	167,313	6,782	527.2
Electronic and other electric equipment .....	859	77,154	99,884	5,841	838.5
Transportation equipment .....	526	133,225	233,763	4,970	707.5
Other manufacturing .....	2,264	167,960	176,900	11,449	991.9
Wholesale trade .....	4,976	210,485	393,052	14,229	563.3
Finance (except depository institutions), insurance, and real estate .....	2,940	1,333,484	117,435	35,223	196.2
Services .....	2,676	131,702	115,569	4,950	829.1
Other industries .....	1,572	257,698	179,235	8,514	1,314.0

NOTE.—The data in this table are from "U.S. Multinational Companies: Operations in 1996" in the September 1998 issue of the SURVEY.

**Table G.4.—Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of Affiliate, 1995–97**

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital inflows (outflows (-))			Income		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
<b>All countries, all industries</b> .....	<b>535,553</b>	<b>594,088</b>	<b>681,651</b>	<b>58,772</b>	<b>76,453</b>	<b>90,748</b>	<b>30,931</b>	<b>31,970</b>	<b>42,502</b>
<b>By country</b>									
Canada .....	45,618	54,799	64,022	4,824	8,235	9,411	3,658	3,295	3,215
Europe .....	332,374	368,322	425,220	39,686	51,672	60,021	21,745	24,759	31,245
<i>Of which:</i>									
France .....	36,167	41,132	47,088	2,725	5,983	8,728	1,729	2,570	3,037
Germany .....	46,017	59,863	69,701	7,908	18,995	10,712	1,642	2,283	3,003
Netherlands .....	65,116	74,320	84,862	-1,526	11,487	10,274	5,003	6,592	7,175
United Kingdom .....	116,272	121,288	129,551	16,255	11,000	8,582	10,630	9,593	11,700
Latin America and Other Western Hemisphere .....	27,873	29,180	35,701	2,886	3,266	5,921	1,206	1,566	2,003
<i>Of which:</i>									
Brazil .....	750	689	698	116	-60	48	91	48	44
Mexico .....	1,850	1,436	1,723	-263	38	145	23	28	180
Africa .....	1,113	645	1,608	-117	-460	942	31	-118	-105
Middle East .....	5,801	5,977	6,882	-360	538	866	140	166	607
Asia and Pacific .....	122,774	135,166	148,218	11,854	13,202	13,587	4,152	2,303	5,537
<i>Of which:</i>									
Australia .....	10,356	13,877	16,229	2,003	3,739	2,557	435	362	61
Japan .....	104,997	114,534	123,514	8,118	10,214	9,430	3,611	3,159	6,363
<b>By industry</b>									
Petroleum .....	34,907	43,770	47,679	3,863	8,842	4,462	3,274	4,369	4,721
Manufacturing .....	214,504	242,320	267,070	28,739	34,500	36,228	15,431	16,220	19,172
Food and kindred products .....	27,032	27,897	27,473	5,652	1,829	-133	1,736	1,983	1,838
Chemicals and allied products .....	72,125	76,708	88,767	11,771	6,692	14,494	5,806	5,159	6,125
Primary and fabricated metals .....	14,193	17,364	20,454	403	4,968	2,235	1,245	1,046	1,487
Machinery .....	37,098	39,114	46,027	3,516	2,429	7,400	2,209	1,207	2,836
Other manufacturing .....	64,056	81,238	84,349	7,398	18,583	12,233	4,435	6,824	6,886
Wholesale trade .....	66,871	75,115	87,564	6,556	8,247	11,275	3,847	2,448	3,617
Retail trade .....	12,533	13,733	16,093	1,336	2,506	1,320	538	513	669
Depository institutions .....	33,883	32,161	37,099	6,879	555	5,840	4,578	2,883	3,489
Finance, except depository institutions .....	34,803	37,658	42,526	4,009	4,443	5,078	472	1,182	2,108
Insurance .....	50,647	54,715	69,092	3,807	7,409	11,090	1,837	2,794	5,050
Real estate .....	30,170	33,179	34,118	-639	541	658	-609	-69	511
Services .....	32,058	32,358	45,604	1,551	3,838	7,164	-132	404	974
Other industries .....	25,176	29,080	34,806	2,672	5,572	7,632	1,695	1,225	2,191

NOTE.—In this table, unlike in the international transactions accounts, income and capital inflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "Foreign Direct Investment in the United States: Detail for Historical-Cost Position and Related Capital and Income Flows, 1997" in the September 1998 issue of the Survey.



**Table G.5.—Selected Financial and Operating Data of Nonbank U.S. Affiliates of Foreign Companies, by Country of Ultimate Beneficial Owner and by Industry of Affiliate, 1996**

	Number of affiliates	Millions of dollars				Thousands of employees	Millions of dollars	
		Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates
<b>All countries, all industries</b> .....	<b>12,626</b>	<b>2,613,985</b>	<b>1,596,022</b>	<b>21,110</b>	<b>339,485</b>	<b>4,977.5</b>	<b>136,588</b>	<b>252,990</b>
<b>By country</b>								
Canada .....	1,289	263,862	121,650	5,035	30,026	618.6	5,658	14,123
Europe .....	5,411	1,507,678	881,931	15,885	218,174	3,103.9	63,104	86,533
<i>Of which:</i>								
France .....	667	274,775	127,434	3,120	32,584	411.8	18,386	12,888
Germany .....	1,328	249,891	168,151	3,096	40,467	610.2	13,493	28,304
Netherlands .....	397	180,292	111,395	2,785	29,299	378.8	4,468	8,969
Switzerland .....	623	275,890	96,026	310	19,461	306.2	6,457	7,550
United Kingdom .....	1,203	413,966	277,026	5,890	73,960	972.6	12,354	13,267
Latin America and Other Western Hemisphere .....	1,088	57,482	53,767	147	12,699	155.4	5,725	10,621
<i>Of which:</i>								
Brazil .....	78	10,652	4,462	160	283	4.5	1,192	1,241
Mexico .....	275	8,454	7,982	-643	1,439	35.8	688	2,248
Africa .....	74	11,708	10,605	733	2,555	22.7	522	560
Middle East .....	430	26,501	21,024	-258	5,292	61.8	607	5,481
Asia and Pacific .....	4,249	635,683	487,580	-3,370	65,469	972.9	60,077	134,416
<i>Of which:</i>								
Australia .....	171	44,617	23,013	243	5,539	77.4	1,268	1,375
Japan .....	3,240	549,408	418,320	-2,271	54,560	776.4	52,555	117,433
United States .....	85	111,071	19,466	2,938	5,270	42.2	894	1,255
<b>By industry</b>								
Petroleum .....	236	114,735	152,832	5,586	32,733	111.8	9,984	21,080
Manufacturing .....	2,950	578,886	552,023	7,153	156,354	2,213.6	58,821	78,531
Food and kindred products .....	257	58,624	49,562	3,591	11,783	205.4	2,848	3,379
Chemicals and allied products .....	338	180,996	134,451	549	42,095	409.8	15,656	14,254
Primary and fabricated metals .....	407	60,804	62,902	1,010	16,079	233.3	4,066	7,390
Machinery .....	736	95,234	124,066	-737	31,863	536.8	20,575	28,733
Other manufacturing .....	1,212	183,228	181,042	2,738	54,534	828.4	15,677	24,776
Wholesale trade .....	2,230	233,829	466,700	2,839	41,973	488.6	62,792	147,958
Retail trade .....	352	50,063	94,028	377	24,544	821.0	1,507	3,408
Finance, except depository institutions .....	907	705,181	58,230	64	6,001	49.3	15	21
Insurance .....	161	575,947	89,625	5,306	10,658	152.0	0	0
Real estate .....	3,507	100,549	13,903	-1,718	4,984	27.1	7	1
Services .....	1,283	105,297	56,247	-3,402	21,840	633.8	738	1,173
Other industries .....	1,000	149,497	112,434	4,907	40,398	480.3	2,725	818

<sup>D</sup> Suppressed to avoid disclosure of data of individual companies.

NOTE.—The data in this table are from "Foreign Direct Investment in the United States: New Investment in 1997 and Affiliate Operations in 1996" in the June 1998 issue of the SURVEY.

## H. International Perspectives

Quarterly data in this table are shown in the middle month of the quarter.

Table H.1.—International Perspectives

	1996	1997	1997			1998										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Exchange rates per U.S. dollar (not seasonally adjusted)																
Canada (Can./US\$) .....	1.3638	1.3849	1.3869	1.4128	1.4271	1.4409	1.4334	1.4166	1.4298	1.4452	1.4655	1.4869	1.5346	1.5218	1.5452	1.5404
France (FFr/US\$) .....	5.1158	5.8393	5.8954	5.8001	5.9542	6.0832	6.0744	6.1257	6.0782	5.9528	6.0118	6.0280	5.9912	5.6969	5.4925	5.6422
Germany (DM/US\$) .....	1.5049	1.7348	1.7575	1.7323	1.7788	1.8165	1.8123	1.8272	1.8132	1.7753	1.7928	1.7976	1.7869	1.6990	1.6381	1.6827
Italy (L/US\$) .....	15.4276	17.0381	17.2109	16.9708	17.4386	17.8787	17.8828	17.9907	17.9124	17.5079	17.6632	17.7242	17.6301	16.7892	16.2096	16.6491
Japan (¥/US\$) .....	1.0878	1.2106	1.2106	1.2538	1.2973	1.2955	1.2585	1.2908	1.3175	1.3490	1.4033	1.4079	1.4468	1.3448	1.2105	1.2029
Mexico (Peso/US\$) .....	7.6004	7.9177	7.8708	8.2716	8.1271	8.2272	8.5021	8.5681	8.5017	8.5848	8.9200	8.8990	9.3712	10.2192	10.1594	9.9680
United Kingdom (US\$/£) .....	1.5607	1.6376	1.6330	1.6889	1.6597	1.6350	1.6408	1.6619	1.6723	1.6382	1.6504	1.6437	1.6342	1.6823	1.6944	1.6611
Addendum: Exchange value of the U.S. dollar <sup>1</sup> ...	87.34	96.38	97.07	96.37	98.82	100.52	99.93	100.47	100.30	99.61	100.90	101.38	101.80	97.17	93.69	95.46
Unemployment rates (percent, monthly data seasonally adjusted)																
Canada .....	9.7	9.2	9.1	9.0	8.6	8.9	8.6	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.1	8.0
France .....	12.3	12.5	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.9	11.8	11.8	11.8	11.7	11.6	11.5
Germany .....	10.4	11.5	11.8	11.8	11.8	11.5	11.5	11.5	11.3	11.2	11.0	10.9	10.8	10.7	10.6	10.6
Italy .....	12.1	12.3	.....	12.2	.....	.....	12.0	.....	.....	12.4	.....	.....	12.4	.....	.....	.....
Japan .....	3.4	3.4	3.5	3.5	3.5	3.5	3.6	3.9	4.1	4.1	4.3	4.1	4.3	4.3	4.3	4.4
Mexico .....	5.5	3.7	3.2	3.5	3.4	3.5	3.4	3.3	3.3	3.2	3.4	3.0	3.0	3.1	3.1	2.8
United Kingdom .....	7.3	5.5	5.1	5.0	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.6	4.6
Addendum: United States .....	5.4	4.9	4.7	4.6	4.7	4.6	4.6	4.7	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4
Consumer prices (monthly data seasonally adjusted, 1990=100)																
Canada .....	113.5	115.3	115.7	115.5	115.4	116.0	116.1	116.2	116.1	116.5	116.7	116.7	116.7	116.4	116.9	116.9
France .....	113.8	115.2	115.5	115.7	115.7	115.3	115.7	115.9	116.2	116.3	116.4	115.9	116.1	116.1	116.0	116.0
Germany (1991=100) .....	116.5	118.6	118.9	118.9	119.1	119.1	119.4	119.2	119.5	119.9	120.0	120.3	120.2	119.9	119.7	119.7
Italy .....	132.8	135.2	135.7	136.1	136.1	136.5	136.9	136.9	137.1	137.4	137.5	137.5	137.7	137.8	138.0	138.2
Japan .....	107.1	109.0	109.9	109.7	109.6	109.6	109.7	109.9	109.6	109.6	109.5	109.2	109.1	109.5	110.1	110.5
Mexico .....	301.7	364.0	376.2	380.4	385.7	394.1	401.0	405.7	409.5	412.7	417.6	421.7	425.6	432.6	438.8	446.6
United Kingdom .....	121.1	124.9	126.5	126.5	126.9	126.5	127.1	127.5	128.9	129.6	129.6	129.2	129.8	130.3	130.4	130.3
Addendum: United States .....	120.0	122.9	123.7	123.8	123.9	123.9	124.0	124.0	124.3	124.7	124.8	125.0	125.2	125.2	125.5	125.7
Real gross domestic product (percent change from preceding quarter, quarterly data seasonally adjusted at annual rates)																
Canada .....	1.2	3.8	.....	2.8	.....	.....	3.1	.....	.....	1.4	.....	.....	1.8	.....	.....	.....
France .....	1.6	2.3	.....	3.2	.....	.....	2.8	.....	.....	3.4	.....	.....	2.0	.....	.....	.....
Germany .....	1.3	2.3	.....	1.3	.....	.....	5.9	.....	.....	2	.....	.....	3.5	.....	.....	.....
Italy .....	.7	1.5	.....	1.1	.....	.....	-6	.....	.....	2.3	.....	.....	2.0	.....	.....	.....
Japan .....	5.1	1.4	.....	-3.7	.....	.....	-4.8	.....	.....	-2.9	.....	.....	-2.6	.....	.....	.....
Mexico .....	5.2	7.0	.....	-1.7	.....	.....	6.2	.....	.....	7.8	.....	.....	8.1	.....	.....	.....
United Kingdom .....	2.6	3.5	.....	2.9	.....	.....	3.1	.....	.....	1.9	.....	.....	1.5	.....	.....	.....
Addendum: United States .....	3.4	3.9	.....	3.0	.....	.....	5.5	.....	.....	1.8	.....	.....	3.7	.....	.....	5.6

See footnotes at the end of the table.

Table H.1.—International Perspectives—Continued

	1996	1997	1997			1998										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Short-term, 3-month, interest rates (percent, not seasonally adjusted)																
Canada .....	4.43	3.53	3.76	3.99	4.58	4.62	4.96	4.85	4.88	5.00	5.00	5.02	5.15	5.59	5.27	5.13
France .....	3.94	3.46	3.59	3.69	3.69	3.62	3.57	3.57	3.63	3.61	3.57	3.56	3.56	3.54	3.56	3.59
Germany .....	3.31	3.33	3.58	3.74	3.74	3.57	3.51	3.52	3.63	3.63	3.56	3.54	3.50	3.49	3.57	3.63
Italy .....	8.82	6.88	6.65	6.49	6.08	6.09	6.13	5.62	5.23	5.11	5.12	4.88	4.89	4.97	4.53	3.97
Japan .....	.59	.60	.53	.55	.89	.95	1.10	.81	.70	.59	.58	.74	.73	.55	.61	.63
Mexico .....	32.91	21.26	19.91	22.01	19.88	19.37	19.63	20.76	19.47	18.85	20.99	22.04	25.54	42.54	38.10	34.36
United Kingdom .....	6.02	6.83	7.25	7.54	7.62	7.48	7.45	7.48	7.44	7.41	7.62	7.70	7.66	7.37	7.13	6.88
Addendum:																
United States .....	5.02	5.07	4.95	5.15	5.16	5.09	5.11	5.03	5.00	5.03	4.99	4.96	4.94	4.74	4.08	4.44
Long-term interest rates, government bond yields (percent, not seasonally adjusted)																
Canada .....	7.54	6.47	5.94	5.76	5.85	5.58	5.60	5.64	5.50	5.52	5.45	5.46	5.65	5.39	5.17	5.39
France .....	6.51	5.67	5.80	5.66	5.45	5.26	5.11	5.04	5.12	5.05	4.95	4.91	4.61	4.39	4.51	4.43
Germany .....	6.20	5.70	5.60	5.60	5.30	5.10	5.00	4.90	4.90	5.00	4.80	4.70	4.40	4.10	4.10	4.10
Italy .....	9.40	6.86	6.20	6.13	5.74	5.43	5.38	5.20	5.15	5.21	5.08	4.97	4.79	4.53	4.49	4.38
Japan .....	3.10	2.37	1.99	1.94	1.94	1.95	2.00	1.86	1.87	1.66	1.54	1.68	1.50	1.10	.89	.98
United Kingdom .....	7.82	7.04	6.50	6.61	6.36	6.08	6.03	5.95	5.79	5.83	5.73	5.75	5.54	5.12	5.00	4.91
Addendum:																
United States .....	6.44	6.35	6.03	5.88	5.81	5.54	5.57	5.65	5.64	5.65	5.50	5.46	5.34	4.81	4.53	4.83
Share price indices (not seasonally adjusted, 1990=100)																
Canada .....	154	189	200	190	196	196	207	221	224	222	215	203	162	164	181	185
France .....	118	152	159	151	157	163	175	195	208	216	223	228	211	189	177	197
Germany .....	116	158	171	161	171	177	188	201	214	219	227	237	215	191	175	193
Italy .....	96	131	149	145	154	175	189	214	238	232	225	239	224	191	180	204
Japan .....	74	64	62	57	55	56	58	58	56	56	55	58	54	50	47	51
Mexico .....	555	779	815	873	917	801	839	880	894	795	751	745	525	501	592	661
United Kingdom .....	167	189	203	194	200	205	216	226	232	237	236	238	222	207	201	219
Addendum:																
United States .....	195	249	272	268	275	275	290	306	315	313	311	320	294	276	279	308

1. Index of weighted average exchange value of U.S. dollar against currencies of other G-10 countries. March 1973=100. Weights are 1972-76 global trade of each of the 10 countries. Series revised as of August 1978. For description and back data, see "Index of the weighted-average exchange value of the U.S. dollar: Revision" on page 700 of the August 1978 *Federal Reserve Bulletin*.

NOTE.—All exchange rates are from the Board of Governors of the Federal Reserve System. U.S. interest rates, unemployment rates, and GDP growth rates are from the Federal Reserve, the Bureau of Labor Statistics, and BEA, respectively. All other data (including U.S. consumer prices and U.S. share prices, both of which have been rebased to 1990 to facilitate comparison) are © OECD, January 1999, *OECD Main Economic Indicators* and are reproduced with permission of the OECD.

I. Charts

THE U.S. IN THE INTERNATIONAL ECONOMY

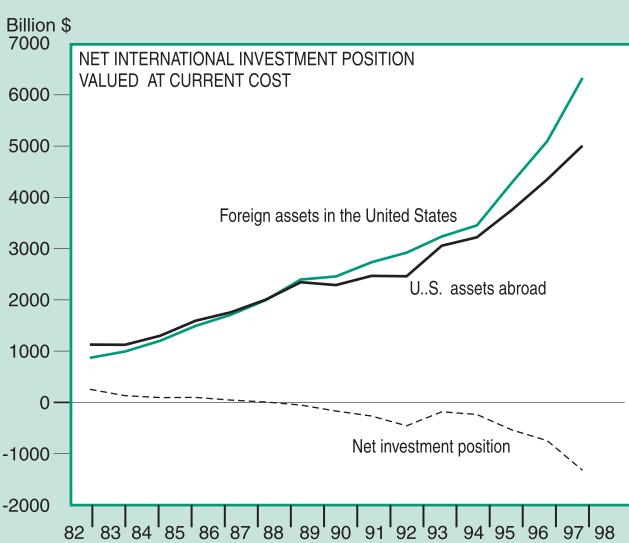
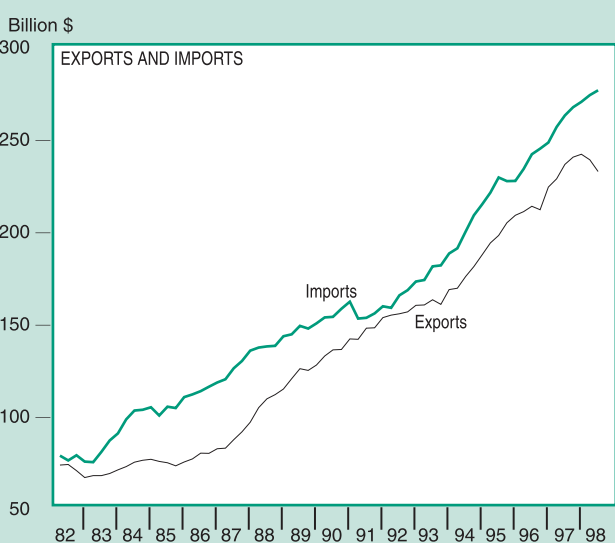
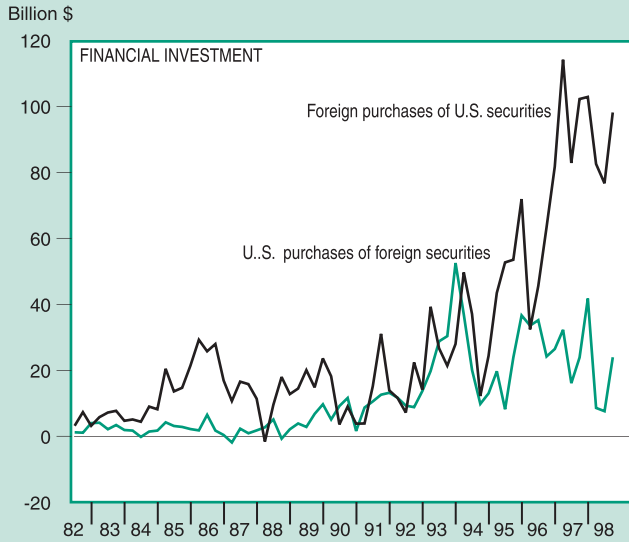
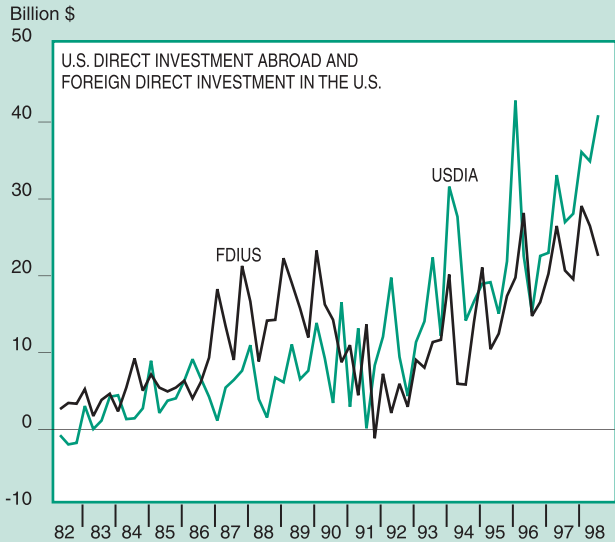
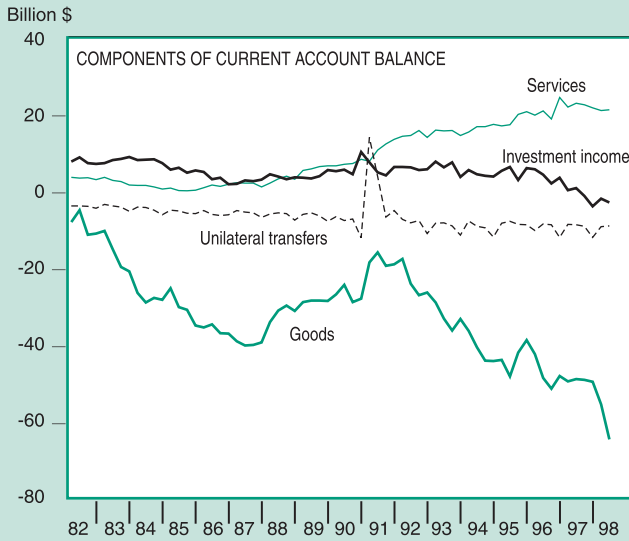
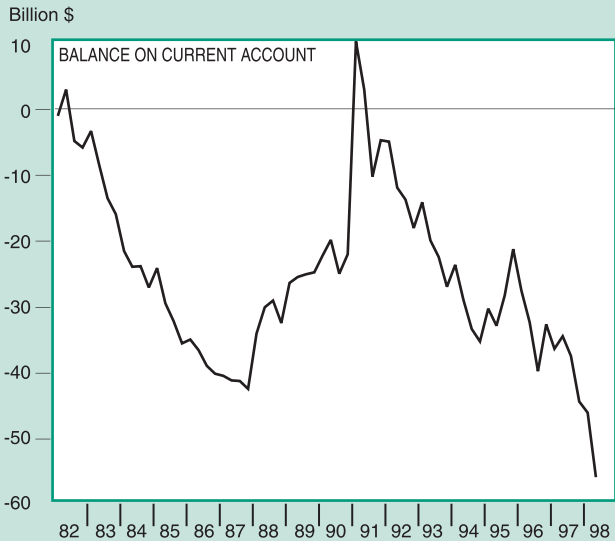




Table J.2.—Annual Personal Income and Disposable Personal Income for States and Regions

Area name	Personal income					Disposable personal income				
	Millions of dollars			Percent change <sup>1</sup>		Millions of dollars			Percent change <sup>1</sup>	
	1995	1996	1997	1995-96	1996-97	1995	1996	1997	1995-96	1996-97
<b>United States</b> .....	<b>6,060,138</b>	<b>6,408,990</b>	<b>6,770,709</b>	<b>5.8</b>	<b>5.6</b>	<b>5,266,018</b>	<b>5,519,456</b>	<b>5,782,771</b>	<b>4.8</b>	<b>4.8</b>
<b>New England</b> .....	<b>364,235</b>	<b>384,165</b>	<b>407,240</b>	<b>5.5</b>	<b>6.0</b>	<b>310,142</b>	<b>322,864</b>	<b>338,807</b>	<b>4.1</b>	<b>4.9</b>
Connecticut .....	104,777	110,550	117,564	5.5	6.3	87,710	91,150	95,844	3.9	5.2
Maine .....	24,646	25,936	27,236	5.2	5.0	21,767	22,775	23,664	4.6	3.9
Massachusetts .....	170,141	179,876	190,908	5.7	6.1	143,513	149,655	157,289	4.3	5.1
New Hampshire .....	29,051	30,734	32,608	5.8	6.1	25,780	26,933	28,316	4.5	5.1
Rhode Island .....	23,242	24,059	25,366	3.5	5.4	20,444	21,014	21,968	2.8	4.5
Vermont .....	12,378	13,010	13,557	5.1	4.2	10,928	11,338	11,725	3.7	3.4
<b>Mideast</b> .....	<b>1,183,517</b>	<b>1,245,659</b>	<b>1,303,273</b>	<b>5.3</b>	<b>4.6</b>	<b>1,014,319</b>	<b>1,058,161</b>	<b>1,096,276</b>	<b>4.3</b>	<b>3.6</b>
Delaware .....	18,369	19,744	20,808	7.5	5.4	15,762	16,818	17,561	6.7	4.4
District of Columbia .....	17,783	18,244	18,667	2.6	2.3	15,274	15,403	15,599	.8	1.3
Maryland .....	131,290	138,173	146,060	5.2	5.7	112,283	117,199	122,404	4.4	4.4
New Jersey .....	235,337	247,267	259,567	5.1	5.0	201,584	210,077	218,716	4.2	4.1
New York .....	500,433	526,883	549,531	5.3	4.3	425,229	442,766	457,170	4.1	3.3
Pennsylvania .....	280,305	295,349	308,640	5.4	4.5	244,187	255,898	264,826	4.8	5.4
<b>Great Lakes</b> .....	<b>1,009,168</b>	<b>1,055,079</b>	<b>1,108,356</b>	<b>4.5</b>	<b>5.0</b>	<b>870,278</b>	<b>902,634</b>	<b>940,038</b>	<b>3.7</b>	<b>4.1</b>
Illinois .....	298,369	315,117	332,241	5.6	5.4	256,666	268,591	280,555	4.6	4.5
Indiana .....	124,104	129,682	135,945	4.5	4.8	107,496	111,768	116,286	4.0	4.0
Michigan .....	226,261	233,628	244,329	3.3	4.6	195,048	199,665	206,863	2.4	3.6
Ohio .....	247,517	257,610	270,741	4.1	5.1	214,290	221,498	231,071	3.4	4.3
Wisconsin .....	112,917	119,042	125,100	5.4	5.1	96,779	101,113	105,263	4.5	4.1
<b>Plains</b> .....	<b>398,029</b>	<b>426,307</b>	<b>447,560</b>	<b>7.1</b>	<b>5.0</b>	<b>345,678</b>	<b>367,590</b>	<b>382,544</b>	<b>6.3</b>	<b>4.1</b>
Iowa .....	58,123	62,880	66,110	8.2	5.1	50,916	54,944	57,369	7.9	4.4
Kansas .....	55,368	58,793	62,312	6.2	6.0	48,213	50,806	53,437	5.4	5.2
Minnesota .....	109,451	117,421	123,207	7.3	4.9	92,684	97,903	101,664	5.6	3.8
Missouri .....	115,067	121,299	128,151	5.4	5.6	100,814	105,563	110,663	4.7	4.8
Nebraska .....	34,489	37,741	39,195	9.4	3.9	30,136	32,991	33,887	9.5	2.7
North Dakota .....	11,728	13,051	12,954	11.3	-7	10,454	11,687	11,458	11.8	-2.0
South Dakota .....	13,803	15,122	15,632	9.6	3.4	12,462	13,695	14,065	9.9	2.7
<b>Southeast</b> .....	<b>1,322,289</b>	<b>1,401,733</b>	<b>1,482,178</b>	<b>6.0</b>	<b>5.7</b>	<b>1,163,967</b>	<b>1,225,611</b>	<b>1,286,299</b>	<b>5.3</b>	<b>5.0</b>
Alabama .....	81,346	85,160	89,403	4.7	5.0	72,328	75,505	78,864	4.4	4.4
Arkansas .....	44,494	47,122	49,453	5.9	4.9	39,567	41,797	43,698	5.6	4.5
Florida .....	321,415	343,652	363,347	6.9	5.7	282,893	298,779	313,157	5.6	4.8
Georgia .....	155,990	167,996	178,870	7.7	6.5	135,874	145,240	153,501	6.9	5.7
Kentucky .....	71,761	75,584	80,503	5.3	6.5	62,812	65,909	69,816	4.9	5.9
Louisiana .....	81,498	85,117	89,094	4.4	4.7	73,270	76,078	78,930	3.8	3.7
Mississippi .....	44,623	47,173	49,386	5.7	4.7	40,617	42,850	44,646	5.5	4.2
North Carolina .....	150,880	161,194	172,073	6.8	6.7	131,204	139,857	148,185	6.6	6.0
South Carolina .....	69,508	73,407	77,650	5.6	5.8	61,397	64,517	67,823	5.1	5.1
Tennessee .....	110,562	115,744	122,136	4.7	5.5	99,137	103,038	107,991	3.9	4.8
Virginia .....	158,426	166,599	176,245	5.2	5.8	136,427	142,556	149,438	4.5	4.8
West Virginia .....	31,785	32,986	34,017	3.8	3.1	28,441	29,486	30,250	3.7	2.6
<b>Southwest</b> .....	<b>576,249</b>	<b>614,451</b>	<b>660,218</b>	<b>6.6</b>	<b>7.4</b>	<b>513,740</b>	<b>543,549</b>	<b>580,867</b>	<b>5.8</b>	<b>6.9</b>
Arizona .....	86,455	93,372	100,182	8.0	7.3	75,760	81,022	86,140	6.9	6.3
New Mexico .....	30,358	31,827	33,297	4.8	4.6	27,095	28,250	29,335	4.3	3.8
Oklahoma .....	60,718	63,809	67,052	5.1	5.1	53,722	56,117	58,582	4.5	4.4
Texas .....	398,718	425,443	459,688	6.7	8.0	357,162	378,160	406,809	5.9	7.6
<b>Rocky Mountain</b> .....	<b>174,662</b>	<b>186,911</b>	<b>199,692</b>	<b>7.0</b>	<b>6.8</b>	<b>151,139</b>	<b>160,589</b>	<b>170,127</b>	<b>6.3</b>	<b>5.9</b>
Colorado .....	90,884	97,764	105,158	7.6	7.6	78,112	83,279	88,701	6.6	6.5
Idaho .....	22,071	23,430	24,681	6.2	5.3	19,280	20,432	21,377	6.0	4.6
Montana .....	15,906	16,557	17,316	4.1	4.6	14,052	14,557	15,103	3.6	3.8
Utah .....	35,897	38,825	41,689	8.2	7.4	30,947	33,403	35,665	7.9	6.8
Wyoming .....	9,903	10,336	10,848	4.4	5.0	8,748	8,917	9,281	1.9	4.1
<b>Far West</b> .....	<b>1,031,987</b>	<b>1,094,684</b>	<b>1,162,192</b>	<b>6.1</b>	<b>6.2</b>	<b>896,754</b>	<b>938,457</b>	<b>987,813</b>	<b>4.7</b>	<b>5.3</b>
Alaska .....	14,419	14,711	15,199	2.0	3.3	12,346	12,566	12,903	1.8	2.7
California .....	754,269	798,020	846,017	5.8	6.0	654,979	682,407	717,166	4.2	5.1
Hawaii .....	29,333	29,698	30,479	1.2	2.6	25,652	25,826	26,363	.7	2.1
Nevada .....	37,512	41,423	44,524	10.4	7.5	32,371	35,352	37,669	9.2	6.6
Oregon .....	67,822	73,044	77,791	7.7	6.5	57,945	62,094	65,389	7.2	5.3
Washington .....	128,633	137,788	148,182	7.1	7.5	113,460	120,213	128,322	6.0	6.7

1. Percent changes are calculated from unrounded data.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel

stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

Source: Tables 1 and 3 in "State Personal Income, Revised Estimates for 1982-97" in the October 1998 issue of the SURVEY.

Table J.3.—Per Capita Personal Income and Per Capita Disposable Personal Income for States and Regions

Area name	Per capita personal income <sup>1</sup>				Per capita disposable personal income <sup>1</sup>			
	Dollars			Rank in U.S.	Dollars			Rank in U.S.
	1995	1996	1997	1997	1995	1996	1997	1997
<b>United States</b> .....	<b>23,063</b>	<b>24,169</b>	<b>25,298</b>	.....	<b>20,041</b>	<b>20,814</b>	<b>21,607</b>	.....
<b>New England</b> .....	<b>27,426</b>	<b>28,828</b>	<b>30,440</b>	.....	<b>23,353</b>	<b>24,228</b>	<b>25,325</b>	.....
Connecticut .....	32,073	33,835	35,954	1	26,849	27,898	29,311	1
Maine .....	19,970	20,941	21,928	36	17,638	18,388	19,053	36
Massachusetts .....	28,073	29,559	31,207	3	23,680	24,593	25,711	3
New Hampshire .....	25,341	26,490	27,806	8	22,487	23,214	24,146	5
Rhode Island .....	23,480	24,344	25,689	15	20,653	21,263	22,248	12
Vermont .....	21,237	22,184	23,018	32	18,750	19,333	19,908	32
<b>Mideast</b> .....	<b>26,630</b>	<b>27,993</b>	<b>29,245</b>	.....	<b>22,823</b>	<b>23,779</b>	<b>24,600</b>	.....
Delaware .....	25,666	27,291	28,443	6	22,024	23,246	24,005	7
District of Columbia .....	32,197	33,830	35,290	.....	27,655	28,563	29,490	.....
Maryland .....	26,115	27,305	28,671	5	22,334	23,161	24,028	6
New Jersey .....	29,581	30,901	32,233	2	25,338	26,254	27,160	2
New York .....	27,578	29,055	30,299	4	23,434	24,416	25,206	4
Pennsylvania .....	23,270	24,530	25,678	17	20,271	21,254	22,033	16
<b>Great Lakes</b> .....	<b>23,208</b>	<b>24,136</b>	<b>25,253</b>	.....	<b>20,014</b>	<b>20,649</b>	<b>21,418</b>	.....
Illinois .....	25,297	26,603	27,929	7	21,761	22,675	23,584	8
Indiana .....	21,442	22,251	23,183	29	18,573	19,178	19,830	33
Michigan .....	23,434	24,009	24,998	18	20,201	20,519	21,165	20
Ohio .....	22,233	23,078	24,203	21	19,249	20,657	21,657	22
Wisconsin .....	22,084	23,132	24,199	22	18,927	19,648	20,362	27
<b>Plains</b> .....	<b>21,686</b>	<b>23,083</b>	<b>24,100</b>	.....	<b>18,834</b>	<b>19,904</b>	<b>20,599</b>	.....
Iowa .....	20,462	22,078	23,177	30	17,925	19,292	20,113	30
Kansas .....	21,547	22,796	24,014	23	18,763	19,699	20,594	23
Minnesota .....	23,759	25,260	26,295	12	20,119	21,061	21,697	17
Missouri .....	21,610	22,615	23,723	26	18,933	19,681	20,485	25
Nebraska .....	21,078	22,891	23,656	27	18,417	20,011	20,452	26
North Dakota .....	18,287	20,308	20,213	45	16,300	18,187	17,878	41
South Dakota .....	18,782	20,503	21,183	37	16,956	18,567	19,063	35
<b>Southeast</b> .....	<b>20,817</b>	<b>21,800</b>	<b>22,776</b>	.....	<b>18,324</b>	<b>19,061</b>	<b>19,766</b>	.....
Alabama .....	19,086	19,864	20,699	38	16,971	17,612	18,259	38
Arkansas .....	17,935	18,802	19,602	47	15,949	16,677	17,321	45
Florida .....	22,665	23,833	24,795	20	19,949	20,721	21,370	18
Georgia .....	21,689	22,906	23,893	25	18,892	19,803	20,504	24
Kentucky .....	18,609	19,470	20,599	40	16,288	16,978	17,864	42
Louisiana .....	18,828	19,608	20,473	41	16,927	17,526	18,138	39
Mississippi .....	16,585	17,402	18,087	50	15,096	15,807	16,351	50
North Carolina .....	20,994	22,054	23,174	31	18,256	19,135	19,957	31
South Carolina .....	18,871	19,751	20,651	39	16,669	17,359	18,037	40
Tennessee .....	21,118	21,808	22,752	33	18,936	19,414	20,117	29
Virginia .....	24,000	24,992	26,172	14	20,667	21,385	22,192	15
West Virginia .....	17,446	18,120	18,734	49	15,610	16,198	16,660	49
<b>Southwest</b> .....	<b>20,578</b>	<b>21,535</b>	<b>22,734</b>	.....	<b>18,346</b>	<b>19,050</b>	<b>20,002</b>	.....
Arizona .....	20,068	21,057	21,994	35	17,585	18,271	18,911	37
New Mexico .....	18,003	18,599	19,249	48	16,068	16,508	16,959	48
Oklahoma .....	18,560	19,363	20,214	44	16,422	17,029	17,661	44
Texas .....	21,279	22,285	23,647	28	19,061	19,808	20,927	21
<b>Rocky Mountain</b> .....	<b>21,227</b>	<b>22,310</b>	<b>23,436</b>	.....	<b>18,369</b>	<b>19,168</b>	<b>19,967</b>	.....
Colorado .....	24,290	25,618	27,015	9	20,877	21,823	22,787	10
Idaho .....	18,947	19,729	20,393	42	16,551	17,205	17,663	43
Montana .....	18,310	18,886	19,704	46	16,175	16,605	17,186	47
Utah .....	18,182	19,244	20,246	43	15,675	16,556	17,320	46
Wyoming .....	20,695	21,532	22,611	34	18,281	18,577	19,347	34
<b>Far West</b> .....	<b>23,753</b>	<b>24,901</b>	<b>26,061</b>	.....	<b>20,640</b>	<b>21,347</b>	<b>22,151</b>	.....
Alaska .....	23,965	24,318	24,945	19	20,520	20,771	21,177	19
California .....	23,901	25,050	26,218	13	20,755	21,421	22,225	13
Hawaii .....	24,883	25,105	25,686	16	21,761	21,832	22,217	14
Nevada .....	24,525	25,876	26,553	10	21,164	22,084	22,465	11
Oregon .....	21,579	22,852	23,984	24	18,436	19,427	20,160	28
Washington .....	23,664	24,964	26,412	11	20,872	21,780	22,872	9

1. Per capita personal income and per capita disposable personal income were computed using midyear population estimates from the Bureau of the Census.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel

stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

Source: Tables 2 and 4 in "State Personal Income, Revised Estimates for 1982-97" in the October 1998 issue of the SURVEY.







Table K.1.—Personal Income and Per Capita Personal Income by Metropolitan Area, 1994-96—Continued

Table with columns for Area name, Personal income (Millions of dollars, Percent change), and Per capita personal income (Dollars, Rank in U.S.). Rows list various metropolitan areas with their corresponding income data for 1994-96.

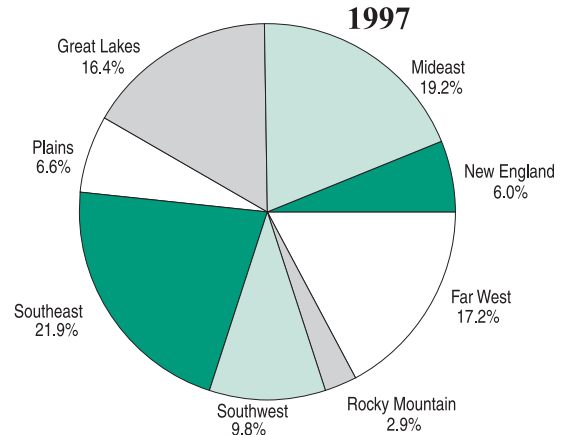
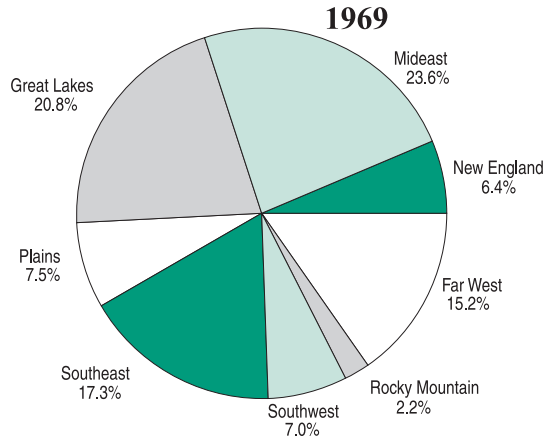
1. The personal income level shown for the United States is derived as the sum of the county estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.
2. Percent change was calculated from unrounded data.
3. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 1994-96 reflect county population estimates available as of March 1998.
4. Includes Metropolitan Statistical Areas, Primary Metropolitan Statistical Areas (PMSA's designated by \*), and

New England County Metropolitan Areas (NECMA's). The New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA is presented as a PMSA (part of the New York CMSA).
Source: Table 1 in "Local Area Personal Income, 1969-96" in the May 1998 issue of the SURVEY.

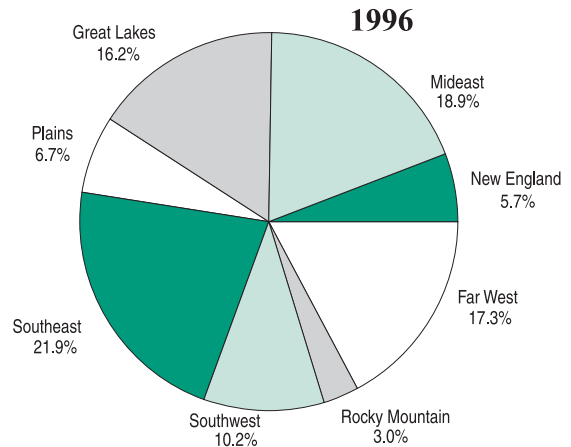
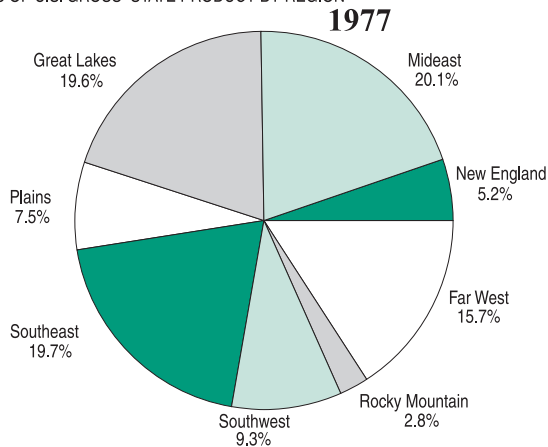
L. Charts

SELECTED REGIONAL ESTIMATES

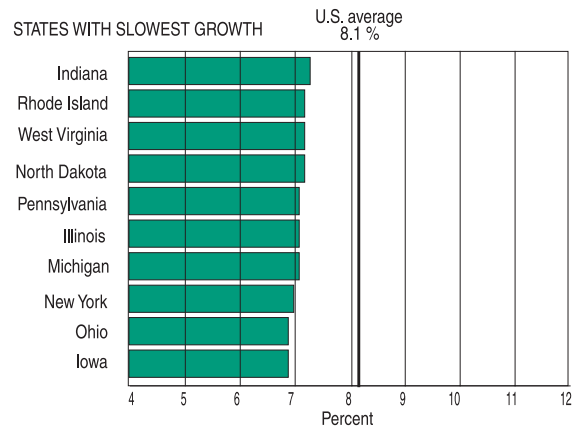
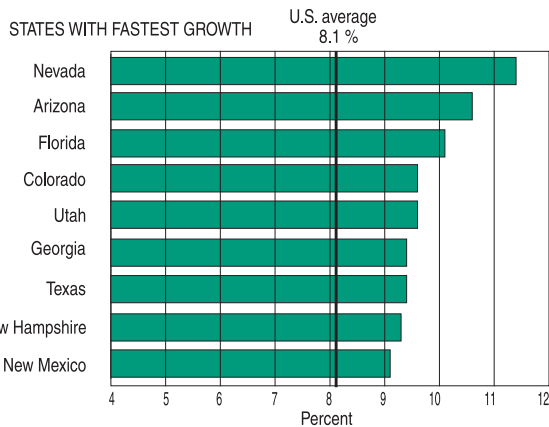
SHARES OF U.S. PERSONAL INCOME BY REGION



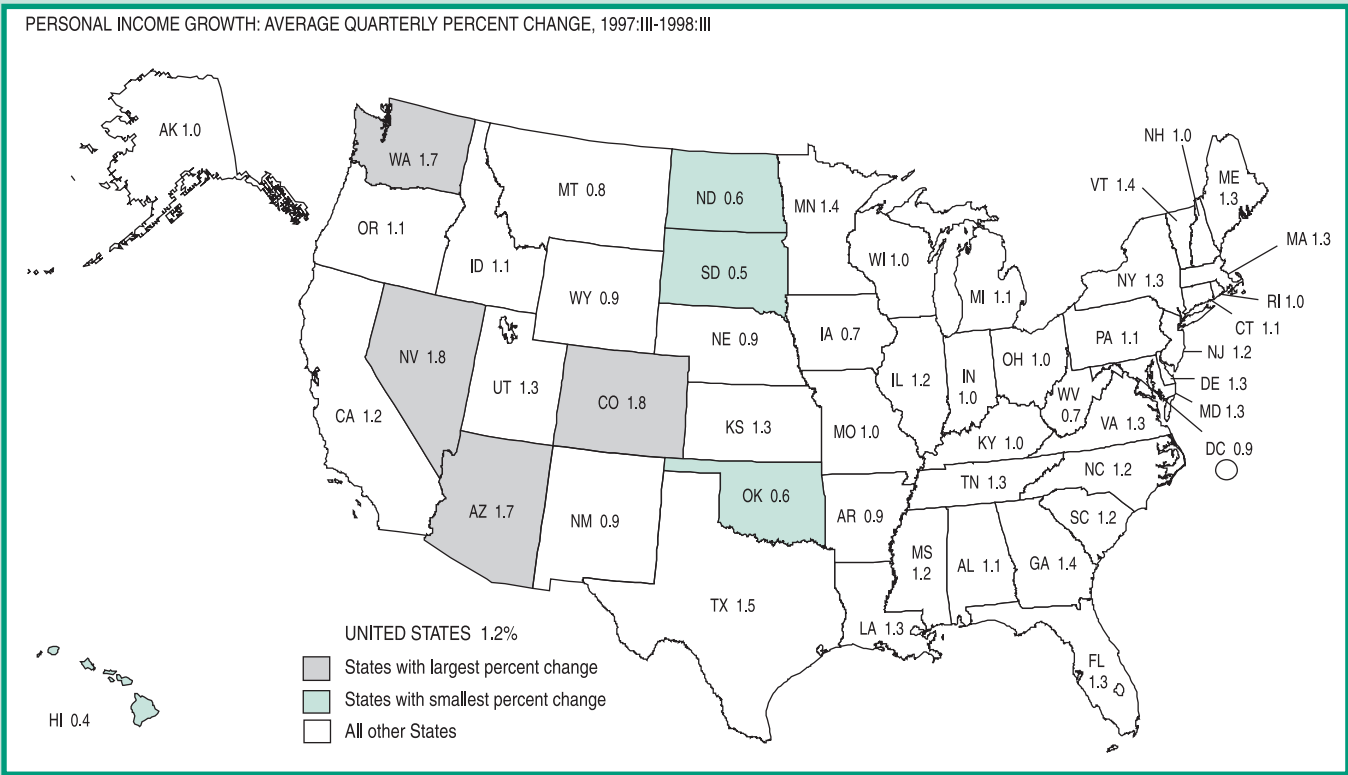
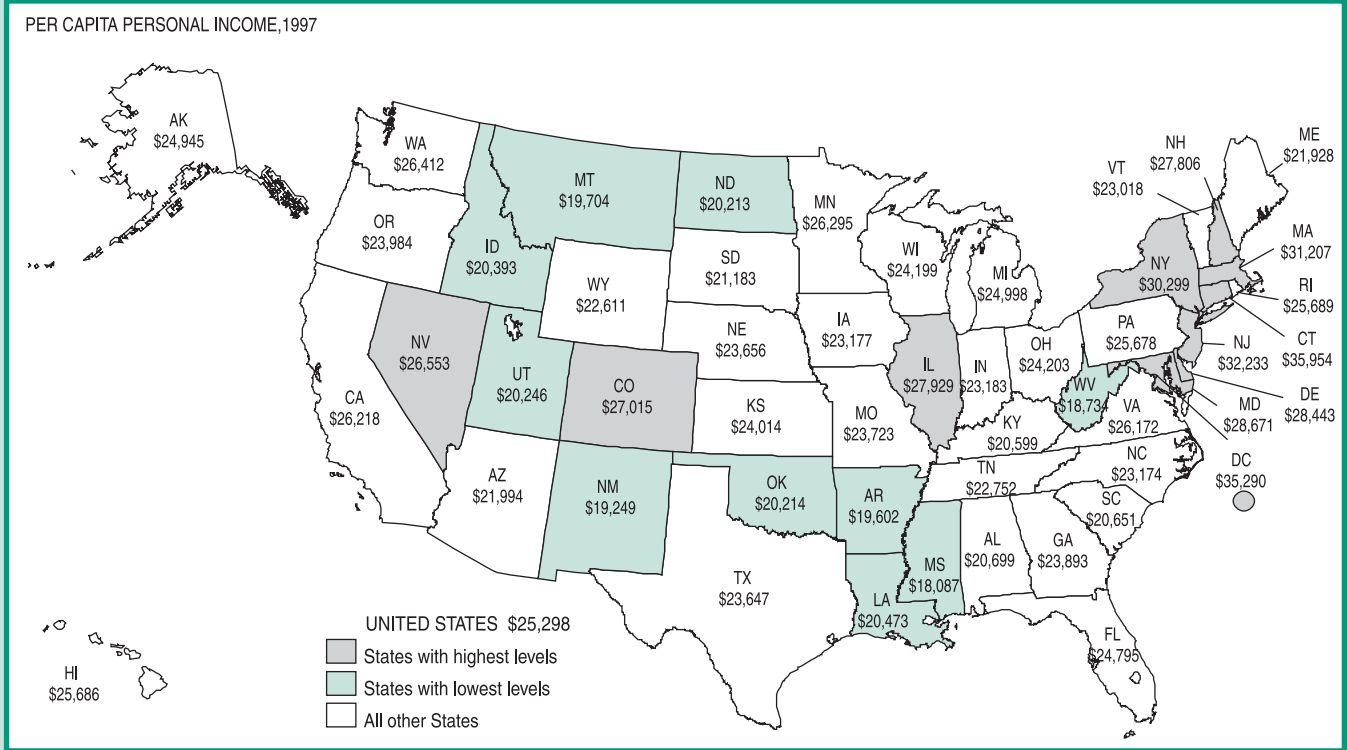
SHARES OF U.S. GROSS STATE PRODUCT BY REGION



AVERAGE ANNUAL GROWTH RATE OF PERSONAL INCOME, 1969-97



### SELECTED REGIONAL ESTIMATES



## Appendix A

### Additional Information About BEA's NIPA Estimates

#### Statistical Conventions

Changes in current-dollar GDP measure changes in the market value of goods and services produced in the economy in a particular period. For many purposes, it is necessary to decompose these changes into quantity and price components. To compute the quantity indexes, changes in the quantities of individual goods and services are weighted by their prices. (Quantity changes for GDP are often referred to as changes in "real GDP.") For the price indexes, changes in the prices for individual goods and services are weighted by quantities produced. (In practice, the current-dollar value and price indexes for most GDP components are determined largely using data from Federal Government surveys, and the real values of these components are calculated by deflation at the most detailed level for which all the required data are available.)

The annual changes in quantities and prices are calculated using a Fisher formula that incorporates weights from 2 adjacent years. (Similar formulas are used to calculate the quarterly indexes for the most recent quarters, called the "tail" period, and for the indexes for the other quarters, called the "historical period.") For example, the 1996–97 annual percent change in real GDP uses prices for 1996 and 1997 as weights, and the 1996–97 annual percent change in price uses quantities for 1996 and 1997 as weights. These annual changes are "chained" (multiplied) together to form time series of quantity and price. Because the Fisher formula allows for the effects of changes in relative prices and in the composition of output over time, the resulting quantity or price changes are not affected by the substitution bias that is associated with changes in quantities and prices calculated using a fixed-weighted formula. The Fisher formula also produces changes in quantities and prices that are not affected by the choice of base periods. In addition, because the changes in quantities and prices calculated in this way are symmetric, the product of a quantity index and the corresponding price index is generally equal to the current-dollar index.

In addition, BEA prepares measures of real GDP and its components in a dollar-denominated form, designated "*chained (1992) dollar estimates*." These estimates are computed by multiplying the 1992 current-dollar value of GDP, or of a GDP component, by the corresponding quantity index number. For example, if a current-dollar GDP component equaled \$100 in 1992 and if real output for this component increased by 10 percent in 1993, then the "chained (1992) dollar" value of this component in 1993 would be \$110 (\$100 × 1.10). Note that percentage changes in the chained

(1992) dollar estimates and the percentage changes calculated from the quantity indexes are identical, except for small differences due to rounding.

Because of the formula used for calculating real GDP, the chained (1992) dollar estimates for detailed GDP components *do not add* to the chained-dollar value of GDP or to any intermediate aggregates. A "*residual*" line is shown as the difference between GDP and the sum of the most detailed components shown in each table. The residual generally is small close to the base period but tends to become larger as one moves further from it. NIPA table 8.2 provides accurate measures of the contributions of the major components to the percentage change in real GDP for all periods.

BEA also publishes the "implicit price deflator (IPD)," which is calculated as the ratio of current-dollar value to the corresponding chained-dollar value, multiplied by 100; the values of the IPD and of the corresponding "chain-type" price index are very close.

For quarters and months, the estimates are presented at annual rates, which show the value that would be registered if the rate of activity measured for a quarter or a month were maintained for a full year. Annual rates are used so that time periods of different lengths—for example, quarters and years—may be compared easily. These annual rates are determined simply by multiplying the estimated rate of activity by 4 (for quarterly data) or 12 (for monthly data).

*Percent changes* in the estimates are also expressed at annual rates. Calculating these *changes* requires a variant of the compound interest formula:

$$r = \left[ \left( \frac{X_t}{X_o} \right)^{m/n} - 1 \right] \times 100,$$

where  $r$  is the percent change at an annual rate;  
 $X_t$  is the level of activity in the later period;  
 $X_o$  is the level of activity in the earlier period;  
 $m$  is the yearly periodicity of the data (for example, 1 for annual data, 4 for quarterly, or 12 for monthly); and  
 $n$  is the number of periods between the earlier and later periods (that is,  $t - o$ ).

Quarterly and monthly NIPA estimates are seasonally adjusted, if necessary. Seasonal adjustment removes from the time series the average impact of variations that normally occur at about the same time and in about the same magnitude each year—for example, weather, holidays, and tax payment dates. After seasonal adjustment, cyclical and other short-term changes in the economy stand out more clearly.

## Reconciliation Tables

Table 1.—Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings

[Percent change from preceding period]

	1997	1998 <sup>P</sup>	Seasonally adjusted at annual rates					
			1997		1998			
			III	IV	I	II	III	IV <sup>P</sup>
<b>BEA-derived compensation per hour of all persons, BEA/BLS<sup>1</sup></b> .....	<b>3.7</b>	<b>4.2</b>	<b>3.9</b>	<b>5.0</b>	<b>4.6</b>	<b>4.0</b>	<b>4.2</b>	<b>3.5</b>
Less: Contribution of supplements to wages and salaries per hour .....	-.6	-.3	-.5	-.8	-.1	-.4	-.2	-.4
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions .....	-.2	-.2	-.6	-.6	-.2	.1	.1	-.2
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed .....	-.1	-.1	-.5	.4	-.1	-.1	-.1	-.3
<b>Equals: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector</b> .....	<b>4.2</b>	<b>4.4</b>	<b>4.2</b>	<b>4.9</b>	<b>4.6</b>	<b>4.5</b>	<b>4.5</b>	<b>4.0</b>
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing .....	.1	-.2	.9	1.3	.4	.2	.2	.2
Less: Other differences <sup>2</sup> .....	.2	.6	-.7	-1.1	.2	-.3	.9	.6
<b>Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls</b> .....	<b>3.9</b>	<b>4.0</b>	<b>4.0</b>	<b>4.6</b>	<b>3.9</b>	<b>4.6</b>	<b>3.4</b>	<b>3.2</b>
<b>Addendum:</b>								
BLS estimates of compensation per hour in the nonfarm business sector <sup>3</sup> .....	3.7	.....	3.9	4.9	4.6	4.0	4.0	.....

<sup>P</sup> Preliminary

1. Includes BLS data on compensation and hours of nonfarm proprietors' and hours worked of unpaid family workers.

2. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates also include differences in BEA and BLS benchmark procedures; quarterly estimates also include

differences in seasonal adjustment procedures.

3. These estimates differ from the BEA-derived estimates (first line) because the BLS estimates include compensation and hours of tenant-occupied housing.

BEA Bureau of Economic Analysis  
BLS Bureau of Labor Statistics

Table 2.—Relation of Net Exports of Goods and Services and Net Receipts of Factor Income in the NIPA's to Balance on Goods, Services, and Income in the BPA's

[Billions of dollars]

	Line	1996	1997	Seasonally adjusted at annual rates					
				1997			1998		
				II	III	IV	I	II	III
<b>Exports of goods, services, and income, BPA's</b> .....	<b>1</b>	<b>1,064.0</b>	<b>1,179.4</b>	<b>1,181.1</b>	<b>1,201.9</b>	<b>1,199.4</b>	<b>1,196.2</b>	<b>1,169.9</b>	<b>1,151.0</b>
Less: Gold, BPA's .....	2	6.9	5.7	9.3	3.4	3.4	5.3	4.2	5.2
Statistical differences <sup>1</sup> .....	3	0	0	0	0	0	4.8	3.9	3.3
Other items .....	4	1.1	.8	.6	.6	.9	.8	.7	.9
Plus: Adjustment for grossing of parent/affiliate interest payments .....	5	3.4	3.9	3.6	4.2	4.6	3.9	4.3	4.3
Adjustment for U.S. territories and Puerto Rico .....	6	34.4	37.0	37.4	36.8	37.9	37.0	37.2	37.4
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans .....	7	15.5	17.1	17.2	17.1	17.3	17.3	17.6	17.8
<b>Equals: Exports of goods and services and receipts of factor income, NIPA's</b> .....	<b>8</b>	<b>1,109.3</b>	<b>1,230.9</b>	<b>1,229.4</b>	<b>1,256.0</b>	<b>1,254.9</b>	<b>1,243.6</b>	<b>1,220.2</b>	<b>1,201.2</b>
<b>Imports of goods, services, and income, BPA's</b> .....	<b>9</b>	<b>1,158.3</b>	<b>1,294.9</b>	<b>1,285.4</b>	<b>1,316.5</b>	<b>1,330.2</b>	<b>1,345.3</b>	<b>1,358.9</b>	<b>1,355.9</b>
Less: Gold, BPA's .....	10	7.7	6.6	11.0	3.0	3.8	6.7	5.5	7.3
Statistical differences <sup>1</sup> .....	11	0	0	0	0	0	1.8	2.7	1.3
Other items .....	12	0	0	0	0	0	0	0	0
Plus: Gold, NIPA's .....	13	-3.8	-3.5	-3.8	-3.4	-3.3	-3.2	-3.0	-2.8
Adjustment for grossing of parent/affiliate interest payments .....	14	3.4	3.9	3.6	4.2	4.6	3.9	4.3	4.3
Adjustment for U.S. territories and Puerto Rico .....	15	22.4	26.5	25.8	28.0	28.3	27.4	28.5	27.1
Imputed interest paid to rest of world .....	16	15.5	17.1	17.2	17.1	17.3	17.3	17.6	17.8
<b>Equals: Imports of goods and services and payments of factor income, NIPA's</b> .....	<b>17</b>	<b>1,188.1</b>	<b>1,332.3</b>	<b>1,317.3</b>	<b>1,359.4</b>	<b>1,373.3</b>	<b>1,382.2</b>	<b>1,398.2</b>	<b>1,393.7</b>
<b>Balance on goods, services, and income, BPA's (1-9)</b> .....	<b>18</b>	<b>-94.3</b>	<b>-115.5</b>	<b>-104.3</b>	<b>-114.6</b>	<b>-130.8</b>	<b>-149.1</b>	<b>-189.0</b>	<b>-204.9</b>
Less: Gold (2-10+13) .....	19	-4.6	-4.4	-5.5	-3.0	-3.7	-4.6	-4.3	-4.9
Statistical differences (3-11) <sup>1</sup> .....	20	0	0	0	0	0	3.0	1.2	2.0
Other items (4-12) .....	21	1.1	.8	.6	.6	.9	.8	.7	.9
Plus: Adjustment for U.S. territories and Puerto Rico (6-15) .....	22	12.0	10.5	11.6	8.8	9.6	9.6	8.7	10.3
<b>Equals: Net exports of goods and services and net receipts of factor income, NIPA's (8-17)</b> .....	<b>23</b>	<b>-78.8</b>	<b>-101.4</b>	<b>-87.9</b>	<b>-103.4</b>	<b>-118.4</b>	<b>-138.6</b>	<b>-178.0</b>	<b>-192.5</b>

1. Consists of statistical revisions in the NIPA's that have not yet been incorporated into the BPA's (1998:III) and statistical revisions in the BPA's that have not yet been incorporated into the NIPA's (1998:I-1998:III).

BPA's Balance of payments accounts

NIPA's National income and product accounts

## Appendix B

### Suggested Reading

#### Mid-Decade Strategic Plan

BEA has published the following articles in the SURVEY OF CURRENT BUSINESS on the development and implementation of its strategic plan for improving the accuracy, reliability, and relevance of the national, regional, and international accounts.

“Mid-Decade Strategic Review of BEA’s Economic Accounts: Maintaining and Improving Their Performance” (February 1995)

“Mid-Decade Strategic Review of BEA’s Economic Accounts: An Update” (April 1995)

“BEA’s Mid-Decade Strategic Plan: A Progress Report” (June 1996)

*Mid-Decade Strategic Review of BEA’s Economic Accounts: Background Papers* (1995) presents seven background papers that evaluate the state of the U.S. economic accounts and that identify the problems and the prospects for improving the accounts.

#### Methodology

BEA has published a wealth of information about the methodology used to prepare its national, regional, and international estimates.

##### National

*National income and product accounts (NIPA’s)*

*NIPA Methodology Papers*: This series documents the conceptual framework of the NIPA’s and the methodology used to prepare the estimates.

*An Introduction to National Economic Accounting* (NIPA Methodology Paper No. 1, 1985) [Also appeared in the March 1985 issue of the SURVEY]

*Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends* (NIPA Methodology Paper No. 2, 1985)

*Foreign Transactions* (NIPA Methodology Paper No. 3, 1987) [Revised version forthcoming]

*GNP: An Overview of Source Data and Estimating Methods* (NIPA Methodology Paper No. 4, 1987) [Largely superseded by “A Guide to the NIPA’s” (March 1998 SURVEY)]

*Government Transactions* (NIPA Methodology Paper No. 5, 1988)

*Personal Consumption Expenditures* (NIPA Methodology Paper No. 6, 1990)

The methodologies described in these papers are subject to periodic improvements that are typically introduced as part of the annual and comprehensive revisions of the NIPA’s; these improvements are

described in the SURVEY articles that cover these revisions.

“Annual Revision of the U.S. National Income and Product Accounts”: This series of SURVEY articles, the latest of which was published in the August 1998 issue, describes the annual NIPA revisions and the improvements in methodology.

“Completion of the Comprehensive Revision of the National Income and Product Accounts, 1929–96” (May 1997) is the last in a series of SURVEY articles that describe the most recent comprehensive revision of the NIPA’s.

“A Guide to the NIPA’s” (March 1998 SURVEY) provides the definitions of the major NIPA aggregates and components; discusses the measures of real output and prices; explains how production is classified and how the NIPA’s are presented; describes the statistical conventions that are used; and lists the principal source data and methods used to prepare the estimates of gross domestic product (GDP).

Information on the sources and methods used to prepare the national estimates of personal income, which provide the basis for the State estimates of personal income, can be found in *State Personal Income, 1929–93* (1995).

“Gross Domestic Product as a Measure of U.S. Production” (August 1991 SURVEY) briefly explains the difference between GDP and gross national product.

“BEA’s Chain Indexes, Time Series, and Measures of Long-Term Economic Growth” (May 1997) is the most recent in a series of SURVEY articles that describe the conceptual basis for the chain-type measures of real output and prices used in the NIPA’s.

“Reliability of the Quarterly and Annual Estimates of GDP and Gross Domestic Income” (December 1998 SURVEY) evaluates the reliability of these estimates by examining the record of revisions to them.

#### Availability

Most of the items listed here are available on BEA’s Web site at <[www.bea.doc.gov](http://www.bea.doc.gov)>. In addition, see the inside back cover of this issue for the availability of some of the publications.

The *Catalog of BEA Products* is available on BEA’s Web site; a printed copy can be obtained by writing to the Public Information Office, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or by calling 202-606-9900.

### *Wealth and related estimates*

“Improved Estimates of Fixed Reproducible Tangible Wealth, 1929–95” (May 1997 SURVEY) describes the most recent comprehensive revision of the estimates of fixed reproducible tangible wealth.

### *Gross product by industry*

“Improved Estimates of Gross Product by Industry, 1959–94” (August 1996 SURVEY) describes the most recent comprehensive revision of the estimates of gross product by industry.

“Gross Product by Industry, 1947–96” (November 1997 SURVEY) and “Gross Product by Industry, 1995–97” (November 1998 SURVEY) present the most recent revisions to the estimates of gross product by industry and briefly describe changes in methodology.

### *Input-output accounts*

“Benchmark Input-Output Accounts for the U.S. Economy, 1992” (November 1997 SURVEY) describes the preparation of the 1992 input-output accounts and the concepts and methods underlying the U.S. input-output accounts.

### *Satellite accounts*

Satellite accounts that extend the analytical capacity of the national accounts by focusing on a particular aspect of activity are presented in the following SURVEY articles.

“Integrated Economic and Environmental Satellite Accounts” and “Accounting for Mineral Resources: Issues and BEA’s Initial Estimates” (April 1994)

“A Satellite Account for Research and Development” (November 1994)

“U.S. Transportation Satellite Accounts for 1992” (April 1998)

“U.S. Travel and Tourism Satellite Accounts for 1992” (July 1998)

## **International**

### *Balance of payments accounts (BPA’s)*

*The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures* (1990) describes the methodologies used in preparing the estimates in the BPA’s and of the international investment position of the United States. These methodologies are subject to periodic improvements that are typically introduced as part of the annual revisions of the BPA’s.

“U.S. International Transactions, Revised Estimates”: This series of SURVEY articles, the latest of which was published in the July 1998 issue, describes

the annual BPA revisions and the improvements in methodology.

### *Direct investment*

The coverage, concepts, definitions, and classifications used in the benchmark surveys of U.S. direct investment abroad and of foreign direct investment in the United States are presented in the publications of the final results of the following benchmark surveys.

*U.S. Direct Investment Abroad: 1994 Benchmark Survey, Final Results* (1998)

*Foreign Direct Investment in the United States: 1992 Benchmark Survey, Final Results* (1995)

The types of data on direct investment that are collected and published by BEA and the clarifications of the differences between the data sets are presented in the following SURVEY articles.

“A Guide to BEA Statistics on U.S. Multinational Companies” (March 1995)

“A Guide to BEA Statistics on Foreign Direct Investment in the United States” (February 1990)

### *Surveys of international services*

*U.S. International Transactions in Private Services: A Guide to the Surveys Conducted by the Bureau of Economic Analysis* (1998) provides information on the 11 surveys that BEA conducts on these transactions—including classifications, definitions, release schedules, and methods used to prepare the estimates—and samples of the survey forms.

## **Regional**

### *Personal income*

*State Personal Income, 1929–93* (1995) includes a description of the methodology used to prepare the estimates of State personal income. [Also available on the CD-ROM *State Personal Income, 1929–97*]

*Local Area Personal Income, 1969–92* (1994) includes a description of the methodology used to prepare the estimates of local area personal income. [Also available on the CD-ROM *Regional Economic Information System, 1969–96*]

### *Gross state product*

“Comprehensive Revision of Gross State Product by Industry, 1977–94” (June 1997 SURVEY) summarizes the sources and methods for BEA’s estimates of gross state product.

“Gross State Product by Industry, 1977–96” (June 1998 SURVEY) presents the most recent revision to the estimates of gross state product by industry and briefly describes changes in methodology. 