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11

## SURVEY OF CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE / BUREAU OF ECONOMIC ANALYSIS



## SURVEY OF CURRENT BUSINESS



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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department.

**Note.—**This issue of the SURVEY went to the printer on December 5, 1989. It incorporates data from the following monthly BEA news releases:

Gross National Product (Nov. 29),  
Personal Income and Outlays (Nov. 30), and  
Composite Indexes of Leading, Coincident, and Lagging  
Indicators (Dec. 1).

### *Blue pages: Current Business Statistics*

(See page S-36 for subject index to Current Business Statistics)

### *Inside back cover: BEA Information*

# *the BUSINESS SITUATION*

PRELIMINARY estimates show that real GNP—a measure of U.S. production—increased at an annual rate of  $2\frac{1}{2}$  percent in the third quarter of 1989; the advance estimates issued a month ago had shown a similar increase. The third-quarter increase in real gross domestic purchases—a measure of U.S. demand—was revised down from  $4\frac{1}{2}$  percent to 4 percent at an annual rate. The third-quarter increases in both the GNP price index (fixed weights) and the gross domestic purchases price index (fixed weights) were unrevised at annual rates of 3 percent and  $2\frac{1}{2}$  percent, respectively (chart 1).<sup>1</sup>

Although the third-quarter revision in real GNP was small, revisions in two major components were substantial. Net exports was revised up \$10.5 billion, and inventory investment was revised down \$9.0 billion (see table 1 on page 18).

Within net exports, a \$2.3 billion upward revision in exports was largely attributable to new and revised monthly Census Bureau merchandise trade data. An \$8.2 billion downward revision in imports reflected a revision in merchandise trade due to the

**NOTE.**—Quarterly estimates in the national income and product accounts are expressed at seasonally adjusted annual rates, and quarterly changes are differences between these rates. Quarter-to-quarter percent changes are compounded to annual rates. Real, or constant-dollar, estimates are expressed in 1982 dollars.

1. The regularly featured estimates of real GNP and GNP prices are based on 1982 weights. Alternative measures based on more current weights are shown in tables 6 and 7 on page 20.

newly available monthly Census Bureau data and a revision in services that stemmed from new information on the impact of Hurricane Hugo (see the section on corporate profits for a discussion of this revision).

The downward revision in inventory investment—that is, change in business inventories—was concentrated in nonfarm inventories. The change in manufacturing inventories was revised down \$5.2 billion, and the change in wholesale trade inventories was revised down \$6.0 billion; these revisions reflected new and revised monthly Census Bureau inventory data.

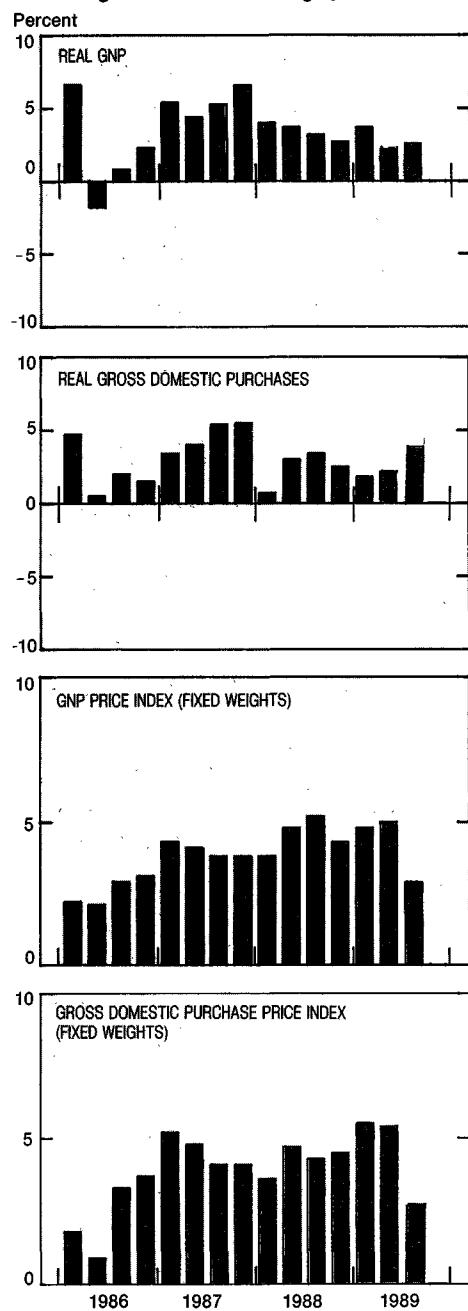
The broad picture of the economy sketched in last month's "Business Situation" was not greatly altered by the revisions. Real GNP increased at the same pace in the third quarter as in the second. Real gross domestic purchases increased considerably more than in the second quarter, reflecting a sharp downswing in net exports; growth in exports slowed sharply, and imports increased at about the same pace in both quarters (the advance estimates had shown a pickup in imports). Inflation, as measured by the GNP price index and the gross domestic purchases price index, slowed in the third quarter.

## Corporate Profits

Profits from current production declined \$15 $\frac{1}{2}$  billion in the third quarter after a decline of \$8 $\frac{1}{2}$  billion in the second (table 1). Hurricane Hugo, which ripped into the southeastern coast of the United States in late September, caused most of the third-quarter

CHART 1

### Selected Measures: Change From Preceding Quarter



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

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

89-11-1

## Looking Ahead...

- **Regional Differences in Economic Growth.** An article accounting for regional differences in per capita personal income growth will appear in an upcoming issue of the SURVEY. This article, covering 1929-88, updates and extends an earlier analysis.

Table 1.—Corporate Profits

	Change from preceding quarter		Level 1989:III
	1989:II	1989:III	
Billions of dollars			
Profits from current production.....	-8.5	-15.5	292.3
Domestic .....	-5.5	-15.0	249.2
Financial.....	-8	-10.2	23.4
Nonfinancial.....	-4.8	-4.7	225.8
Rest of the world.....	-3.0	-5	43.1
Inventory valuation adjustment.....	17.8	14.5	-6.0
Capital consumption adjustment.....	-4.3	-6.0	26.3
Profits before tax.....	-22.0	-24.0	272.0
Profits tax liability.....	-9.5	-12.5	122.4
Profits after tax.....	-12.5	-11.6	149.5
Profits by industry:			
Profits before tax with IVA.....	-4.2	-9.5	266.0
Domestic .....	-1.2	-9.0	222.9
Financial.....	-7	-10.2	18.4
Nonfinancial.....	-7	1.3	204.5
Manufacturing.....	-6.2		
Trade .....	2.8		
Transportation and public utilities.....	-8		
Other.....	3.5		
Rest of the world.....	-3.0	-5	43.1
Dollars			
Unit prices, costs, and profits of domestic nonfinancial corporations:			
Unit price .....	0.012	0.008	1.176
Unit labor cost.....	.010	.005	.783
Unit nonlabor cost.....	.005	.005	.302
Unit profits from current production.....	-.003	-.003	.090

Note.—Levels of these and other profits series are found in tables 1.14, 1.16, 6.18B, and 7.18 of the "Selected NIPA Tables."

decline. Domestic insurance companies paid almost \$9½ billion in storm-related benefits, reducing profits of domestic financial corporations by that amount; in addition, storm-related corporate damages not covered by insurance reduced profits, mainly of domestic nonfinancial corporations, by about \$1½ billion.

Last month's "Business Situation" reported that domestic insurance company benefit payments arising from the storm were about \$12 billion.<sup>2</sup> The downward revision, to less than \$9½ billion, is based on new information indicating that about \$3 billion of insurance payments that had been attributed to domestic insurers were actually from foreign insurers and reinsurers. In the national income and product accounts (NIPA's), purchases of casualty insurance are recorded as the difference between premiums and benefits, and purchases of insurance from foreigners are reflected in service imports. Recognition of the \$3 billion in benefits received from foreign insurers, therefore, resulted in a \$3 billion downward revision in imports and a \$3

2. The October "Business Situation" also described the sources used by BEA for estimating the impact of the hurricane, the types of property damage included in the estimates, and the effect of the storm on incomes other than corporate profits.

billion upward revision in net exports and in GNP.

**Domestic nonfinancial corporations.**—For domestic nonfinancial corporations, profits from current production declined \$4½ billion in the third quarter after a similar decline in the second. (The third-quarter decline includes the storm damage of close to \$1½ billion not covered by insurance.) Real product of these corporations increased more in the third quarter than in the second, but unit profits from current production fell. The decline in unit profits reflected a smaller increase in unit prices than in unit costs; both labor and nonlabor unit costs increased.

**Profits before tax.**—Profits before tax (PBT) declined \$24 billion in the third quarter after a decline of about the same size in the second. The current-production measure of profits includes two adjustments that are not included in PBT—namely, the inventory valuation adjustment (IVA) and the capital consumption adjustment (CCAdj); these adjustments convert the inventories and depreciation reported by business to those used in the NIPA's. The IVA increased \$14½ billion in the third quarter, somewhat less than in the second; the CCAdj declined by \$6 billion in the third quarter, somewhat more than in the second. The third-quarter increase in the IVA—or, equivalently, the decline in inventory profits—resulted from a slowdown in the rate of increase in inventory prices. For example, the Producer Price Index, the components of which are a major source of data on inventory prices, changed little in the third quarter after a 5-percent increase in the second.

## Government Sector

The fiscal position of the government sector deteriorated in the third quarter of 1989, as the combined deficit of the Federal Government and of State and local governments increased \$5 billion to \$103 billion (table 2). The increase was caused by an increase in the Federal Government deficit and a decline in the State and local government surplus.

**The Federal sector.**—The Federal Government deficit increased \$2 billion to \$147½ billion, as receipts declined more than expenditures.

Receipts declined \$10 billion, in contrast to a \$17 billion increase in the second quarter. Corporate profits tax accruals declined \$10 billion, compared with a \$7½ billion decline in the second quarter; both declines were attributable to declining profits. Personal tax and nontax receipts declined \$6 billion after an \$18 billion increase in the second quarter. These large changes in personal taxes were due to provisions of the Tax Reform Act of 1986; final settlements were boosted in the second quarter of 1989 by tax payments on income shifted from 1987 to 1988 to take advantage of lower tax rates. Indirect business tax and nontax accruals increased \$1½ billion after no change in the second quarter; the acceleration was in customs duties and in nontaxes, which included a \$½ billion (annual rate) fine levied on a major securities trader. Contributions for social insurance increased \$4½ billion after a \$6 billion increase in the second quarter, reflecting continued growth in incomes.

Expenditures declined \$8 billion, in contrast to a \$15 billion increase in the second quarter. Large declines in subsidies less the current surplus of government enterprises and in nondefense purchases were partly offset by increases in other categories. A \$13½ billion decline in subsidies less the current surplus of government enterprises included \$10½ billion in Government payments to farmers. In the second quarter, payments to farmers included large advance deficiency payments for the 1989 crop and disaster payments for the 1988 crop; no comparable payments were made in the third quarter. A \$9½ billion decline in non-defense purchases included \$8½ billion in net purchases of agricultural commodities by the Commodity Credit Corporation.

National defense purchases increased \$7 billion. The increase was accounted for by services other than compensation of employees (\$4 billion) and military equipment (\$3 billion). Transfer payments to persons increased \$6 billion, primarily because of growth in benefits for social security, medicare, and catastrophic medical insurance. All other expenditures, on balance, increased \$2 billion.

**Cyclically adjusted surplus or deficit.**—When measured using cyclical adjustments based on a 6-percent un-

employment rate trend GNP, the Federal deficit on the national income and product accounts basis increased from \$183.3 billion in the second quarter to \$186.5 billion in the third (see table 3 on page 19). The cyclically adjusted deficit as a percentage of the 6-percent unemployment rate trend GNP was 3.6 percent in both quarters.

*The State and local sector.*—The State and local government surplus declined \$3 billion to \$44½ billion, as expenditures increased more than receipts.

Receipts increased \$8 billion, compared with a \$10 billion increase in the second quarter. Personal tax and nontax payments increased \$2½ billion, compared with \$6 billion in the second quarter; most of the deceleration was attributable to indirect effects of the Tax Reform Act of 1986. Corporate profits tax accruals declined \$2½ billion, about the same as in the second quarter; both declines were attributable to declining profits. Indirect business tax and nontax accruals increased \$7 billion, compared with \$5½ billion in the second quarter; the acceleration was in sales taxes. All other receipts, on balance, increased \$1 billion.

Expenditures increased \$11 billion, about the same as in the second quarter. Purchases of goods and services increased \$9½ billion, slightly less than in the second quarter; a deceleration in fuel purchases was partly offset by an acceleration in purchases of structures. All other expenditures, on balance, increased \$1½ billion, slightly more than in the second quarter.

Table 2.—Government Sector Receipts and Expenditures

[Billions of dollars, seasonally adjusted at annual rates]

	Change from preceding quarter					Level 1989: III	
	1988		1989				
	III	IV	I	II	III		
<b>Government sector</b>							
Receipts .....	12.1	26.6	51.2	27.3	-2.2	1,675.2	
Expenditures .....	-4.2	75.7	28.0	26.5	2.9	1,778.2	
Surplus or deficit (-).....	16.2	49.2	23.2	.8	-5.2	-103.0	
<b>Federal Government</b>							
Receipts .....	4.1	17.3	41.6	17.0	-10.1	1,043.1	
Personal tax and nontax receipts .....	-6.0	8.9	26.5	18.2	-6.0	459.1	
Corporate profits tax accruals .....	2.4	1.8	1.2	-7.3	-10.0	99.7	
Indirect business tax and nontax accruals .....	1.5	.4	.2	.2	1.3	59.4	
Contributions for social insurance .....	6.3	6.1	13.8	5.8	4.7	424.8	
Expenditures .....	-14.9	62.4	21.5	14.9	-8.1	1,190.5	
Purchases of goods and services .....	-9.6	38.9	-7.4	6.9	-2.7	403.3	
National defense .....	-1.9	4.4	-1.8	2.6	6.9	308.2	
Nondefense .....	-7.6	34.5	-5.6	4.3	-9.6	95.1	
<i>Of which:</i> Commodity Credit Corporation inventory change .....	-4.4	30.0	-7.9	2.8	-8.7	-9.8	
Transfer payments .....	3.6	9.6	12.8	6.5	6.7	473.6	
To persons .....	2.1	3.0	19.5	6.9	5.9	461.6	
To foreigners .....	1.5	6.6	-6.7	-4	.8	12.0	
Grants-in-aid to State and local governments .....	-1.2	1.2	6.5	-3	-1	118.3	
Net interest paid .....	4.0	3.2	10.0	5.0	1.3	173.3	
Subsidies less current surplus of government enterprises .....	-11.8	9.6	-4	-3.2	-13.4	22.0	
Subsidies .....	-14.6	18.4	-1.7	-5.7	-10.2	18.3	
<i>Of which:</i> Agricultural subsidies .....	-15.0	18.1	-2.0	-6.0	-10.4	1.7	
Less: Current surplus of government enterprises .....	-2.8	8.8	-1.3	-2.5	3.1	-3.7	
Less: Wage accruals less disbursements .....							
Surplus or deficit (-).....	19.0	-45.1	20.1	2.1	-2.0	-147.4	
<b>State and local governments</b>							
Receipts .....	6.8	10.5	16.1	10.0	7.8	750.4	
Personal tax and nontax receipts .....	1.2	3.0	4.0	6.1	2.5	190.1	
Corporate profits tax accruals .....	.4	.2		-2.2	-2.5	22.7	
Indirect business tax and nontax accruals .....	5.5	5.2	4.8	5.5	6.9	362.2	
Contributions for social insurance .....	.8	.9	.8	.9	.9	57.1	
Federal grants-in-aid .....	-1.2	1.2	6.5	-3	-1	118.3	
Expenditures .....	9.5	14.6	13.0	11.3	10.9	706.0	
Purchases of goods and services .....	8.0	13.9	12.0	10.2	9.6	636.8	
<i>Of which:</i> Structures .....	-2.1	3.3	-1.3	-5	.5	71.6	
Transfer payments to persons .....	2.7	2.6	2.4	2.8	3.1	142.6	
Net interest paid .....	-.5	-.7	-.6	-.6	-.6	-43.0	
Less: Dividends received by government .....	.3	.3	.3	.3	.6	10.1	
Subsidies less current surplus of government enterprises .....	-.4	-1.0	-5	-8	-5	-20.4	
Subsidies .....						.8	
Less: Current surplus of government enterprises .....	.4	1.0	.5	.8	.6	21.1	
Less: Wage accruals less disbursements .....							
Surplus or deficit (-).....	-2.6	-4.1	3.1	-1.3	-3.2	44.3	
Social insurance funds .....	1.7	1.7	1.7	1.7	2.0	79.1	
Other .....	-4.4	-5.8	1.4	-3.0	-5.2	-34.8	

NOTE.—Dollar levels are found in tables 3.2 and 3.3 of the "Selected NIPA Tables."

# National Income and Product Accounts Tables

## Selected NIPA Tables

Revised estimates in this issue: Third quarter 1989, revised.

The selected set of 54 national income and product accounts (NIPA) tables shown in this section presents quarterly estimates, which are updated monthly. (In most of these tables, annual estimates are also shown.) The full set of 132 tables usually shown in July presents annual NIPA revisions. For more information on the presentation of the estimates, see "National Income and Product Accounts Estimates: When They are Released, Where They Are Available, and How They Are Presented" in the July 1988 SURVEY.

The full set of estimates for 1986-88 is in the July 1989 issue of the SURVEY; estimates for 1985 are in the July 1988 issue; estimates for 1984 are in the July 1987 issue; estimates for 1983 are in the July 1986 issue. Estimates for 1929-82 are in *National Income and Product Accounts, 1929-82: Statistical Tables* (GPO Stock No. 003-010-00174-7, price \$23.00). These publications are available from the Superintendent of Documents; see address on inside front cover.

The full set of NIPA tables is available on diskette for \$200 per year (12 updates, for the quarterly estimates prepared each month). For more information, write to the Bureau of Economic Analysis (BE-54), U.S. Department of Commerce, Washington, DC 20230.

**Table 1.1.—Gross National Product**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	4,524.3	4,880.6	4,838.5	4,926.9	5,017.3	5,113.1	5,201.7	5,278.9
Personal consumption expenditures <sup>1</sup> .....	3,010.8	3,235.1	3,204.9	3,263.4	3,324.0	3,381.4	3,444.1	3,513.2
Durable goods .....	421.0	455.2	454.6	452.5	467.4	466.4	471.0	488.5
Non durable goods .....	988.1	1,052.3	1,042.4	1,066.2	1,078.4	1,098.3	1,121.5	1,133.7
Services <sup>1</sup> .....	1,591.7	1,727.6	1,707.9	1,744.7	1,778.2	1,816.7	1,851.7	1,891.0
Gross private domestic investment .....	699.9	750.3	748.4	771.1	752.8	769.6	775.0	779.0
Fixed investment .....	670.6	719.6	719.1	726.5	734.1	742.0	747.6	752.1
Nonresidential .....	444.3	487.2	487.1	493.2	495.8	503.1	512.5	519.3
Structures .....	133.8	140.3	139.9	142.0	142.5	144.7	142.4	145.5
Producers' durable equipment .....	310.5	346.8	347.2	351.3	353.3	358.5	370.1	373.8
Residential .....	226.4	232.4	232.1	233.2	238.4	238.8	235.1	232.8
Change in business inventories .....	29.3	30.6	29.3	44.6	18.7	27.7	27.4	26.9
Nonfarm .....	30.5	34.2	30.4	41.5	40.8	19.1	23.6	19.0
Farm .....	-1.3	-3.6	-1.1	3.1	-22.2	8.6	3.8	7.9
Net exports of goods and services <sup>1</sup> .....	-112.6	-73.7	-74.9	-66.2	-70.8	-54.0	-50.6	-53.5
Exports <sup>1</sup> .....	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Imports <sup>1</sup> .....	561.2	621.3	607.5	623.0	650.5	659.6	676.6	676.8
Government purchases of goods and services .....	926.1	968.9	960.1	958.6	1,011.4	1,016.0	1,033.2	1,040.2
Federal .....	381.6	381.3	377.1	367.5	406.4	399.0	406.0	403.3
National defense .....	294.8	298.0	298.0	296.1	300.5	298.7	301.3	308.2
Nondefense .....	86.8	83.3	79.1	71.4	105.9	100.4	104.7	95.1
State and local .....	544.5	587.6	583.0	591.0	604.9	617.0	627.2	636.8

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

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

**Table 1.3.—Gross National Product by Major Type of Product**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	4,524.3	4,880.6	4,838.5	4,926.9	5,017.3	5,113.1	5,201.7	5,278.9
Final sales .....	4,495.0	4,850.0	4,809.2	4,882.3	4,998.7	5,085.4	5,174.3	5,252.0
Change in business inventories .....	29.3	30.6	29.3	44.6	18.7	27.7	27.4	26.9
Goods .....	1,785.2	1,931.9	1,917.4	1,955.8	1,987.4	2,030.9	2,079.1	2,105.0
Final sales .....	1,755.9	1,901.3	1,888.1	1,911.2	1,968.7	2,003.2	2,051.7	2,078.2
Change in business inventories .....	29.3	30.6	29.3	44.6	18.7	27.7	27.4	26.9
Durable goods .....	777.5	863.7	857.2	884.0	888.5	894.7	905.2	935.1
Final sales .....	755.5	838.6	840.2	842.6	856.5	872.8	899.2	931.3
Change in business inventories .....	22.1	25.0	17.0	41.4	32.0	22.0	6.0	3.8
Nondurable goods .....	1,007.6	1,068.3	1,060.2	1,071.8	1,098.9	1,136.2	1,173.9	1,169.9
Final sales .....	1,000.4	1,062.6	1,047.9	1,068.6	1,112.2	1,130.5	1,152.5	1,146.8
Change in business inventories .....	7.2	5.6	12.3	3.2	-13.3	5.7	21.4	23.1
Services .....	2,304.5	2,499.2	2,472.3	2,520.3	2,570.0	2,620.8	2,667.5	2,716.8
Structures .....	434.6	449.5	448.8	450.8	459.9	461.3	455.1	457.1

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

**Table 1.2.—Gross National Product in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Personal consumption expenditures <sup>1</sup> .....	2,513.7	2,598.4	2,586.8	2,608.1	2,627.7	2,641.0	2,653.7	2,694.1
Durable goods .....	389.6	413.6	414.8	410.7	420.5	419.3	424.9	438.3
Non durable goods .....	890.4	904.5	899.2	910.3	912.0	915.0	909.7	922.5
Services <sup>1</sup> .....	1,233.7	1,280.0	1,272.8	1,287.0	1,295.2	1,306.7	1,319.0	1,333.3
Gross private domestic investment .....	674.0	715.8	713.5	733.6	709.1	721.1	719.8	723.7
Fixed investment .....	650.3	687.9	692.0	696.1	690.8	696.6	700.7	702.5
Nonresidential .....	455.5	493.8	497.8	501.0	492.7	501.0	511.4	517.2
Structures .....	122.3	122.2	122.5	123.0	121.4	121.1	118.1	119.7
Producers' durable equipment .....	333.2	371.6	375.3	378.0	371.3	379.9	393.2	397.5
Residential .....	194.8	194.1	194.2	195.1	198.1	195.6	189.3	185.2
Change in business inventories .....	23.7	27.9	21.5	37.5	18.3	24.5	19.1	21.2
Nonfarm .....	25.8	30.7	25.4	37.2	31.9	16.9	19.5	15.3
Farm .....	-2.1	-2.8	-4.0	.3	-13.6	7.6	-.5	6.0
Net exports of goods and services <sup>1</sup> .....	-115.7	-74.9	-72.6	-74.9	-73.8	-55.0	-51.2	-63.6
Exports <sup>1</sup> .....	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Imports <sup>1</sup> .....	566.6	605.0	592.3	606.9	625.2	624.6	638.7	653.4
Government purchases of goods and services .....	781.8	785.1	783.0	775.9	806.4	799.7	810.3	806.0
Federal .....	339.6	328.9	327.9	319.8	343.9	335.5	343.6	336.6
National defense .....	265.2	261.5	262.5	258.8	261.6	254.4	255.8	260.4
Nondefense .....	74.4	67.4	65.4	61.0	82.3	81.1	87.8	76.1
State and local .....	442.1	456.2	455.1	456.1	462.5	464.2	466.7	469.4

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

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

**Table 1.4.—Gross National Product by Major Type of Product in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Final sales .....	3,830.0	3,996.5	3,989.2	4,005.2	4,051.0	4,082.3	4,113.5	4,139.0
Change in business inventories .....	23.7	27.9	21.5	37.5	18.3	24.5	19.1	21.2
Goods .....	1,669.0	1,771.6	1,767.9	1,782.3	1,789.4	1,823.2	1,843.9	1,857.5
Final sales .....	1,645.3	1,743.7	1,746.5	1,744.8	1,771.0	1,798.7	1,824.8	1,836.3
Change in business inventories .....	23.7	27.9	21.5	37.5	18.3	24.5	19.1	21.2
Durable goods .....	790.2	883.6	882.2	900.8	900.5	902.3	913.0	935.8
Final sales .....	770.6	860.9	866.8	863.4	872.4	884.2	908.0	932.7
Change in business inventories .....	19.6	22.7	15.3	37.3	28.1	18.1	5.0	3.2
Nondurable goods .....	878.8	888.0	885.8	881.5	888.9	920.9	930.9	921.7
Final sales .....	874.7	882.8	879.7	881.4	898.6	914.5	916.8	903.6
Change in business inventories .....	4.1	5.2	6.1	.1	-9.7	6.4	14.1	18.1
Services .....	1,803.7	1,873.5	1,862.5	1,880.8	1,896.7	1,905.1	1,919.9	1,936.2

**Table 1.5.—Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	4,524.3	4,880.6	4,838.5	4,926.9	5,017.3	5,113.1	5,201.7	5,278.9
Less: Exports of goods and services .....	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Plus: Imports of goods and services .....	561.2	621.3	607.5	623.0	650.5	659.6	676.6	676.8
Equals: Gross domestic purchases <sup>2</sup> .....	4,636.8	4,954.3	4,913.4	4,993.1	5,088.1	5,167.1	5,252.3	5,332.3
Less: Change in business inventories.....	29.3	30.6	29.3	44.6	18.7	27.7	27.4	26.9
Equals: Final sales to domestic purchasers <sup>3</sup> .....	4,607.6	4,923.7	4,884.1	4,948.5	5,069.5	5,139.4	5,224.9	5,305.5

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Purchases in the United States of goods and services wherever produced.

3. Final sales in the United States of goods and services wherever produced.

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

**Table 1.7.—Gross National Product by Sector**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	4,524.3	4,880.6	4,838.5	4,926.9	5,017.3	5,113.1	5,201.7	5,278.9
Gross domestic product.....	4,493.8	4,847.3	4,808.4	4,894.7	4,982.9	5,078.5	5,170.8	5,252.8
Business.....	3,851.5	4,153.5	4,121.2	4,194.7	4,271.1	4,347.2	4,426.7	4,494.4
Nonfarm .....	3,779.5	4,087.1	4,042.5	4,119.6	4,225.5	4,280.0	4,356.0	4,433.9
Nonfarm less housing.....	3,407.6	3,685.6	3,645.3	3,714.7	3,813.5	3,862.7	3,932.5	3,995.4
Housing .....	371.8	401.5	397.2	404.9	412.0	417.2	423.5	438.5
Farm .....	76.8	76.1	78.8	83.7	62.3	91.3	89.0	83.5
Statistical discrepancy .....	-4.7	-9.6	-1	-8.6	-16.6	-24.1	-18.3	-22.9
Households and institutions .....	169.3	188.0	185.1	190.8	195.5	201.2	207.1	214.4
Private households.....	9.2	9.4	9.3	9.4	9.5	9.5	9.6	9.7
Nonprofit institutions.....	160.1	178.7	175.8	181.4	186.0	191.7	197.5	204.7
Government.....	473.0	505.8	502.1	509.2	516.3	530.1	536.9	544.0
Federal.....	150.9	159.3	158.7	159.8	160.8	168.3	169.1	170.1
State and local .....	322.1	346.5	343.5	349.4	355.5	361.8	367.9	373.9
Rest of the world .....	30.5	33.3	30.0	32.3	34.5	34.5	31.0	26.0
<b>Addendum:</b>								
Gross domestic business product less housing .....	3,472.2	3,744.3						

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

**Table 1.6.—Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Less: Exports of goods and services .....	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Plus: Imports of goods and services .....	566.6	605.0	592.3	606.9	625.2	624.6	638.7	653.4
Equals: Gross domestic purchases <sup>2</sup> .....	3,969.4	4,099.3	4,083.3	4,117.6	4,143.2	4,161.8	4,183.7	4,223.8
Less: Change in business inventories.....	23.7	27.9	21.5	37.5	18.3	24.5	19.1	21.2
Equals: Final sales to domestic purchasers <sup>3</sup> .....	3,945.8	4,071.4	4,061.8	4,080.1	4,124.9	4,137.3	4,164.7	4,202.6

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Purchases in the United States of goods and services wherever produced.

3. Final sales in the United States of goods and services wherever produced.

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

**Table 1.7.—Gross National Product by Sector in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Gross domestic product .....	3,827.2	3,996.3	3,985.1	4,015.6	4,040.8	4,078.5	4,107.3	4,139.0
Business.....	3,328.9	3,482.9	3,474.1	3,499.7	3,521.7	3,555.7	3,580.7	3,608.3
Nonfarm .....	3,249.6	3,418.2	3,398.8	3,435.5	3,474.2	3,494.5	3,518.6	3,550.3
Nonfarm less housing.....	2,967.8	3,127.9	3,109.2	3,144.3	3,181.7	3,200.8	3,223.1	3,253.2
Housing .....	281.8	290.3	289.6	291.2	292.5	293.8	295.5	297.1
Farm .....	83.4	72.7	75.3	71.4	61.2	80.8	76.9	76.3
Statistical discrepancy .....	-4.1	-8.0	0	-7.2	-13.7	-19.7	-14.8	-18.4
Households and institutions .....	128.6	137.3	136.0	139.0	140.5	142.7	145.4	148.0
Private households.....	8.8	8.8	8.8	8.9	8.9	8.9	8.9	9.0
Nonprofit institutions.....	119.9	128.4	127.2	130.2	131.6	133.8	136.5	139.0
Government.....	369.6	376.1	375.0	376.8	378.6	380.1	381.2	382.7
Federal.....	123.6	125.2	124.7	125.3	126.0	126.4	126.5	127.0
State and local .....	246.0	250.9	250.3	251.5	252.7	253.7	254.7	255.7
Rest of the world .....	26.6	28.1	25.6	27.1	28.5	28.3	25.2	21.2
<b>Addendum:</b>								
Gross domestic business product less housing .....	3,038.0	3,183.7						

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

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

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	4,524.3	4,880.6	4,838.5	4,926.9	5,017.3	5,113.1	5,201.7	5,278.9
Less: Capital consumption allowances with capital consumption adjustment ..	486.7	513.6	510.2	515.2	524.1	533.0	541.0	565.6
Capital consumption allowances without capital consumption adjustment ..	507.1	526.4	525.2	528.9	531.3	532.7	533.6	544.8
Less: Capital consumption adjustment ..	20.4	12.8	15.0	13.6	7.1	-3	-7.3	-20.8
Equals: Net national product .....	4,037.6	4,367.1	4,328.2	4,411.7	4,493.2	4,580.1	4,660.8	4,713.3
Less: Indirect business tax and nontax liability .....	367.8	393.5	390.1	397.0	402.7	407.7	413.4	421.6
Business transfer payments .....	26.7	29.0	28.7	29.4	30.1	30.8	31.5	32.2
Statistical discrepancy .....	-4.7	-9.6	-1	-8.6	-16.6	-24.1	-18.3	-22.9
Plus: Subsidies less current surplus of government enterprises .....	17.6	18.5	24.0	11.8	20.4	19.5	15.5	1.6
Equals: National income .....	3,665.4	3,972.6	3,933.6	4,005.7	4,097.4	4,185.2	4,249.6	4,284.0
Less: Corporate profits with inventory valuation and capital consumption adjustments .....	298.7	328.6	325.3	330.9	340.2	316.3	307.8	292.3
Net interest .....	351.7	392.9	383.0	396.4	415.7	436.1	458.4	471.0
Contributions for social insurance .....	400.8	444.6	441.1	448.2	455.2	469.7	476.4	482.0
Wage accruals less disbursements .....	0	0	0	0	0	0	0	0
Plus: Government transfer payments to persons .....	521.5	555.7	553.2	558.0	563.7	585.6	595.3	604.2
Personal interest income .....	523.2	571.1	560.0	576.3	598.6	629.0	655.1	669.2
Personal dividend income .....	92.0	102.2	100.4	103.6	106.4	109.4	111.4	113.2
Business transfer payments .....	26.7	29.0	28.7	29.4	30.1	30.8	31.5	32.2
Equals: Personal income .....	3,777.6	4,064.5	4,026.6	4,097.6	4,185.2	4,317.8	4,400.3	4,457.5

**Table 1.10.—Relation of Gross National Product, Net National Product, and National Income in Constant Dollars**

	[Billions of 1982 dollars]							
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Less: Capital consumption allowances with capital consumption adjustment ..	460.8	480.2	477.5	482.7	488.1	493.5	498.9	518.6
Equals: Net national product .....	3,392.9	3,544.2	3,533.2	3,559.9	3,581.2	3,613.3	3,633.6	3,641.6
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises .....	317.9	327.8	326.3	329.2	331.2	331.3	331.8	335.7
Statistical discrepancy .....	-4.1	-8.0	0	-7.2	-13.7	-19.7	-14.8	-18.4
Equals: National income .....	3,079.0	3,224.5	3,206.9	3,237.9	3,263.7	3,301.6	3,316.6	3,324.3

**Table 1.11.—Command-Basis Gross National Product in Constant Dollars**

	[Billions of 1982 dollars]							
Gross national product .....	3,853.7	4,024.4	4,010.7	4,042.7	4,069.4	4,106.8	4,132.5	4,160.2
Less: Net exports of goods and services .....	-115.7	-74.9	-72.6	-74.9	-73.8	-55.0	-51.2	-63.6
Exports .....	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Imports .....	566.6	605.0	592.3	606.9	625.2	624.6	638.7	653.4
Equals: Gross domestic purchases .....	3,969.4	4,099.3	4,083.3	4,117.6	4,143.2	4,161.8	4,183.7	4,223.8
Plus: Command-basis net exports of goods and services .....	-113.6	-71.7	-73.1	-64.5	-68.0	-51.1	-47.7	-51.6
Command-basis exports <sup>1</sup> .....	452.9	533.3	519.3	542.4	557.2	573.5	590.9	601.8
Imports .....	566.6	605.0	592.3	606.9	625.2	624.6	638.7	653.4
Equals: Command-basis gross national product .....	3,855.8	4,027.5	4,010.2	4,053.1	4,075.2	4,110.7	4,136.0	4,172.2
Addendum:								
Terms of trade <sup>2</sup> .....	100.5	100.6	99.9	101.9	101.1	100.7	100.7	102.0

1. Exports of goods and services deflated by the implicit price deflator for imports of goods and services.  
2. Ratio of the implicit price deflator for exports of goods and services to the implicit price deflator for imports of goods and services with the decimal point shifted two places to the right.

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

**Table 1.14.—National Income by Type of Income**

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
National income .....	3,665.4	3,972.6	3,933.6	4,005.7	4,097.4	4,185.2	4,249.6	4,284.0
Compensation of employees .....	2,690.0	2,907.6	2,878.9	2,935.1	2,997.2	3,061.7	3,118.2	3,171.9
Wages and salaries .....	2,249.4	2,429.0	2,405.4	2,452.2	2,505.1	2,560.7	2,608.8	2,654.7
Government and government enterprises .....	419.2	446.5	443.1	449.6	456.3	466.9	473.5	480.2
Other .....	1,830.1	1,982.5	1,962.3	2,002.6	2,048.9	2,093.8	2,135.3	2,174.5
Supplements to wages and salaries .....	440.7	478.6	473.5	482.9	492.0	501.0	509.4	517.2
Employer contributions for social insurance .....	227.8	249.7	247.7	251.8	255.6	259.7	263.4	266.6
Other labor income .....	212.8	228.9	225.9	231.1	236.5	241.3	246.0	250.7
Proprietors' income with inventory valuation and capital consumption adjustments .....	311.6	327.8	331.8	327.0	328.3	359.3	355.5	343.6
Farm .....	41.6	39.8	45.4	37.7	32.0	59.0	51.3	36.3
Proprietors' income with inventory valuation adjustment .....	49.6	47.3	53.0	45.0	39.2	66.2	58.4	43.8
Capital consumption adjustment .....	-8.0	-7.5	-7.7	-7.4	-7.2	-7.1	-7.5	-7.5
Nonfarm .....	270.0	288.0	286.5	289.3	296.3	300.3	304.2	307.3
Proprietors' income .....	238.9	259.2	257.8	260.4	267.8	274.4	278.7	281.1
Inventory valuation adjustment .....	-1.0	-1.5	-1.8	-1.6	-1.3	-2.5	-1.9	0
Capital consumption adjustment .....	32.2	30.3	30.5	29.8	28.5	27.4	26.1	26.1
Rental income of persons with capital consumption adjustment .....	13.4	15.7	14.6	16.3	16.1	11.8	9.8	5.2
Rental income of persons .....	61.2	65.4	64.3	65.8	66.1	62.9	62.5	63.7
Capital consumption adjustment .....	-47.9	-49.8	-49.7	-49.6	-49.9	-51.1	-52.7	-58.5
Corporate profits with inventory valuation and capital consumption adjustments .....	298.7	328.6	325.3	330.9	340.2	316.3	307.8	292.3
Corporate profits with inventory valuation adjustment .....	247.8	281.8	276.4	284.1	298.7	279.7	275.5	266.0
Profits before tax .....	266.7	306.8	305.3	314.4	318.8	318.0	296.0	272.0
Profits tax liability .....	124.7	137.9	138.4	141.2	143.2	144.4	134.9	122.4
Profits after tax .....	142.0	168.9	166.9	173.2	175.6	173.6	161.1	149.5
Dividends .....	98.7	110.4	108.6	112.2	115.2	118.5	120.9	123.3
Undistributed profits .....	43.3	58.5	58.3	61.1	60.4	55.1	40.2	26.3
Inventory valuation adjustment .....	-18.9	-25.0	-28.8	-30.4	-20.1	-38.3	-20.5	-6.0
Capital consumption adjustment .....	50.9	46.8	48.9	46.9	41.5	36.6	32.3	26.3
Net interest .....	351.7	392.9	383.0	396.4	415.7	436.1	458.4	471.0
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments .....	174.0	190.7	187.0	189.7	196.9	171.9	172.9	169.9
Net cash flow with inventory valuation and capital consumption adjustments .....	378.4	402.0	397.4	400.7	411.5	388.6	391.7	396.8
Undistributed profits with inventory valuation and capital consumption adjustments .....	75.3	80.3	78.3	77.6	81.7	53.4	52.0	46.6
Capital consumption allowances with capital consumption adjustment .....	303.1	321.7	319.0	323.1	329.7	335.2	339.7	350.2
Less: Inventory valuation adjustment .....	-18.9	-25.0	-28.8	-30.4	-20.1	-38.3	-20.5	-6.0
Equals: Net cash flow .....	397.3	427.0	426.2	431.1	431.6	426.9	412.2	402.7

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

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III
Billions of dollars								
Gross domestic product of corporate business .....	2,719.4	2,955.0	2,927.1	2,982.8	3,048.6	3,078.6	3,126.1	3,168.6
Capital consumption allowances with capital consumption adjustment .....	303.1	321.7	319.0	323.1	329.7	335.2	339.7	350.2
Net domestic product .....	2,416.4	2,633.3	2,608.1	2,639.6	2,718.9	2,743.4	2,786.4	2,818.5
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	259.6	278.6	275.7	281.9	284.8	288.5	293.1	300.2
Domestic income .....	2,156.8	2,354.7	2,332.4	2,377.8	2,434.0	2,454.9	2,493.3	2,518.2
Compensation of employees .....	1,807.8	1,951.2	1,932.4	1,969.5	2,012.0	2,050.6	2,087.7	2,122.5
Wages and salaries .....	1,520.4	1,640.5	1,625.2	1,636.0	1,691.9	1,730.2	1,761.6	1,791.3
Supplements to wages and salaries .....	287.5	310.7	307.2	313.5	320.0	320.4	326.1	331.2
Corporate profits with inventory valuation and capital consumption adjustments .....	259.6	285.0	284.6	285.9	293.7	269.7	264.2	249.2
Profits before tax .....	227.6	263.2	264.6	269.3	272.3	271.5	252.4	228.9
Profits tax liability .....	124.7	137.9	138.4	141.2	143.2	144.4	134.9	122.4
Profits after tax .....	102.9	125.3	126.2	128.1	129.1	127.1	117.4	106.4
Dividends .....	82.8	84.2	78.1	95.9	87.2	102.0	96.8	98.8
Undistributed profits .....	20.1	41.1	48.2	32.3	41.9	25.0	20.6	7.7
Inventory valuation adjustment .....	-18.9	-25.0	-28.8	-30.4	-20.1	-38.3	-20.5	-6.0
Capital consumption adjustment .....	50.9	46.8	48.9	46.9	41.5	36.6	32.3	26.3
Net interest .....	89.3	118.6	115.4	122.4	128.4	134.5	141.4	146.5
Gross domestic product of financial corporate business .....	198.7	223.7	221.2	227.9	232.2	235.8	238.9	233.1
Gross domestic product of nonfinancial corporate business .....	2,520.7	2,731.3	2,705.9	2,754.9	2,816.4	2,842.7	2,887.2	2,935.5
Capital consumption allowances with capital consumption adjustment .....	281.7	297.1	295.1	298.1	303.6	308.4	312.2	322.1
Net domestic product .....	2,239.0	2,434.2	2,410.9	2,456.8	2,512.8	2,534.4	2,575.0	2,613.4
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	242.3	260.0	257.3	263.2	265.9	269.3	273.7	280.3
Domestic income .....	1,996.6	2,174.2	2,153.6	2,193.6	2,246.9	2,265.0	2,301.3	2,333.1
Compensation of employees .....	1,665.1	1,799.1	1,782.1	1,816.8	1,854.6	1,889.3	1,923.1	1,954.3
Wages and salaries .....	1,399.2	1,511.2	1,497.5	1,526.2	1,558.1	1,592.5	1,621.2	1,647.9
Supplements to wages and salaries .....	266.0	287.9	284.7	290.6	296.5	296.7	301.9	306.5
Corporate profits with inventory valuation and capital consumption adjustments .....	224.6	249.3	248.7	248.3	258.2	235.3	230.5	225.8
Profits before tax .....	197.2	233.4	234.9	237.7	242.2	242.2	223.8	210.5
Profits tax liability .....	93.1	105.4	106.6	107.4	109.4	110.6	100.6	94.3
Profits after tax .....	104.1	128.0	128.3	130.3	132.8	131.6	123.1	116.1
Dividends .....	81.4	83.0	77.4	92.6	86.4	98.3	93.7	95.8
Undistributed profits .....	22.7	45.0	50.9	37.7	46.5	33.3	29.4	20.4
Inventory valuation adjustment .....	-18.9	-25.0	-28.8	-30.4	-20.1	-38.3	-20.5	-6.0
Capital consumption adjustment .....	46.3	40.9	42.7	41.0	36.1	31.5	27.3	21.3
Net interest .....	106.9	125.8	122.7	128.5	134.0	140.4	147.6	152.9
Billions of 1982 dollars								
Gross domestic product of nonfinancial corporate business .....	2,282.6	2,419.5	2,408.9	2,434.1	2,453.2	2,459.1	2,471.3	2,496.6
Capital consumption allowances with capital consumption adjustment .....	269.7	279.3	278.0	280.6	283.2	285.9	288.8	296.7
Net domestic product .....	2,012.9	2,140.2	2,130.9	2,153.6	2,170.0	2,173.2	2,182.5	2,199.9
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	202.5	209.2	208.2	210.1	211.9	211.3	211.8	214.7
Domestic income .....	1,810.4	1,931.0	1,922.7	1,943.5	1,958.1	1,961.9	1,970.8	1,985.2

**Table 1.17.—Auto Output**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III
Auto output.....	119.2	129.9	132.5	136.6	132.0	134.5	131.7	136.4
Final sales .....	111.6	128.8	132.3	125.3	130.1	123.9	135.4	144.2
Personal consumption expenditures.....	131.7	144.2	145.7	140.9	146.6	142.7	144.5	153.0
New autos .....	93.5	101.2	101.2	98.8	102.4	99.8	101.1	110.8
New purchases of used autos .....	38.2	43.0	44.5	42.1	44.2	42.9	43.5	42.2
Producers' durable equipment.....	19.1	21.4	22.3	20.2	21.2	19.0	23.4	23.6
New autos .....	45.0	51.3	51.2	52.5	52.3	47.7	54.7	53.7
New purchases of used autos .....	-25.9	-29.9	-28.9	-32.3	-31.1	-28.7	-31.3	-30.1
Net exports of goods and services .....	-40.7	-38.4	-37.1	-37.1	-39.3	-39.5	-34.4	-33.9
Exports .....	7.2	8.7	7.9	9.5	9.2	9.7	8.7	9.1
Imports .....	47.9	47.1	45.0	46.7	48.5	49.2	43.1	43.0
Government purchases of goods and services.....	1.5	1.6	1.5	1.4	1.5	1.7	1.9	1.5
Change in business inventories of new and used autos .....	7.6	11.1	.1	11.3	1.9	10.5	-3.7	-7.8
New .....	6.8	.5	2.3	7.7	1.5	11.1	-3.9	-7.7
Used.....	.8	.6	-2.1	3.7	.4	-5	.2	-2
Addenda:								
Domestic output of new autos <sup>1</sup> .....	95.3	101.6	103.0	105.9	107.6	106.9	107.1	103.0
Sales of imported new autos <sup>2</sup> .....	55.1	60.8	62.0	60.2	58.5	57.2	60.4	62.8

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 government purchases.

**Table 1.18.—Auto Output in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III
Auto output.....	101.7	108.9	111.9	114.4	110.1	110.9	109.3	112.4
Final sales .....	95.6	108.6	111.9	105.0	109.5	103.2	111.5	119.8
Personal consumption expenditures.....	108.8	117.0	119.1	113.9	117.9	113.8	115.4	123.3
New autos .....	79.5	84.4	84.8	82.2	84.6	81.6	82.4	91.2
New purchases of used autos .....	29.3	32.7	34.4	31.7	33.4	32.2	33.0	32.1
Producers' durable equipment.....	16.2	18.3	18.9	17.3	18.1	16.2	19.5	20.0
New autos .....	38.3	42.8	42.9	43.7	43.2	39.0	44.6	44.2
New purchases of used autos .....	-22.1	-24.5	-24.0	-26.4	-25.1	-22.8	-25.0	-24.2
Net exports of goods and services .....	-30.8	-28.1	-27.4	-27.4	-27.9	-28.3	-25.1	-24.8
Exports .....	6.0	7.1	6.5	7.8	7.5	7.8	6.9	7.1
Imports .....	36.8	35.2	34.0	35.2	35.4	36.1	32.0	31.9
Government purchases of goods and services.....	1.3	1.4	1.3	1.2	1.4	1.4	1.6	1.3
Change in business inventories of new and used autos .....	6.1	.4	0	9.4	.6	7.7	-2.1	-7.4
New .....	5.4	-1	1.8	6.4	.3	8.2	-2.2	-7.2
Used.....	.7	.5	-1.8	2.9	.3	-5	.1	-2
Addenda:								
Domestic output of new autos <sup>1</sup> .....	81.1	84.5	86.2	88.1	88.6	86.9	87.1	83.7
Sales of imported new autos <sup>2</sup> .....	46.8	50.7	52.0	50.1	48.3	46.7	49.2	51.7

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 government purchases.

Table 1.19.—Truck Output

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Truck output <sup>1</sup>	59.7	66.3	65.2	63.8	71.2	70.3	68.1	62.9
Final sales	58.3	65.9	65.1	65.9	67.0	65.5	65.6	69.2
Personal consumption expenditures	27.7	29.2	28.9	29.1	29.8	30.3	29.8	34.0
Producers' durable equipment	32.6	36.7	35.8	36.6	38.9	35.7	36.5	36.2
Net exports of goods and services	-6.6	-5.6	-5.3	-5.3	-6.9	-6.3	-6.3	-6.3
Exports	3.7	3.8	3.7	3.9	3.7	3.9	3.1	3.5
Imports	10.3	9.5	9.0	9.2	10.5	10.2	9.4	9.8
Government purchases of goods and services	4.7	5.7	5.7	5.5	5.2	5.8	5.7	5.4
Change in business inventories	1.3	.4	.1	-2.1	4.2	4.8	2.6	-6.4

1. Includes new trucks only.

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Personal income	3,777.6	4,064.5	4,026.6	4,097.6	4,185.2	4,317.8	4,400.3	4,457.5
Wage and salary disbursements	2,249.4	2,429.0	2,405.4	2,452.2	2,505.1	2,560.7	2,608.8	2,654.7
Commodity-producing industries	649.9	696.3	690.8	701.6	714.7	726.6	733.7	742.8
Manufacturing	490.3	524.0	519.2	527.2	538.1	546.3	549.9	555.8
Distributive industries	531.9	571.9	568.0	578.0	587.5	598.8	610.8	619.5
Service industries	648.3	714.4	703.5	723.0	746.7	768.4	790.8	812.2
Government and government enterprises	419.2	446.5	443.1	449.6	456.3	466.9	473.5	480.2
Other labor income	212.8	228.9	225.9	231.1	236.5	241.3	246.0	250.7
Proprietors' income with inventory valuation and capital consumption adjustments	311.6	327.8	331.8	327.0	328.3	359.3	355.5	343.6
Farm	41.6	39.8	45.4	37.7	32.0	59.0	51.3	36.3
Nonfarm	270.0	288.0	286.5	289.3	296.3	300.3	304.2	307.3
Rental income of persons with capital consumption adjustment	13.4	15.7	14.6	16.3	16.1	11.8	9.8	5.2
Personal dividend income	92.0	102.2	100.4	103.6	106.4	109.4	111.4	113.2
Personal interest income	523.2	571.1	560.0	576.3	598.6	629.0	655.1	669.2
Transfer payments	548.2	584.7	581.8	587.4	593.8	616.4	626.8	636.4
Old-age, survivors, disability, and health insurance benefits	282.9	300.5	299.2	301.4	304.0	316.9	322.9	328.0
Government unemployment insurance benefits	14.5	13.0	13.1	12.9	12.5	13.5	14.1	14.4
Veterans' benefits	16.6	17.0	16.9	17.0	17.0	17.6	17.5	17.3
Government employees retirement benefits	76.4	82.7	83.0	82.8	83.7	86.9	88.1	88.9
Other transfer payments	157.9	171.5	169.6	173.2	176.5	181.5	184.2	187.7
Aid to families with dependent children	16.7	17.2	17.1	17.3	17.5	17.6	17.7	17.9
Other	141.2	154.3	152.5	155.9	159.0	163.9	166.4	169.7
Less: Personal contributions for social insurance	172.9	194.9	193.4	196.4	199.6	210.0	213.0	215.4
Less: Personal tax and nontax payments	571.7	586.6	590.7	585.9	597.8	628.3	652.6	649.1
Equals: Disposable personal income	3,205.9	3,477.8	3,435.9	3,511.7	3,587.4	3,689.5	3,747.7	3,808.4
Less: Personal outlays	3,104.1	3,333.1	3,301.9	3,362.1	3,424.0	3,483.8	3,547.0	3,617.3
Personal consumption expenditures	3,010.8	3,235.1	3,204.9	3,263.4	3,324.0	3,381.4	3,444.1	3,513.2
Interest paid by consumers to business	91.4	96.1	95.6	96.7	98.1	100.1	101.5	101.9
Personal transfer payments to foreigners (net)	1.9	1.9	1.5	1.9	1.9	2.2	1.4	2.2
Equals: Personal saving	101.8	144.7	134.0	149.6	163.4	205.7	200.7	191.1
Addenda:								
Disposable personal income:								
Total, billions of 1982 dollars	2,676.6	2,793.2	2,773.3	2,806.4	2,835.9	2,881.7	2,887.6	2,920.6
Per capita:								
Current dollars	13,140	14,116	13,966	14,235	14,504	14,884	15,084	15,286
1982 dollars	10,970	11,337	11,273	11,377	11,466	11,625	11,622	11,723
Population (mid-period, millions)	244.0	246.4	246.0	246.7	247.3	247.9	248.5	249.1
Personal saving as percentage of disposable personal income	3.2	4.2	3.9	4.3	4.6	5.6	5.4	5.0

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

## SURVEY OF CURRENT BUSINESS

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Table 1.20.—Truck Output in Constant Dollars

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Truck output <sup>1</sup>	50.9	55.7	55.4	53.8	58.3	57.0	55.4	51.3
Final sales	49.8	55.3	55.3	54.9	53.3	53.5	56.3	56.3
Personal consumption expenditures	23.5	24.6	24.4	24.5	24.8	24.4	24.4	27.8
Producers' durable equipment	27.9	30.8	30.5	30.7	31.6	29.0	29.6	29.3
Net exports of goods and services	-5.7	-4.7	-4.5	-4.5	-5.7	-5.1	-5.1	-5.2
Exports	3.2	3.2	3.1	3.3	3.0	3.2	2.5	2.8
Imports	8.8	7.9	7.7	7.7	8.7	8.3	7.6	8.0
Government purchases of goods and services	4.0	4.7	4.9	4.6	4.2	4.7	4.6	4.4
Change in business inventories	1.1	.3	.2	-1.6	3.3	3.7	1.9	-5.0

1. Includes new trucks only.

Table 2.2.—Personal Consumption Expenditures by Major Type of Product

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Personal consumption expenditures <sup>1</sup>	3,010.8	3,235.1	3,204.9	3,263.4	3,324.0	3,381.4	3,444.1	3,513.2
Durable goods	421.0	455.2	454.6	452.5	467.4	466.4	471.0	488.5
Motor vehicles and parts	195.5	211.6	212.5	208.4	215.3	211.7	212.9	227.8
Furniture and household equipment	149.1	162.0	162.7	166.1	172.1	173.5	173.9	173.9
Other	76.5	81.6	79.9	81.4	86.0	82.6	84.6	86.7
Nondurable goods	998.1	1,052.3	1,042.4	1,066.2	1,078.4	1,098.3	1,121.5	1,133.7
Food	529.2	559.7	554.5	567.8	574.1	587.3	592.2	599.8
Clothing and shoes	177.2	186.8	183.6	188.9	193.9	195.0	198.9	202.6
Gasoline and oil	75.2	76.8	76.9	78.3	77.6	77.9	89.5	85.0
Other nondurable goods	216.6	227.0	225.7	231.2	232.8	238.1	241.0	246.3
Fuel oil and coal	17.6	19.5	19.4	19.6	18.7	19.6	19.9	19.9
Other	199.0	209.5	208.1	211.6	213.1	219.4	221.4	226.4
Services <sup>1</sup>	1,591.7	1,727.6	1,707.9	1,744.7	1,778.2	1,816.7	1,851.7	1,891.0
Housing	467.7	501.3	496.6	505.0	513.0	520.2	527.7	537.9
Household operation	185.9	197.6	194.9	200.2	202.4	201.1	202.3	201.8
Electricity and gas	88.5	93.7	92.1	94.5	95.8	93.6	94.6	93.2
Other	97.4	104.0	102.8	105.7	106.6	107.5	107.7	108.6
Transportation	106.5	117.9	117.4	119.8	121.5	124.4	125.6	126.8
Medical care	357.7	398.3	391.3	404.7	417.4	432.3	445.1	459.1
Other <sup>1</sup>	473.9	512.4	507.7	514.9	523.9	538.7	551.0	565.4

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

Table 2.3.—Personal Consumption Expenditures by Major Type of Product in Constant Dollars

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Personal consumption expenditures <sup>1</sup>	2,513.7	2,598.4	2,586.8	2,608.1	2,627.7			



Table 3.9.—National Defense Purchases of Goods and Services

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
National defense purchases .....	294.8	298.0	298.0	296.1	300.5	298.7	301.3	308.2
Durable goods.....	89.8	83.9	83.7	83.7	85.1	82.7	82.8	85.2
Military equipment .....	77.5	72.9	72.5	73.0	74.3	72.9	72.2	75.3
Aircraft .....	33.9	29.3	29.1	27.9	30.5	27.7	26.0	26.1
Missiles .....	12.7	12.4	12.5	12.7	13.3	12.9	14.3	14.6
Ships .....	8.5	8.4	8.0	8.1	9.3	10.2	9.0	10.4
Vehicles .....	4.8	4.2	4.2	4.3	3.7	3.7	3.4	3.8
Electronic equipment .....	5.8	6.0	6.0	5.8	6.5	5.9	6.3	7.1
Other .....	11.7	12.5	12.6	14.2	10.9	12.5	13.1	13.3
Other durable goods .....	12.3	11.0	11.2	10.7	10.7	9.8	10.6	10.0
Nondurable goods .....	10.5	10.9	11.4	10.5	11.1	10.8	11.7	11.0
Petroleum products .....	4.2	4.4	4.4	4.3	4.7	4.6	4.6	4.4
Ammunition .....	3.8	3.9	4.6	3.5	3.8	3.6	4.2	3.9
Other nondurable goods .....	2.5	2.6	2.5	2.7	2.6	2.7	2.9	2.7
Services.....	187.3	196.1	195.5	194.7	197.4	198.8	200.5	205.3
Compensation of employees .....	108.9	113.2	112.9	113.0	113.7	119.1	119.4	120.0
Military .....	73.3	76.0	75.8	76.2	76.2	79.1	79.0	79.3
Civilian .....	35.6	37.2	37.1	36.9	37.6	40.0	40.4	40.7
Other services .....	78.3	82.9	82.6	81.7	83.6	79.8	81.2	85.3
Contractual research and development .....	28.5	30.7	30.2	30.3	31.4	29.8	30.2	31.2
Installation support <sup>1</sup> .....	22.2	23.8	23.9	23.4	23.6	22.3	22.8	25.1
Weapons support <sup>2</sup> .....	8.8	8.9	9.0	8.5	9.1	8.9	9.0	9.0
Personnel support <sup>3</sup> .....	11.3	11.8	11.9	11.9	11.7	11.4	11.6	12.8
Transportation of materiel .....	3.8	3.7	3.6	3.9	3.8	3.6	3.8	4.0
Travel of persons .....	3.8	4.0	3.9	3.9	3.9	3.7	3.9	3.9
Other .....	0	0	.1	-.3	.1	0	-.2	-.7
Structures .....	7.2	7.0	7.4	7.2	7.0	6.3	6.3	6.7
Military facilities .....	4.9	4.7	5.0	4.9	4.6	4.0	3.9	4.5
Other .....	2.4	2.4	2.4	2.3	2.4	2.2	2.4	2.2

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems, other than research and development.

3. Includes compensation of foreign personnel, consulting, training, and education.

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

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Receipts from foreigners <sup>1</sup> .....	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Exports of goods and services <sup>1</sup> .....	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Merchandise <sup>2</sup> .....	255.1	322.0	314.4	327.5	341.0	358.7	372.1	373.2
Durable goods <sup>2</sup> .....	161.8	206.8	201.4	208.5	221.3	231.4	239.1	247.6
Nondurable goods .....	93.3	115.2	113.0	119.0	119.7	127.2	133.0	125.6
Services <sup>1</sup> .....	193.5	225.7	218.1	229.3	238.6	246.9	254.0	250.1
Factor income <sup>3,4</sup> .....	96.6	116.7	111.3	118.1	125.5	131.9	136.2	129.5
Other <sup>5</sup> .....	97.0	108.9	106.9	111.2	113.2	115.1	117.8	120.6
Capital grants received by the United States (net) .....	0	0	0	0	0	0	0	0
Payments to foreigners <sup>6</sup> .....	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Imports of goods and services <sup>6</sup> .....	561.2	621.3	607.5	623.0	650.5	659.6	676.6	676.8
Merchandise <sup>2</sup> .....	412.4	449.0	439.5	448.8	468.8	469.8	480.0	481.7
Durable goods <sup>2</sup> .....	264.2	294.5	286.9	294.0	312.6	309.6	308.6	308.5
Nondurable goods .....	148.3	154.5	152.6	154.8	156.3	160.3	172.0	173.2
Services <sup>6</sup> .....	148.8	172.3	168.0	174.2	181.6	189.8	196.6	195.1
Factor income <sup>3</sup> .....	66.1	83.4	81.3	85.9	91.0	97.3	103.2	103.4
Other <sup>7</sup> .....	82.7	88.9	86.7	88.3	90.6	92.5	91.4	91.6
Transfer payments (net) .....	14.3	14.7	11.7	13.6	20.2	13.8	12.5	14.1
From persons (net) .....	1.9	1.9	1.5	1.9	1.9	2.2	1.4	2.2
From government (net) .....	12.4	12.9	10.2	11.7	18.2	11.5	11.1	12.0
Interest paid by government to foreigners .....	24.1	29.1	28.4	30.2	31.1	32.5	34.4	34.0
Net foreign investment .....	-150.9	-117.5	-115.0	-109.9	-122.0	-100.3	-97.5	-101.6

1. See footnote 5 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to "other" services.

3. Line 7 less line 16 equals rest-of-the-world product as shown in table 1.7.

4. Estimates beginning with the first quarter of 1986 exclude noninterest income of banks, which was reclassified to "other" services.

5. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover foreign students' expenditures in the United States; cover repairs and alterations of equipment; and cover noninterest income of banks.

6. See footnote 7 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

7. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover U.S. students' expenditures abroad; cover repairs and alterations of equipment.

Table 3.10.—National Defense Purchases of Goods and Services in Constant Dollars

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
National defense purchases .....	265.2	261.5	262.5	258.8	261.6	254.4	255.8	260.4
Durable goods .....	88.8	84.6	85.0	84.3	85.0	82.1	82.8	84.9
Military equipment .....	73.3	70.8	71.0	70.9	71.8	69.7	69.4	72.1
Aircraft .....	31.6	29.0	28.4	27.9	30.4	26.6	25.9	26.4
Missiles .....	12.8	13.5	14.2	13.6	14.1	14.4	15.5	15.4
Ships .....	7.4	7.1	6.7	6.7	7.8	8.4	7.3	8.4
Vehicles .....	5.1	4.5	4.6	4.6	3.9	4.0	3.6	4.1
Electronic equipment .....	5.5	5.6	5.7	5.4	6.0	5.4	5.7	6.4
Other .....	10.9	11.2	11.4	12.7	9.7	10.9	11.4	11.5
Other durable goods .....	15.5	13.8	14.1	13.4	13.2	12.4	13.4	12.9
Nondurable goods .....	14.5	14.3	14.7	13.4	14.7	13.9	14.5	14.0
Petroleum products .....	8.3	7.9	7.8	7.3	8.6	7.8	7.8	7.7
Ammunition .....	3.9	4.1	4.8	3.7	4.0	3.8	4.3	4.1
Other nondurable goods .....	2.3	2.2	2.1	2.3	2.2	2.3	2.4	2.2
Services .....	155.9	156.9	156.8	155.4	156.4	153.5	153.7	156.5
Compensation of employees .....	89.5	89.1	88.8	88.7	89.1	89.5	89.4	89.7
Military .....	60.5	60.0	59.8	59.9	59.8	59.7	59.5	59.6
Civilian .....	29.0	29.1	28.9	28.7	29.3	29.8	29.9	30.1
Other services .....	66.4	67.8	68.0	66.8	67.3	64.0	64.3	66.7
Contractual research and development .....	24.8	25.5	25.2	25.1	25.7	24.4	24.1	24.9
Installation support <sup>1</sup> .....	17.5	18.2	18.4	17.8	17.8	16.8	16.9	18.1
Weapons support <sup>2</sup> .....	7.7	7.6	7.7	7.3	7.6	7.4	7.5	7.3
Personnel support <sup>3</sup> .....	8.7	8.9	9.0	8.9	8.6	8.3	8.4	9.2
Transportation of materiel .....	4.1	3.9	3.8	4.2	3.9	3.6	3.9	4.1
Travel of persons .....	3.7	3.8	3.7	3.7	3.7	3.4	3.6	3.6
Other .....	0	0	.1	-.2	.1	0	-.1	-.5
Structures .....	6.0	5.7	6.0	5.8	5.4	4.8	4.7	5.0
Military facilities .....	4.0	3.7	4.1	3.9	3.5	3.0	2.9	3.3
Other .....	2.0	1.9	1.9	1.9	1.9	1.7	1.8	1.7

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems.

3. Includes compensation of foreign personnel, consulting, training, and education.

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Exports of goods and services <sup>1</sup> .....	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Merchandise <sup>2</sup> .....	285.7	344.3	339.0	344.1	358.6	372.5	386.9	393.5
Durable goods <sup>2</sup> .....	185.8	234.0	228.2	234.2	248.0	254.0	262.8	274.0
Nondurable goods .....</td								

**Table 4.3.—Merchandise Exports and Imports by Type of Product and by End-Use Category**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Merchandise exports <sup>1</sup>	255.1	322.0	314.4	327.5	341.0	358.7	372.1	373.2
Foods, feeds, and beverages	24.8	32.9	32.2	34.8	34.6	38.6	37.9	32.7
Industrial supplies and materials	66.3	83.0	81.7	85.2	86.4	92.6	99.0	97.3
Durable goods	20.3	27.9	27.8	28.6	30.2	32.5	34.0	34.5
Nondurable goods	46.0	55.1	53.9	56.6	56.3	60.1	65.0	62.8
Capital goods, except autos	87.7	112.4	109.3	112.9	119.7	123.4	129.3	139.5
Autos	27.5	32.5	31.1	31.9	34.3	35.5	34.4	33.4
Consumer goods	18.3	24.2	23.2	24.9	26.6	29.9	32.2	32.3
Durable goods	7.7	11.0	10.3	11.5	12.2	15.1	16.5	16.0
Nondurable goods	10.6	13.2	12.8	13.4	14.4	14.8	15.7	16.3
Other <sup>1</sup>	30.5	37.0	36.9	37.8	39.5	38.7	39.3	37.9
Durable goods <sup>1,2</sup>	18.5	23.1	22.9	23.6	24.9	25.0	24.9	24.1
Nondurable goods <sup>2</sup>	12.0	14.0	14.0	14.2	14.5	13.7	14.4	13.8
Merchandise imports <sup>1</sup>	412.4	449.0	439.5	448.8	468.8	469.8	480.0	481.7
Foods, feeds, and beverages	24.8	24.9	23.8	24.8	25.1	25.1	25.1	24.9
Industrial supplies and materials, excluding petroleum	65.9	76.4	74.2	76.3	80.6	80.2	78.1	76.9
Durable goods	35.0	40.9	39.3	40.1	44.1	43.5	42.5	41.6
Nondurable goods	30.8	35.6	35.0	36.2	36.5	36.6	35.6	35.3
Petroleum and products	42.9	39.3	41.0	39.1	36.9	43.4	53.8	53.2
Capital goods, except autos	85.1	101.8	101.0	102.7	107.1	108.7	113.9	113.6
Autos	85.2	87.9	85.3	87.0	93.0	91.3	84.8	84.6
Consumer goods	88.8	96.4	93.0	96.5	101.8	98.4	101.2	104.9
Durable goods	49.0	52.8	50.7	53.0	56.1	54.7	55.2	56.9
Nondurable goods	39.8	43.6	42.3	43.5	45.6	43.7	46.0	48.0
Other <sup>1</sup>	19.7	22.3	21.2	22.5	24.4	22.7	23.1	23.6
Durable goods <sup>1,2</sup>	9.8	11.2	10.6	11.2	12.2	11.4	11.5	11.8
Nondurable goods <sup>2</sup>	9.8	11.2	10.6	11.2	12.2	11.4	11.5	11.8
Addenda:								
Exports of agricultural products <sup>3</sup>	29.5	38.1	37.6	39.7	39.2	43.1	43.4	39.0
Exports of nonagricultural products	225.5	283.8	276.8	287.8	301.9	315.6	328.7	334.2
Imports of nonpetroleum products	369.5	409.7	398.5	409.7	432.0	426.4	426.3	428.5

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

3. Includes parts of line 2 and line 5.

NOTE.—Beginning with 1985, the definitions of the end-use categories have been changed. For a description of the new definitions, see the technical notes in "U.S. International Transactions, First Quarter 1988," SURVEY OF CURRENT BUSINESS 68 (June 1988): 34-39 and 57.

**Table 4.4.—Merchandise Exports and Imports by Type of Product and by End-Use Category in Constant Dollars**

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Merchandise exports <sup>1</sup>	285.7	344.3	339.0	344.1	358.6	372.5	386.9	393.5
Foods, feeds, and beverages	30.1	33.1	34.3	32.0	31.9	36.1	36.2	32.6
Industrial supplies and materials	69.4	79.7	79.0	80.5	81.8	88.7	94.1	93.9
Durable goods	21.3	26.8	27.0	28.5	31.2	32.3	33.0	
Nondurable goods	48.2	52.9	52.2	53.5	53.2	57.5	61.8	60.9
Capital goods, except autos	112.6	144.3	140.2	144.6	152.4	152.7	160.4	171.9
Autos	24.3	28.1	27.2	27.3	29.2	29.9	29.0	27.8
Consumer goods	17.1	21.7	20.9	22.3	23.6	26.0	28.0	
Durable goods	7.6	10.3	9.8	10.7	11.3	13.7	14.9	14.6
Nondurable goods	9.5	11.4	11.1	11.6	12.3	12.3	13.1	13.4
Other <sup>1</sup>	32.0	37.5	37.4	39.7	39.0	39.2	39.2	
Durable goods <sup>1,2</sup>	20.0	24.5	24.2	24.5	26.6	26.5	26.2	26.7
Nondurable goods <sup>2</sup>	12.0	13.0	13.2	13.1	12.5	13.1	12.6	
Merchandise imports <sup>1</sup>	440.5	467.1	456.5	468.3	483.4	477.4	487.5	504.9
Foods, feeds, and beverages	23.9	22.7	21.7	22.5	22.7	22.9	23.1	24.5
Industrial supplies and materials, excluding petroleum	73.5	73.7	71.9	72.7	75.1	72.7	71.2	71.6
Durable goods	39.3	39.5	38.2	38.3	41.1	39.4	38.8	39.2
Nondurable goods	34.3	34.2	33.7	34.4	34.0	33.3	32.4	32.4
Petroleum and products	78.2	86.2	84.9	86.4	90.3	87.9	91.6	99.4
Capital goods, except autos	102.1	121.2	120.4	123.6	124.8	129.5	138.8	143.7
Autos	67.8	66.4	64.8	65.7	68.8	67.4	63.2	62.8
Consumer goods	77.2	78.2	75.1	78.6	81.7	78.5	80.7	83.3
Durable goods	43.8	44.3	42.2	44.7	46.6	45.9	47.1	
Nondurable goods	33.3	33.9	32.9	33.8	35.1	33.3	34.8	36.2
Other <sup>1</sup>	17.8	18.7	17.8	18.9	20.0	18.6	19.0	19.5
Durable goods <sup>1,2</sup>	8.9	9.4	8.9	9.4	10.0	9.3	9.5	9.8
Nondurable goods <sup>2</sup>	8.9	9.4	8.9	9.4	10.0	9.3	9.5	9.8
Addenda:								
Exports of agricultural products <sup>3</sup>	34.9	37.6	38.8	36.2	36.2	40.1	40.7	37.5
Exports of nonagricultural products	250.7	306.7	300.2	307.9	322.3	332.4	346.2	356.0
Imports of nonpetroleum products	362.3	380.9	371.7	381.9	393.1	389.5	395.9	405.5

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

3. Includes parts of line 2 and line 5.

NOTE.—Beginning with 1985, the definitions of the end-use categories have been changed. For a description of the new definitions, see the technical notes in "U.S. International Transactions, First Quarter 1988," SURVEY OF CURRENT BUSINESS 68 (June 1988): 34-39 and 57.

**Table 5.1.—Gross Saving and Investment**

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Gross saving	553.8	642.4	633.4	669.8	647.4	693.5	695.8	700.3
Gross private saving	663.8	738.6	722.5	742.4	769.3	792.1	793.7	803.3
Personal saving	101.8	144.7	134.0	149.6	163.4	205.7	200.7	191.1
Undistributed corporate profits with inventory valuation and capital consumption adjustments	75.3	80.3	78.3	77.6	81.7	53.4	52.0	46.6
Undistributed profits	43.3	58.5	58.3	61.1	60.4	55.1	40.2	26.3
Inventory valuation adjustment	-18.9	-25.0	-28.8	-30.4	-20.1	-38.3	-20.5	-6.0
Capital consumption adjustment	50.9	46.8	48.9	46.9	41.5	36.6	32.3	26.3
Corporate capital consumption allowances with capital consumption adjustment	303.1	321.7	319.0	323.1	329.7	335.2	339.7	350.2
Noncorporate capital consumption allowances with capital consumption adjustment	183.6	191.9	191.2	192.1	194.4	197.8	201.3	215.4
Wage accruals less disbursements	0	0	0	0	0	0	0	0
Government surplus or deficit (-), national income and product accounts	-110.1	-96.1	-89.1	-72.7	-121.9	-98.7	-97.9	-103.0
Federal	-161.4	-145.8	-141.5	-122.5	-167.6	-147.5	-145.4	-147.4
State and local	51.3	49.7	52.4	49.8	45.7	48.8	47.5	44.3
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Gross investment	549.0	632.8	633.4	661.2	630.8	669.3	677.5	677.4
Gross private domestic investment	699.9	750.3	748.4	771.1	752.8	769.6	775.0	779.0
Net foreign investment	-150.9	-117.5	-115.0	-109.9	-122.0	-100.3	-97.5	-101.6
Statistical discrepancy	-4.7	-9.6	-1.1	-8.6	-16.6	-24.1	-18.3	-22.9

Table 5.8.—Change in Business Inventories by Industry

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Change in business inventories.....	29.3	30.6	29.3	44.6	18.7	27.7	27.4	26.9
Farm.....	-1.3	-3.6	-1.1	3.1	-22.2	8.6	3.8	7.9
Nonfarm.....	30.5	34.2	30.4	41.5	40.8	19.1	23.6	19.0
Change in book value.....	56.2	70.6	72.3	84.4	71.2	76.8	54.5	26.0
Inventory valuation adjustment <sup>1</sup> .....	-25.7	-36.4	-41.9	-42.8	-30.4	-57.8	-30.9	-7.0
Manufacturing.....	4.4	9.1	4.5	6.6	14.9	4.5	9.8	16.1
Durable goods.....	3.3	8.7	3.0	7.5	14.6	10.2	5.3	10.5
Nondurable goods.....	1.2	4.4	-5	-9	3	-5.7	4.5	5.6
Wholesale trade.....	5.7	8.9	4.2	9.7	4.5	-4.6	6.1	3.3
Durable goods.....	3.8	7.3	-4.3	16.1	2.2	1.2	6.9	4.2
Nondurable goods.....	1.9	1.6	8.5	-6.3	2.3	-5.9	-9	-8
Merchant wholesalers.....	5.7	7.7	4.9	7.4	2.4	-4.1	6.4	.7
Durable goods.....	3.5	6.0	-4.1	14.1	-2	1.7	7.7	1.9
Nondurable goods.....	2.2	1.7	9.1	-6.7	2.6	-5.8	-1.3	-1.2
Nonmerchant wholesalers.....	0	1.2	-8	2.3	2.1	-5	-4	2.7
Durable goods.....	.3	1.3	-2	1.9	2.4	-4	-8	2.2
Nondurable goods.....	-3	-1	-6	4	-3	-1	4	.4
Retail trade.....	16.8	8.3	13.9	15.1	13.6	9.9	3.1	-5.4
Durable goods.....	13.2	6.1	13.4	14.2	11.4	7.3	-3.4	-11.7
Automotive.....	9.2	3.1	11.5	10.0	7.7	10.6	-3.6	-15.0
Other.....	4.0	3.1	1.8	4.2	3.7	-3.3	-1.8	3.3
Nondurable goods.....	3.7	2.1	.6	.9	2.1	2.6	8.4	6.3
Other.....	3.6	7.9	7.7	10.1	7.9	9.3	4.6	5.0
Durable goods.....	1.8	2.9	2.9	3.6	3.8	3.3	-9	.8
Nondurable goods.....	1.8	5.0	4.9	6.4	4.1	6.0	5.5	4.2

1. 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 book value inventories derived primarily from Census Bureau statistics. This mix differs from that underlying business income derived primarily from Internal Revenue Service statistics.

Table 5.10.—Inventories and Final Sales of Business by Industry

[Billions of dollars]

		Seasonally adjusted quarterly totals					
		1988			1989		
		II	III	IV	I	II	III'
Inventories <sup>1</sup> .....	962.0	985.3	1,004.0	1,026.6	1,033.9	1,041.6	
Farm.....	75.0	77.6	75.7	78.2	77.4	77.7	
Nonfarm.....	887.0	907.7	928.3	948.4	956.5	963.9	
Durable goods.....	520.3	535.5	549.5	561.8	564.3	568.1	
Nondurable goods.....	366.7	372.2	378.7	386.6	392.2	395.7	
Manufacturing.....	354.9	360.8	368.6	376.5	378.2	383.0	
Durable goods.....	236.1	240.5	246.9	253.2	254.0	257.8	
Nondurable goods.....	118.7	120.4	121.7	123.4	124.1	125.2	
Wholesale trade.....	210.1	215.7	218.6	221.6	223.8	225.4	
Durable goods.....	133.3	138.6	140.7	142.9	145.2	147.1	
Nondurable goods.....	76.8	77.1	77.9	78.7	78.6	78.2	
Merchant wholesalers.....	184.0	188.9	191.0	193.1	195.4	196.3	
Durable goods.....	117.7	122.4	123.7	125.8	128.3	129.5	
Nondurable goods.....	66.3	66.5	67.3	67.4	67.1	66.7	
Nonmerchant wholesalers.....	26.0	26.8	27.6	28.5	28.4	29.1	
Durable goods.....	15.6	16.2	17.0	17.1	16.9	17.6	
Nondurable goods.....	10.5	10.6	10.6	11.3	11.5	11.5	
Retail trade.....	212.5	218.2	223.7	229.0	231.3	230.9	
Durable goods.....	108.1	112.3	116.2	119.0	118.3	115.9	
Automotive.....	54.0	56.9	59.4	62.3	61.5	58.0	
Other.....	54.0	55.4	56.8	56.7	56.8	57.9	
Nondurable goods.....	104.5	105.9	107.4	110.0	113.0	114.9	
Other.....	109.5	113.0	117.4	121.2	123.3	124.7	
Final sales <sup>2</sup> .....	341.0	345.8	354.4	360.0	366.6	372.3	
Final sales of goods and structures <sup>2</sup> .....	194.7	196.8	202.4	205.4	208.9	211.3	
Ratio of inventories to final sales							
Inventories to final sales.....	2.82	2.85	2.83	2.85	2.82	2.80	
Nonfarm inventories to final sales.....	2.60	2.62	2.62	2.63	2.61	2.59	
Nonfarm inventories to final sales of goods and structures.....	4.55	4.61	4.59	4.62	4.58	4.56	

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 GNP. 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. Business final sales equals final sales less gross product of households and institutions, government, and rest of the world, and includes a small amount of final sales by farms.

Table 5.9.—Change in Business Inventories by Industry in Constant Dollars

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Change in business inventories.....	23.7	27.9	21.5	37.5	18.3	24.5	19.1	21.2
Farm.....	-2.1	-2.8	-4.0	.3	-13.6	7.6	-5	6.0
Nonfarm.....	25.8	30.7	25.4	37.2	31.9	16.9	19.5	15.3
Manufacturing.....	3.3	8.5	4.2	5.8	12.2	3.8	8.3	13.2
Durable goods.....	2.7	8.2	5.0	7.4	13.2	8.3	4.1	8.8
Nondurable goods.....	.7	.3	-.8	-1.6	-1.0	-4.5	4.2	4.3
Wholesale trade.....	4.4	8.5	2.8	9.8	1.9	-2.4	4.5	2.0
Durable goods.....	3.4	6.6	-.9	14.3	1.9	1.0	6.2	3.4
Nondurable goods.....	1.0	1.9	6.7	-4.5	0	-3.4	-1.7	-1.4
Merchant wholesalers.....	4.7	7.5	4.1	7.4	.4	-2.1	5.2	-3
Durable goods.....	3.2	5.4	-.7	12.5	-.3	1.5	7.0	1.4
Nondurable goods.....	1.5	2.1	7.8	-5.2	.7	-3.5	-1.7	-1.7
Nonmerchant wholesalers.....	-.3	1.0	-1.3	2.5	1.5	-4	-8	2.3
Durable goods.....	.3	1.2	-.2	1.8	2.2	-5	-8	2.0
Nondurable goods.....	-.5	-3	-1.1	.7	-7	.1	0	.3
Retail trade.....	15.1	7.3	12.2	13.3	11.6	8.4	2.6	-4.5
Durable goods.....	11.8	5.4	11.7	12.5	9.8	6.1	-4.6	-9.8
Automotive.....	8.1	2.6	10.0	8.6	6.6	9.0	-3.0	-12.7
Other.....	3.7	2.8	1.7	3.9	3.2	-2.9	-1.5	2.9
Nondurable goods.....	3.3	1.9	.5	.8	1.9	2.3	7.2	5.3
Other.....	2.9	6.5	6.2	8.3	6.2	7.1	4.1	4.6
Durable goods.....	1.7	2.5	2.5	3.1	2.2	2.7	-8	.7
Nondurable goods.....	1.2	4.0	3.7	5.2	3.0	4.4	4.9	3.9

Table 5.11.—Inventories and Final Sales of Business by Industry in Constant Dollars

[Billions of 1982 dollars]

		Seasonally adjusted quarterly totals					
		1988			1989		
		II	III	IV	I	II	III'
Inventories <sup>1</sup> .....	876.5	885.9	890.5	896.6	901.4	906.7	
Farm.....	71.1	71.2	67.8	69.7	69.6	71.1	
Nonfarm.....	805.4	814.7	822.7	826.9	831.8	835.6	
Durable goods.....	460.3	469.6	476.7	481.2	482.4	483.2	
Nondurable goods.....	345.1	345.1	346.0	345.7	349.4	352.4	
Manufacturing.....	322.8	324.3	327.3	328.3	330.4	333.6	
Durable goods.....	210.2	212.1	215.4	217.5	218.5	220.7	
Nondurable goods.....	112.6	112.2	111.9	110.8	111.9	113.0	
Wholesale trade.....	190.6	193.0	193.5	192.9	194.0	194.5	
Durable goods.....	117.7	121.3	121.8	122.0	123.6	124.4	
Nondurable goods.....	72.8	71.7	71.7	70.9	70.4	70.1	
Merchant wholesalers.....	165.1	166.9	167.0	166.5	167.8	167.7	
Durable goods.....	104.0	107.1	107.0	107.4	109.1	109.5	
Nondurable goods.....	61.1	59.8	60.0	59.1	58.7	58.2	
Nonmerchant wholesalers.....	25.5	26.1	26.5	26.4	26.2	26.8	
Durable goods.....	13.7	14.2	14.7	14.6	14.4	14.9	
Nondurable goods.....	11.7	11.9	11.7	11.8	11.8	11.8	
Retail trade.....	187.4	190.7	193.6	195.7	196.4	195.3	
Durable goods.....	95.3	98.4	100.8	102.3	101.2	98.8	
Automotive.....	46.8	48.9	50.6	52.8	52.0	48.9	
Other.....	48.5	49.5	50.3	49.5	49.2	49.9	</

Table 5.12.—Fixed Investment by Type

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Fixed investment.....	670.6	719.6	719.1	726.5	734.1	742.0	747.6	752.1
Nonresidential.....	444.3	487.2	487.1	493.2	495.8	503.1	512.5	519.3
Structures.....	133.8	140.3	139.9	142.0	142.5	144.7	142.4	145.5
Nonresidential buildings, excluding farm.....	92.6	97.8	98.9	98.7	97.9	101.3	98.5	100.5
Public utilities.....	24.6	26.1	24.6	26.8	28.6	28.8	28.5	28.4
Mining exploration, shafts, and wells.....	11.5	12.0	12.2	12.3	11.0	9.7	9.9	10.7
Other.....	5.1	4.5	4.2	4.1	4.9	4.8	5.5	5.9
Producers' durable equipment.....	310.5	346.8	347.2	351.3	353.3	358.5	370.1	373.8
Information processing and related equipment.....	104.2	114.7	116.0	116.9	115.1	117.8	122.7	122.0
Industrial equipment.....	71.1	81.9	80.5	83.0	87.8	92.2	90.7	91.9
Transportation and related equipment.....	67.6	76.3	76.7	77.4	76.7	72.2	77.6	79.8
Other.....	67.6	73.9	74.0	74.0	73.7	76.3	79.7	80.2
Residential.....	226.4	232.4	232.1	233.2	238.4	238.8	235.1	232.8
Single-family structures.....	114.4	116.5	116.6	115.1	119.2	121.5	114.8	112.4
Multifamily structures.....	26.6	23.3	22.7	23.1	23.4	24.1	25.0	24.1
Other.....	85.4	92.6	92.8	95.0	95.8	93.2	95.3	96.3

Table 6.3B.—National Income Without Capital Consumption Adjustment by Industry

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
National income without capital consumption adjustment.....	3,638.3	3,952.8	3,911.7	3,985.2	4,083.4	4,178.4	4,249.8	4,297.5
Domestic industries.....	3,607.8	3,919.5	3,881.7	3,953.0	4,048.9	4,143.9	4,218.9	4,271.5
Private industries.....	3,078.5	3,352.6	3,318.9	3,382.0	3,470.1	3,549.6	3,616.8	3,661.2
Agriculture, forestry, and fisheries.....	90.8	90.4	96.1	88.0	82.5	109.5	102.7	.....
Mining.....	30.5	34.4	34.5	34.8	33.9	35.0	37.2	.....
Construction.....	197.2	211.2	210.4	213.2	217.4	220.5	221.6	.....
Manufacturing.....	718.7	788.6	781.1	789.9	816.1	817.1	818.2	.....
Durable goods.....	422.9	455.0	453.6	457.4	469.2	469.9	466.7	.....
Nondurable goods.....	295.8	333.6	327.5	332.6	346.9	347.2	351.5	.....
Transportation and public utilities.....	278.7	300.2	298.1	304.7	311.1	314.5	321.4	.....
Transportation.....	120.0	131.1	131.0	133.6	134.9	137.1	140.0	.....
Communication.....	80.6	83.6	83.1	84.5	85.7	87.8	90.0	.....
Electric, gas, and sanitary services.....	78.1	85.5	84.0	86.5	90.6	89.7	91.4	.....
Wholesale trade.....	214.9	234.5	229.2	236.5	244.9	244.7	251.6	.....
Retail trade.....	313.3	335.6	333.1	338.5	344.2	346.6	353.9	.....
Finance, insurance, and real estate.....	520.0	568.8	558.1	576.4	594.5	613.3	633.3	.....
Services.....	714.4	789.0	778.2	800.0	825.5	848.3	876.9	.....
Government and government enterprises.....	529.3	566.9	562.8	571.0	578.8	594.3	602.0	610.2
Rest of the world.....	30.5	33.3	30.0	32.3	34.5	34.5	31.0	26.0

Table 5.13.—Fixed Investment by Type in Constant Dollars

[Billions of 1982 dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Fixed investment.....	650.3	687.9	692.0	696.1	690.8	696.6	700.7	702.5
Nonresidential.....	455.5	493.8	497.8	501.0	492.7	501.0	511.4	517.2
Structures.....	122.3	122.2	122.5	123.0	121.4	121.1	118.1	119.7
Nonresidential buildings, excluding farm.....	77.1	78.7	79.9	79.3	78.1	79.8	76.6	77.1
Public utilities.....	22.5	22.6	21.4	23.0	24.2	24.5	24.0	23.7
Mining exploration, shafts, and wells.....	18.2	17.2	17.6	17.3	15.0	12.9	13.1	14.2
Other.....	4.4	3.7	3.5	3.4	4.1	3.9	4.5	4.7
Producers' durable equipment.....	333.2	371.6	375.3	378.0	371.3	379.9	393.2	397.5
Information processing and related equipment.....	152.9	174.2	177.7	178.6	172.2	180.3	189.1	190.7
Industrial equipment.....	61.9	68.4	67.6	69.5	72.0	74.9	73.5	73.7
Transportation and related equipment.....	58.9	65.7	66.5	66.7	64.7	60.7	64.8	66.9
Other.....	59.6	63.3	63.4	63.2	62.4	63.9	65.7	66.1
Residential.....	194.8	194.1	194.2	195.1	198.1	195.6	189.3	185.2
Single-family structures.....	97.4	96.2	96.7	95.3	97.9	98.3	91.1	87.9
Multifamily structures.....	22.7	19.3	18.8	19.1	19.2	19.5	19.8	18.9
Other.....	74.7	78.6	78.7	80.7	80.9	77.8	78.4	78.5

Table 6.18B.—Corporate Profits by Industry

[Billions of dollars]

	1987	1988	Seasonally adjusted at annual rates					
			1988			1989		
			II	III	IV	I	II	III'
Corporate profits with inventory valuation and capital consumption adjustments.....	298.7	328.6	325.3	330.9	340.2	316.3	307.8	292.3
Domestic industries.....	259.6	285.0	284.6	285.9	293.7	269.7	264.2	249.2
Financial.....	35.0	35.7	35.9	37.5	35.5	34.4	33.6	23.4
Nonfinancial.....	224.6	249.3	248.7	248.3	258.2	235.3	230.5	225.8
Rest of the world.....	39.1	43.7	40.7	45.1	46.5	46.6	43.6	43.1
Corporate profits with inventory valuation adjustment.....	247.8	281.8	276.4	284.1	298.7	279.7	275.5	266.0
Domestic industries.....	208.7	238.2	235.8	239.0	252.2	233.1	231.8	222.9
Financial.....	30.5	29.8	29.7	31.6	30.1	29.3	28.6	18.4
Federal Reserve banks.....	16.0	18.1	17.4	18.3	19.3	20.3	21.2	20.4
Other.....	14.5	11.7	12.3	13.3	10.8	9.0	7.4	-2.0
Nonfinancial.....	178.2	208.4	206.1	207.3	222.1	203.9	203.2	204.5
Manufacturing.....	76.6	98.4	98.2	95.1	105.5	96.5	90.3	.....
Durable goods.....	34.4	38.1	41.3	38.3	39.8	35.6	31.5	.....
Primary metal industries.....	3.6	6.4	6.6	6.8	7.4	6.5	6.6	.....
Fabricated metal products.....	5.0	6.1	6.5	4.8	5.9	7.2	6.7	.....
Machinery, except electrical.....	3.4	4.8	6.7	6.0	2.1	2.0	2.8	.....
Electric and electronic equipment.....	3.4	4.6	4.8	5.8	6.6	4.4	5.1	.....
Motor vehicles and equipment.....	3.2	2.4	1.0	3.2	4.5	3.0	-1.9	.....
Other.....	15.8	13.8	15.6	11.8	13.4	12.4	12.2	.....
Nondurable goods.....	42.2	60.3	57.0	56.8	65.7	60.9	58.8	.....
Food and kindred products.....	12.2	15.7	15.5	14.9	17.2	17.4	14.8	.....
Chemicals and allied products.....	10.5	17.4	15.9	15.6	22.0	18.5	18.1	.....
Petroleum and coal products.....	-1.9	3.7	1.6	3.8	5.3	1.2	1.0	.....
Other.....	21.4	23.5	24.0	22.5	21.2	23.8	24.9	.....
Transportation and public utilities.....	34.6	39.3	39.2	40.8	43.5	41.6	40.8	.....
Wholesale and retail trade.....	41.1	40.1	37.3	39.2	41.8	34.1	36.9	.....
Other.....	25.9	30.6	31.3	32.2	31.3	31.7	35.2	.....
Rest of the world.....	39.1	43.7	40.7	45.1	46.5	46.6	43.6	43.1

**Table 7.1.—Fixed-Weighted Price Indexes for Gross National Product, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	119.1	124.1	123.3	124.9	126.2	127.7	129.3	130.2
Personal consumption expenditures .....	120.7	125.9	125.1	126.6	128.1	129.6	131.6	132.3
Durable goods .....	110.3	112.9	112.4	113.2	114.1	114.7	114.7	115.2
Non durable goods .....	112.6	117.2	116.6	118.1	119.4	121.0	124.5	124.3
Services .....	129.4	135.5	134.7	136.2	138.1	139.8	141.1	142.6
Gross private domestic investment .....								
Fixed investment .....	107.8	111.3	111.0	111.5	112.7	114.1	115.2	116.2
Nonresidential .....	105.4	109.0	108.6	109.3	110.5	111.8	112.6	113.5
Structures .....	101.7	107.1	106.5	107.9	109.1	110.5	111.6	112.8
Producers' durable equipment .....	107.8	110.2	109.9	110.2	111.5	112.7	113.3	114.0
Residential .....	113.9	119.5	119.3	119.3	120.1	121.8	123.9	125.4
Change in business inventories .....								
Net exports of goods and services .....								
Exports .....	105.6	111.2	110.0	112.6	113.3	113.7	114.6	114.4
Imports .....	101.2	106.3	106.1	106.2	107.3	109.5	111.1	109.8
Government purchases of goods and services .....	119.6	125.1	124.4	125.9	126.9	129.4	130.5	131.4
Federal .....	113.3	117.9	117.4	118.7	119.3	122.3	122.7	123.0
National defense .....	113.8	117.9	117.7	118.3	119.0	122.0	122.5	122.6
Nondefense .....	112.0	118.0	116.7	119.7	120.0	123.0	123.2	124.2
State and local .....	124.3	130.4	129.6	131.2	132.6	134.7	136.2	137.6
Addenda:								
Final sales .....	118.9	124.0	123.2	124.8	126.1	127.6	129.2	130.1
Personal consumption expenditures, food .....	117.2	122.2	121.0	123.5	124.9	126.6	129.0	129.9
Personal consumption expenditures, energy .....	91.7	92.4	92.3	92.8	92.9	94.0	100.6	98.2
Other personal consumption expenditures .....	125.2	131.0	130.3	131.5	133.3	134.8	136.1	137.2

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

**Table 7.2.—Fixed-Weighted Price Indexes for Gross National Product by Major Type of Product, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	119.1	124.1	123.3	124.9	126.2	127.7	129.3	130.2
Final sales .....	118.9	124.0	123.2	124.8	126.1	127.6	129.2	130.1
Change in business inventories .....								
Goods .....	111.0	115.1	114.3	116.2	117.3	118.1	120.0	120.3
Final sales .....	110.8	115.0	114.1	116.0	117.1	118.0	119.8	120.1
Change in business inventories .....								
Durable goods .....	107.1	108.2	107.8	108.7	109.1	109.9	110.6	111.2
Final sales .....	107.0	108.3	107.9	108.7	109.2	110.1	110.8	111.3
Change in business inventories .....								
Nondurable goods .....	113.7	119.8	118.6	121.3	122.8	123.6	126.3	126.4
Final sales .....	113.5	119.5	118.4	121.0	122.5	123.4	126.1	126.2
Change in business inventories .....								
Services .....	127.9	133.7	133.0	134.4	136.0	138.0	139.4	140.7
Structures .....	109.1	113.7	113.2	114.2	115.2	116.8	118.2	119.5

**Table 7.3.—Fixed-Weighted Price Indexes for Relation of Gross National Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	119.1	124.1	123.3	124.9	126.2	127.7	129.3	130.2
Less: Exports of goods and services .....	105.6	111.2	110.0	112.6	113.3	113.7	114.6	114.4
Plus: Imports of goods and services .....	101.2	106.3	106.1	106.2	107.3	109.5	111.1	109.8
Equals: Gross domestic purchases <sup>1</sup> .....	118.7	123.7	123.0	124.3	125.7	127.4	129.1	129.9
Less: Change in business inventories .....								
Equals: Final sales to domestic purchasers <sup>2</sup> .....	118.6	123.5	122.9	124.2	125.6	127.3	128.9	129.7

1. Purchases in the United States of goods and services wherever produced.

2. Final sales in the United States of goods and services wherever produced.

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

**Table 7.4.—Implicit Price Deflators for Gross National Product**  
[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	117.4	121.3	120.6	121.9	123.3	124.5	125.9	126.9
Personal consumption expenditures .....	119.8	124.5	123.9	125.1	126.5	128.0	129.8	130.4
Durable goods .....	108.1	110.1	109.6	111.2	111.2	110.8	111.4	
Non durable goods .....	112.1	116.3	115.9	117.1	118.2	120.0	123.3	122.9
Services .....	129.0	134.9	134.2	135.6	137.3	139.0	140.4	141.8
Gross private domestic investment .....								
Fixed investment .....	103.1	104.6	103.9	104.4	106.3	106.5	106.7	107.1
Nonresidential .....	97.5	98.7	97.8	98.4	100.6	100.4	100.2	100.4
Structures .....	109.4	114.9	114.2	115.4	117.3	119.5	120.6	121.5
Producers' durable equipment .....	93.2	93.3	92.5	92.9	95.2	94.4	94.1	94.0
Residential .....	116.2	119.7	119.5	119.6	120.4	122.1	124.2	125.7
Change in business inventories .....								
Net exports of goods and services .....								
Exports .....	99.5	103.3	102.5	104.7	105.1	106.3	106.6	105.7
Imports .....	99.0	102.7	102.6	102.7	104.0	105.6	105.9	103.6
Government purchases of goods and services .....	118.5	123.4	122.6	123.5	125.4	127.1	127.5	129.1
Federal .....	112.4	115.9	115.0	114.9	118.2	118.9	118.2	119.8
National defense .....	111.1	114.0	113.5	114.4	114.9	117.4	117.8	118.4
Nondefense .....	116.7	123.6	121.0	117.1	128.7	123.8	119.2	124.9
State and local .....	123.2	128.8	128.1	129.6	130.8	132.9	134.4	135.7

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

**Table 7.5.—Implicit Price Deflators for Gross National Product by Major Type of Product**

[Index numbers, 1982=100]

Gross national product .....	117.4	121.3	120.6	121.9	123.3	124.5	125.9	126.9
Final sales .....	117.4	121.4	120.6	121.9	123.4	124.6	125.8	126.9
Change in business inventories .....								
Goods .....	107.0	109.0	108.5	109.7	111.1	111.4	112.8	113.3
Final sales .....	106.7	109.0	108.1	109.5	111.2	111.4	112.4	113.2
Change in business inventories .....								
Durable goods .....	98.4	97.7	97.2	98.1	98.7	99.2	99.2	99.9
Final sales .....	98.0	97.4	96.9	97.6	98.2	98.7	99.0	99.9
Change in business inventories .....								
Nondurable goods .....	114.7	120.3	119.7	121.6	123.6	123.4	126.1	126.9
Final sales .....	114.4	120.4	119.1	121.2	123.8	123.6	125.7	126.9
Change in business inventories .....								
Services .....	127.8	133.4	132.7	134.0	135.5	137.6	138.9	140.3
Structures .....	114.0	118.5	118.0	118.8	120.0	121.9	123.4	124.7

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

**Table 7.6.—Implicit Price Deflators for Gross National Product by Sector**

[Index numbers, 1982=100]

Gross national product .....	117.4	121.3	120.6	121.9	123.3	124.5	125.9	126.9
Gross domestic product .....	117.4	121.3	120.7	121.9	123.3	124.5	125.9	126.9
Business .....	115.7	119.3	118.6	119.9	121.3	122.3	123.6	124.6
Nonfarm .....	116.3	119.6	118.9	119.9	121.6	122.5	123.8	124.9
Non farm less housing .....	114.8	117.8	117.2	118.1	119.9	120.7	122.0	122.8
Housing .....	131.9	138.3	137.2	139.0	140.8	142.0	143.3	147.6
Farm .....	92.1	104.6	104.6	117.3	101.8	113.0	115.7	109.3
Statistical discrepancy .....	115.7	119.3	118.6	119.9	121.3	122.3	123.6	124.6
Households and institutions .....	131.6	137.0	136.1	137.2	139.1	141.0	142.4	144.9
Private households .....	104.8	105.9	105.9	106.1	106.4	107.0	107.4	107.4
Nonprofit institutions .....	133.6	139.1	138.2	139.3	141.3	143.2	144.7	147.3
Government .....	128.0	134.5	133.9	135.1	136.4	139.5	140.9	142.2
Federal .....	122.0	127.2	127.2	127.5	127.7	133.1	133.7	133.9
State and local .....	130.9	138.1	137.2	138.9	140.7	142.6	144.4	146.3
Rest of the world .....	119.0	123.3	122.5	124.0	125.5	126.8	128.3	129.5
Addendum:								
Gross domestic business product less housing ...	114.3	117.6						

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

**Table 7.7.—Implicit Price Deflators for the Relation of Gross National Product, Net National Product, and National Income**  
[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
Gross national product .....	117.4	121.3	120.6	121.9	123.3	124.5	125.9	126.9
Less: Capital consumption allowances with capital consumption adjustment .....	105.6	106.9	106.9	106.7	107.4	108.0	108.4	109.1
Equals: Net national product .....	119.0	123.2	122.5	123.9	125.5	126.8	128.3	129.4
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises .....	118.6	123.3	120.9	125.9	124.5	126.5	129.4	134.7
Statistical discrepancy .....	115.7	119.3	118.6	119.9	121.3	122.3	123.6	124.6
Equals: National income .....	119.0	123.2	122.7	123.7	125.5	126.8	128.1	128.9

**Table 7.8.—Implicit Price Deflators for Command-Basis Gross National Product**

[Index numbers, 1982=100]

Gross national product .....	117.4	121.3	120.6	121.9	123.3	124.5	125.9	126.9
Less: Net exports of goods and services .....								
Exports .....	99.5	103.3	102.5	104.7	105.1	106.3	106.6	105.7
Imports .....	99.0	102.7	102.6	102.7	104.0	105.6	105.9	103.6
Equals: Gross domestic purchases .....	116.8	120.9	120.3	121.3	122.8	124.2	125.5	126.2
Plus: Command-basis net exports of goods and services .....								
Command-basis exports .....	99.0	102.7	102.6	102.7	104.0	105.6	105.9	103.6
Imports .....	99.0	102.7	102.6	102.7	104.0	105.6	105.9	103.6
Equals: Command-basis gross national product .....	117.3	121.2	120.7	121.6	123.1	124.4	125.8	126.5

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

**Table 7.9.—Fixed-Weighted Price Indexes for Personal Consumption Expenditures by Major Type of Product, 1982 Weights**

[Index numbers, 1982=100]

Personal consumption expenditures .....	120.7	125.9	125.1	126.6	128.1	129.6	131.6	132.3
Durable goods .....	110.3	112.9	112.4	113.2	114.1	114.7	114.7	115.2
Motor vehicles and parts .....	116.5	118.6	117.9	118.9	119.5	120.5	120.6	120.1
Furniture and household equipment .....	102.1	103.8	103.5	104.2	104.7	104.8	104.1	105.4
Other .....	112.7	118.5	117.8	118.8	121.1	121.7	123.0	124.2
Nondurable goods .....	112.6	117.2	116.6	118.1	119.4	121.0	124.5	124.3
Food .....	117.2	122.2	121.0	123.5	124.9	126.6	129.0	129.9
Clothing and shoes .....	111.0	115.8	116.8	115.1	117.9	118.2	119.9	116.7
Gasoline and oil .....	78.3	79.1	79.0	80.4	79.1	79.9	92.7	88.2
Other nondurable goods .....	121.5	127.5	126.9	128.2	129.8	132.1	134.4	136.3
Fuel oil and coal .....	76.6	76.8	76.6	77.5	73.9	77.6	80.2	80.5
Other .....	127.6	134.5	133.5	135.2	137.4	139.4	141.6	143.8
Services .....	129.4	135.5	134.7	136.2	138.1	139.8	141.1	142.6
Housing .....	130.0	136.4	135.3	137.1	138.9	140.2	141.4	143.5
Household operation .....	118.3	119.9	119.6	119.8	121.7	122.4	122.4	122.0
Electricity and gas .....	111.9	112.7	112.1	112.0	11			

**Table 7.15.—Fixed-Weighted Price Indexes for Merchandise Exports and Imports by Type of Product and by End-Use Category, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
<b>Merchandise exports</b>								
Foods, feeds, and beverages	97.4	104.1	102.8	106.2	106.3	106.1	106.8	105.7
Industrial supplies and materials	82.1	99.6	94.0	109.0	108.3	106.8	104.6	100.3
Durable goods	95.5	104.1	103.4	105.8	105.7	104.4	105.2	103.5
Nondurable goods	95.4	104.0	103.4	105.8	105.7	104.4	105.3	104.7
Capital goods, except autos	100.3	102.6	102.2	102.8	103.4	103.7	104.7	105.4
Autos	113.3	115.6	114.3	116.9	117.6	118.6	118.7	120.0
Consumer goods	107.1	111.7	111.1	111.8	113.1	115.8	115.8	116.2
Durable goods	101.7	106.4	105.8	107.3	107.8	110.1	110.7	109.8
Nondurable goods	111.4	115.9	115.3	115.3	117.2	120.3	119.9	121.3
Other	96.1	101.0	100.4	103.3	102.2	102.2	102.8	100.1
Durable goods	92.4	94.2	94.6	96.3	93.8	94.2	95.1	90.4
Nondurable goods	99.8	107.7	106.2	110.2	110.5	110.2	110.5	109.7
<b>Merchandise imports</b>								
Foods, feeds, and beverages	95.1	99.5	99.7	99.1	99.8	102.5	104.5	102.1
Industrial supplies and materials, excluding petroleum	103.6	109.9	109.6	110.3	110.6	109.9	108.9	101.6
Durable goods	90.2	104.1	103.7	105.2	107.4	110.1	109.3	107.3
Nondurable goods	90.4	104.1	103.8	105.2	107.4	110.0	109.0	105.6
Petroleum and products	90.0	104.0	103.6	105.1	107.4	110.1	109.6	109.1
Capital goods, except autos	109.0	115.3	115.2	114.6	118.0	117.6	116.3	116.5
Autos	125.7	132.4	131.7	132.4	135.2	135.5	134.3	134.7
Consumer goods	115.0	123.1	123.7	122.7	124.4	125.2	125.3	125.6
Durable goods	111.8	119.2	120.1	118.4	120.6	121.0	120.3	120.7
Nondurable goods	119.5	128.7	128.8	128.7	129.9	131.1	132.3	132.5
Other	110.3	119.2	119.0	119.2	121.7	122.5	121.5	120.7
Durable goods	110.3	119.2	119.0	119.2	121.7	122.5	121.5	120.6
Nondurable goods	110.3	119.2	119.0	119.2	121.7	122.5	121.5	120.7

**Table 7.17.—Fixed-Weighted Price Indexes for National Defense Purchases of Goods and Services, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
<b>National defense purchases</b>								
Durable goods	113.8	117.9	117.7	118.3	119.0	122.0	122.5	122.6
Military equipment	108.3	109.3	109.1	109.6	110.1	112.2	111.5	110.9
Aircraft	110.1	110.8	110.8	111.0	111.4	113.8	112.8	112.1
Missiles	109.9	106.9	107.7	107.0	106.6	110.5	106.6	106.5
Ships	114.2	117.7	117.1	117.4	118.1	118.7	119.7	114.4
Vehicles	120.9	125.6	124.9	126.3	127.3	130.2	131.6	132.1
Electronic equipment	88.7	89.8	89.5	90.6	91.0	90.2	91.5	91.1
Other	106.4	108.1	107.2	108.1	109.2	110.6	111.0	111.2
Other durable goods	108.2	111.9	111.4	112.3	113.9	115.2	116.0	116.2
Nondurable goods	99.9	102.4	101.6	103.0	103.9	105.0	105.5	105.9
Petroleum products	68.1	73.9	73.9	75.7	74.7	74.9	76.7	74.4
Ammunition	51.1	58.2	58.6	60.6	58.7	58.5	60.9	57.2
Other nondurable goods	98.2	98.9	98.5	99.3	99.5	101.1	102.1	102.2
Services	109.9	115.5	114.5	115.7	117.8	118.1	118.5	118.9
Compensation of employees	120.7	125.8	125.6	126.0	126.9	130.5	131.3	131.9
Military	121.7	127.2	127.2	127.5	127.7	133.1	133.5	133.7
Civilian	121.2	126.7	126.7	127.1	127.3	132.6	132.8	133.1
Other services	122.9	128.1	128.1	128.2	128.3	134.1	134.9	135.1
Contractual research and development	115.1	120.3	119.9	120.9	122.1	122.2	125.3	125.3
Installation support <sup>1</sup>	126.8	130.6	129.4	131.2	132.8	132.8	135.0	138.0
Weapons support <sup>2</sup>	114.6	117.6	116.7	117.7	119.2	119.9	121.1	122.8
Personnel support <sup>3</sup>	146.0	156.5	157.2	152.6	161.2	157.9	155.6	157.0
Transportation of materiel	92.5	94.6	92.3	93.4	99.0	99.8	97.5	96.5
Travel of persons	103.7	107.2	108.0	108.5	108.8	111.9	111.5	111.0
Other								
Structures	120.4	124.2	122.6	123.8	128.8	130.8	132.1	134.1
Military facilities	121.0	125.3	123.0	124.5	132.3	132.5	133.2	135.8
Other	119.5	122.6	122.0	122.9	123.6	128.4	130.3	131.7

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems.

3. Includes compensation of foreign personnel, consulting, training, and education.

**Table 7.16.—Fixed-Weighted Price Indexes for Government Purchases of Goods and Services by Type, 1982 Weights**

[Index numbers, 1982=100]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
<b>Government purchases of goods and services</b>								
Federal	119.6	125.1	124.4	125.9	126.9	129.4	130.5	131.4
National defense	113.3	117.9	117.4	118.7	119.3	122.3	122.7	123.0
Durable goods	113.8	117.9	117.7	118.3	119.0	122.0	122.5	122.6
Nondurable goods	108.3	109.3	109.1	109.6	110.1	112.2	111.5	110.9
Services	68.1	73.9	73.9	75.7	74.7	74.9	76.7	74.4
Compensation of employees	120.7	125.8	125.6	126.0	126.9	130.5	131.3	131.9
Military	121.7	127.2	127.2	127.5	127.7	133.1	133.5	133.7
Civilian	121.2	126.7	126.7	127.1	127.3	132.6	132.8	133.1
Other services	122.9	128.1	128.1	128.2	128.3	134.1	134.9	135.1
Structures	120.4	124.2	122.6	123.8	128.8	130.8	132.8	134.1
Nondefense	112.0	118.0	116.7	119.7	120.0	123.0	123.2	124.2
Durable goods	99.6	101.6	101.3	101.7	103.3	104.6	104.8	105.3
Nondurable goods								
Commodity Credit Corporation inventory change	96.8	98.6	98.7	98.1	99.8	103.1	104.0	105.2
Other nondurables	120.1	124.2	124.1	124.5	124.9	128.9	130.6	130.6
Services	122.8	127.5	127.5	127.6	127.7	133.4	134.1	134.3
Compensation of employees	115.8	119.2	118.7	119.7	120.6	122.1	123.4	124.8
Other services	111.3	115.2	114.5	115.9	116.6	118.2	119.6	120.7
Structures	124.3	130.4	129.6	131.2	132.6	134.7	136.2	137.6
State and local	110.6	113.4	112.9	114.0	115.0	116.2	117.0	117.7
Durable goods	95.0	97.3	97.1	97.7	98.4	101.8	104.2	103.5
Nondurable goods	129.9	136.7	136.2	137.8	139.5	141.5	143.2	144.9
Services	130.6	137.8	137.3	139.0	140.8	142.7	144.5	146.4
Compensation of employees	126.6	131.6	131.2	132.3	133.4	135.8	137.0	137.9
Other services	114.5	119.6	118.7	120.4	121.3	122.9	123.2	124.7

**Table 7.18.—Current-Dollar Cost and Profit Per Unit of Constant-Dollar Gross Domestic Product of Nonfinancial Corporate Business**

[Dollars]

	1987	1988	Seasonally adjusted					
			1988			1989		
			II	III	IV	I	II	III'
<b>Current-dollar cost and profit per unit of constant-dollar gross domestic product</b>								
1.104	1.129	1.123	1.132	1.148	1.156	1		

Table 8.1.—Percent Change From Preceding Period in Selected Series

[Percent]

	1987	1988	Seasonally adjusted at annual rates							1987	1988	Seasonally adjusted at annual rates								
			1988			1989						1988			1989					
			II	III	IV	I	II	III <sup>r</sup>				II	III	IV	I	II	III <sup>r</sup>			
<b>Gross national product:</b>																				
Current dollars	6.9	7.9	8.6	7.5	7.5	7.9	7.1	6.1												
1982 dollars	3.7	4.4	3.7	3.2	2.7	3.7	2.5	2.7												
Implicit price deflator	3.2	3.3	4.8	4.4	4.7	4.0	4.6	3.2												
Chain price index	3.4	3.7	4.3	4.4	4.1	4.6	4.9	2.9												
Fixed-weighted price index	3.6	4.2	4.8	5.2	4.3	4.8	5.0	2.9												
<b>Personal consumption expenditures:</b>																				
Current dollars <sup>1</sup>	7.6	7.4	7.4	7.5	7.6	7.1	7.6	8.3												
1982 dollars <sup>1</sup>	2.8	3.4	2.5	3.3	3.0	2.0	1.9	6.2												
Implicit price deflator	4.8	3.9	4.7	3.9	4.6	4.8	5.7	1.9												
Chain price index	4.7	4.1	5.0	4.3	4.8	4.7	5.8	2.1												
Fixed-weighted price index	4.7	4.3	5.1	4.6	4.9	4.8	6.3	2.2												
<b>Durable goods:</b>																				
Current dollars	3.7	8.1	7.6	-1.8	13.8	-9	4.0	15.7												
1982 dollars	1.4	6.2	6.4	-3.9	9.9	-1.1	5.5	13.2												
Implicit price deflator	2.4	1.9	1.1	2.2	3.7	0	-1.4	2.2												
Chain price index	3.1	2.2	1.7	2.8	3.1	2.1	-3	1.4												
Fixed-weighted price index	3.5	2.4	1.8	3.1	3.2	2.0	0	1.6												
<b>Nondurable goods:</b>																				
Current dollars	6.0	5.4	8.1	9.5	4.7	7.6	8.7	4.4												
1982 dollars	1.4	1.6	1.2	5.0	.7	1.3	-2.3	5.7												
Implicit price deflator	4.5	3.7	6.8	4.2	3.8	6.2	11.5	-1.3												
Chain price index	4.5	4.0	7.1	4.6	4.5	5.5	11.5	-1.0												
Fixed-weighted price index	4.5	4.1	6.9	5.0	4.5	5.5	12.0	-6												
<b>Services:</b>																				
Current dollars <sup>1</sup>	9.8	8.5	6.9	8.9	7.9	8.9	7.9	8.8												
1982 dollars <sup>1</sup>	4.2	3.8	2.2	4.5	2.6	3.6	3.8	4.4												
Implicit price deflator	5.4	4.6	4.6	4.2	5.1	5.0	4.1	4.0												
Chain price index	5.3	4.7	4.6	4.4	5.4	5.0	4.1	4.2												
Fixed-weighted price index	5.1	4.8	4.6	4.7	5.5	4.9	3.9	4.2												
<b>Gross private domestic investment:</b>																				
Current dollars	6.1	7.2	11.2	12.7	-9.2	9.2	2.8	2.1												
1982 dollars	5.4	6.2	3.7	11.8	-12.7	6.9	-7	2.2												
Implicit price deflator																				
Chain price index																				
Fixed-weighted price index																				
<b>Fixed investment:</b>																				
Current dollars	2.8	7.3	12.2	4.2	4.3	4.4	3.1	2.4												
1982 dollars	2.6	5.8	12.0	2.4	-3.0	3.4	2.4	1.0												
Implicit price deflator	.2	1.5	0	1.9	7.5	.8	-.8	1.5												
Chain price index	2.3	2.6	1.9	1.4	3.8	4.1	3.7	3.1												
Fixed-weighted price index	2.0	3.3	3.1	2.1	4.2	5.0	3.9	3.6												
<b>Nonresidential:</b>																				
Current dollars	2.1	9.7	12.8	5.1	2.1	6.0	7.7	5.4												
1982 dollars	3.9	8.4	12.3	2.6	-6.5	6.9	8.6	4.6												
Implicit price deflator	-1.8	1.2	.4	2.5	9.2	-.8	-.8	.8												
Chain price index	1.2	2.4	2.8	1.9	4.4	3.2	2.1	2.4												
Fixed-weighted price index	1.2	3.4	4.0	2.7	4.7	3.0	3.2													
<b>Structures:</b>																				
Current dollars	-3.7	4.9	8.4	6.1	1.4	6.3	-6.2	9.0												
1982 dollars	-6.0	-1	2.3	1.6	-5.1	-1.0	-9.5	5.5												
Implicit price deflator	2.3	5.0	5.8	4.3	6.8	7.7	3.7	3.0												
Chain price index	1.7	4.5	3.4	4.2	3.9	4.8	4.6	4.9												
Fixed-weighted price index	.2	5.2	3.5	5.5	4.5	5.3	4.2	4.2												
<b>Producers' durable equipment:</b>																				
Current dollars	4.8	11.7	14.6	4.8	2.3	6.0	13.6	4.1												
1982 dollars	8.1	11.5	15.8	2.9	-6.9	9.6	14.8	4.4												
Implicit price deflator	-3.0	.1	-9	1.7	10.3	-3.3	-1.3	-4												
Chain price index	.9	1.6	2.6	1.0	4.6	2.6	1.1	1.4												
Fixed-weighted price index	1.8	2.2	3.1	1.0	4.8	4.4	2.2	2.6												
<b>Residential:</b>																				
Current dollars	4.2	2.7	11.0	1.9	9.2	.7	-6.1	-3.9												
1982 dollars	-5	-4	11.2	1.9	6.3	-5.0	-12.3	-8.4												
Implicit price deflator	4.6	3.0	0	3	2.7	5.8	7.1	4.9												
Chain price index	4.7	3.1	-1	3	2.7	5.9	7.3	4.9												
Fixed-weighted price index	4.5	3.1	.3	3	2.6	5.8	7.2	4.8												
<b>Exports of goods and services:</b>																				
Current dollars <sup>1</sup>	13.1	22.1	8.6	19.5	17.5	19.1	14.2	-1.8												
1982 dollars <sup>1</sup>	13.5	17.6	1.8	9.7	15.5	14.0	13.1	1.6												
Implicit price deflator	-3	3.8	6.9	8.9	1.5	4.6	1.1	-3.3												
Chain price index	1.6	4.9	6.7	9.0	2.0	1.5	2.3	-1.0												
Fixed-weighted price index	1.9	5.3	7.0	9.9	2.4	1.6	2.5	-.5												
<b>Imports of goods and services:</b>																				
Current dollars <sup>1</sup>	13.6	10.7	2.1	10.6	18.9	5.7	10.7	.1												
1982 dollars <sup>1</sup>	7.5	6.8	-2.2	10.2	12.6	-.4	9.3	9.5												
Implicit price deflator	5.7	3.7	4.4	4	5.2	6.3	1.1	-8.4												
Chain price index	7.1	5.3	6.3	5	5.0	7.2	4.4	-3.7												
Fixed-weighted price index	7.7	5.0	6.4	3	4.2	8.6	5.7	-4.4												

1. Percent changes for 1986 and the first quarter of 1986 reflect discontinuities in the series.  
 Note.—The fixed-weighted price index and the chain price index, both of which are weighted averages of the detailed prices used in the deflation of GNP, are measures of price change. In calculating changes in these indexes, the composition of GNP is held constant. Consequently these changes reflect only changes in prices. The fixed-weighted price index measures price change over any period, using as weights the composition of GNP in 1982. The chain price index measures price change between two consecutive periods, using as weights the composition of GNP in the first period. The implicit price deflator is a byproduct of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is the average of the detailed prices used in the deflation of GNP, but the prices are weighted by the composition of GNP in each period. Consequently, the implicit price deflator reflects not only changes in prices but also changes in the composition of GNP, and its use as a measure of price change should be avoided.

## Reconciliation and Other Special Tables

Table 1.—Revisions in Selected Component Series of the NIPA's, Third Quarter of 1989

	Seasonally adjusted at annual rates			Percent change from preceding quarter at annual rates	
	Advance	Preliminary	Difference		
				Advance	Preliminary
	Billions of current dollars				
GNP .....	5,273.2	5,278.9	5.7	5.6	6.1
National income .....		4,284.0			3.3
Compensation of employees .....	3,170.5	3,171.9	1.4	6.9	7.1
Corporate profits with inventory valuation and capital consumption adjustments .....		292.3			-18.7
Other .....	820.9	819.8	-1.1	-1.4	-1.9
Personal income .....	4,456.5	4,457.5	1.0	5.2	5.3
	Billions of constant (1982) dollars				
GNP .....	4,158.1	4,160.2	2.1	2.5	2.7
Less: Exports .....	587.5	589.8	2.3	0	1.6
Plus: Imports .....	661.6	653.4	-8.2	15.1	9.5
Equals: Gross domestic purchases .....	4,232.1	4,223.8	-8.3	4.7	3.9
Personal consumption expenditures .....	2,691.2	2,694.1	2.9	5.8	6.2
Nonresidential fixed investment .....	518.0	517.2	-8	5.3	4.6
Residential investment .....	187.0	185.2	-1.8	-4.8	-8.4
Change in business inventories .....	30.2	21.2	-9.0		
Government purchases .....	805.7	806.0	.3	-2.3	-2.1
	Index numbers, 1982=100 <sup>1</sup>				
GNP price index (fixed weights) .....	130.2	130.2	0	2.9	2.9
GNP price index (chained weights) .....				2.8	2.9
GNP implicit price deflator .....	126.8	126.9	.1	2.9	3.2
Gross domestic purchases price index (fixed weights) .....	129.9	129.9	0	2.6	2.6

<sup>1</sup> Not at annual rates.

NOTE.—For the third quarter of 1989, the following revised or additional major source data were incorporated: For *personal consumption expenditures*, revised retail sales for August and September; for *nonresidential fixed investment*, construction put in place in August (revised) and September, manufacturers' shipments of equipment for August (revised) and September, and partial information on plant and equipment expenditures for the quarter; for *residential investment*, construction put in place for August (revised) and September; for *change in business inventories*, manufacturing and trade inventories for August (revised) and September; for *net exports of goods and services*, merchandise exports and merchandise imports for August (revised) and September; for *government purchases of goods and services*, Federal outlays for September, and State and local construction put in place for August (revised) and September; for *wages and salaries*, revised employment, average hourly earnings, and average weekly hours for August and September; for *corporate profits*, domestic book profits for the quarter, and for *GNP prices*, detailed merchandise export and import price indexes for September, unit-value indexes for petroleum imports for September, and residential housing prices for the quarter.

Table 2.—Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings

[Percent change from preceding quarter at seasonally adjusted annual rates]

	1988	1989		
		IV	I	II
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing) <sup>1</sup> .....	5.8	5.2	5.2	5.4
Less: Contribution of supplements to wages and salaries .....	-.1	-.8	.2	0
Plus: Contribution of compensation per hour of persons in housing and in nonprofit institutions .....	-.1	0	.2	.3
Less: Contribution of compensation per hour of persons in government enterprises, unpaid family workers, and self-employed .....	0	-.3	0	0
Equals: Wages and salaries per hour of all persons in the nonfarm private business sector .....	5.8	6.3	5.2	5.7
Less contribution of:				
Compensation per hour of nonproduction workers in manufacturing .....	.2	-1.0	-4	-3
BEA adjustment to average hourly earnings <sup>2</sup> .....	1.8	1.8	1.8	1.8
Other differences <sup>3</sup> .....	-.3	1.9	-3	.2
Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls .....	4.2	3.6	4.0	4.1

1. The Bureau of Labor Statistics (BLS) estimates of changes in compensation per hour in the nonfarm business sector for the four quarters are 5.9, 4.9, 5.6, and 5.3 percent.

2. For a discussion of this adjustment, see page 19 of the July 1988 SURVEY OF CURRENT BUSINESS.

3. Includes BEA use of non-BLS data and differences in detailed weighting and seasonal adjustment procedures.

Table 3.—Cyclically Adjusted Federal Receipts, Expenditures, and Surplus or Deficit (-) Based on 6-Percent Unemployment Rate Trend GNP

[Billions of dollars; quarters at seasonally adjusted annual rates]

	1987	1988	1987				1988				1989		
			I	II	III	IV	I	II	III	IV	I	II	III
<b>Based on 6-percent unemployment rate trend GNP:</b>													
Receipts:													
Level.....	912.9	947.1	873.5	934.3	920.2	923.5	924.4	948.3	950.1	965.6	1,001.1	1,017.2	1,005.8
Percentage of trend GNP.....	20.2	19.8	19.7	20.7	20.2	20.0	19.8	20.0	19.7	19.7	20.1	20.1	19.6
Expenditures:													
Level.....	1,072.3	1,119.6	1,057.5	1,063.1	1,066.2	1,102.5	1,097.5	1,116.3	1,100.9	1,163.7	1,186.3	1,200.5	1,192.3
Percentage of trend GNP.....	23.7	23.4	23.8	23.6	23.4	23.9	23.5	23.5	22.8	23.7	23.8	23.7	23.2
Surplus or deficit (-):													
Level.....	-159.5	-172.5	-184.0	-128.8	-146.0	-179.0	-173.1	-168.0	-150.8	-198.1	-185.2	-183.3	-186.5
Percentage of trend GNP.....	-3.5	-3.6	-4.1	-2.9	-3.2	-3.9	-3.7	-3.5	-3.1	-4.0	-3.7	-3.6	-3.6
Addenda:													
6-percent unemployment rate trend GNP:													
Current dollars.....	4,529.7	4,786.7	4,437.0	4,504.8	4,561.7	4,615.1	4,665.0	4,746.9	4,825.7	4,909.1	4,985.4	5,070.4	5,140.0
1982 dollars.....	3,858.1	3,947.5	3,825.0	3,847.0	3,869.1	3,891.3	3,913.6	3,936.1	3,958.7	3,981.4	4,004.3	4,027.3	4,050.4

### Revised and Extended Deflators for Computers

The deflators for purchases of computers, corresponding fixed-weighted price indexes, and underlying price indexes published in the November 1988 SURVEY OF CURRENT BUSINESS were revised beginning in 1986 and extended through the second quarter of 1989 in the annual revision of the national income and product accounts released in July 1989. The price indexes are shown in table 4. The annual and quarterly deflators and corresponding fixed-weighted price indexes are shown in table 5, which also includes estimates for the third quarter of 1989.

Table 4.—Price Indexes for Computing Equipment, 1985-88

[Index numbers, 1982=100]

Year	Processors	Direct access storage devices	Printers	Displays	Personal computers
1985.....	51.2	58.8	23.2	56.5	56.6
1986.....	47.3	47.4	20.4	47.9	41.7
1987.....	40.3	45.4	16.3	33.1	37.6
1988.....	38.2	42.5	16.3	32.8	34.6

Table 5.—Implicit Price Deflators and Fixed-Weighted Price Indexes for Computers and Peripheral Equipment and for Business Purchases of Office, Computing, and Accounting Machinery, 1985-89

[Index numbers, 1982=100]

	Implicit price deflators		Fixed-weighted price indexes	
	Computers and peripheral equipment	Office, computing, and accounting machinery	Computers and peripheral equipment	Office, computing, and accounting machinery
<b>Annual</b>				
1985.....	51.2	56.0	55.7	65.6
1986.....	42.9	47.6	47.2	59.0
1987.....	36.6	40.2	40.7	54.0
1988.....	34.9	38.6	38.4	52.4
<b>Quarterly</b>				
1985: IV.....	46.8	51.7	50.2	61.2
1986: I.....	44.1	48.7	48.1	59.5
II.....	43.3	47.7	47.5	59.3
III.....	42.5	46.8	46.9	58.9
IV.....	41.7	47.0	46.3	58.4
1987: I.....	38.9	42.6	43.5	56.3
II.....	37.0	40.7	41.1	54.3
III.....	35.3	39.1	39.3	52.9
IV.....	35.2	38.9	38.9	52.6
1988: I.....	35.1	38.8	38.7	52.5
II.....	34.9	38.5	38.4	52.4
III.....	34.8	38.5	38.3	52.3
IV.....	34.8	38.6	38.3	52.5
1989: I.....	33.8	37.2	37.2	51.5
II.....	33.1	36.7	36.4	50.8
III.....	32.4	36.3	35.7	50.3

Table 6.—Gross National Product in 1987 Dollars

	1988	Seasonally adjusted at annual rates			
		1988		1989	
		IV	I	II'	III''
GNP	4,707.9	4,765.0	4,801.3	4,828.1	4,865.1
Personal consumption expenditures	3,108.5	3,141.9	3,159.5	3,173.6	3,221.2
Durable goods	445.6	452.8	450.0	454.8	470.0
Non durable goods	1,012.2	1,019.6	1,024.6	1,018.6	1,032.8
Services	1,650.7	1,669.4	1,684.9	1,700.3	1,718.5
Gross private domestic investment	732.0	734.7	738.0	734.7	731.7
Fixed investment	701.4	708.2	710.2	709.7	708.6
Nonresidential	475.8	478.1	482.9	489.8	493.5
Structures	134.3	134.5	135.2	131.6	132.8
Producers' durable equipment	341.5	343.6	347.7	358.2	360.7
Residential	225.6	230.1	227.3	219.9	215.2
Change in business inventories	30.6	26.4	27.7	25.0	23.1
Net exports of goods and services	-68.7	-67.5	-44.2	-38.0	-44.9
Exports	522.7	543.9	565.3	581.2	581.0
Imports	591.4	611.4	609.5	619.2	625.9
Government purchases of goods and services	936.1	955.9	948.1	957.8	957.0
Federal	374.9	387.5	377.5	384.3	380.2
National defense	290.4	290.5	282.0	283.8	290.0
Nondefense	84.5	97.1	95.6	100.4	90.1
State and local	561.2	568.4	570.6	573.5	576.8
Addenda:					
Gross domestic purchases	4,776.6	4,832.5	4,845.6	4,866.1	4,910.0
Final sales	4,677.3	4,738.6	4,773.6	4,803.1	4,842.0
GNP price index (fixed weighted), 1987=100	103.8	105.4	106.6	107.9	108.7

<sup>a</sup> Revised.<sup>b</sup> Preliminary.

NOTE.—For background information about tables 6 and 7, see "Alternate Measures of Real GNP" in the April 1989 SURVEY OF CURRENT BUSINESS. Revised estimates beginning in 1986 appeared on page 19 of the August 1989 SURVEY.

Table 7.—Gross National Product in 1982 and 1987 Dollars; Annual and Quarterly Percent Changes

	1988	Seasonally adjusted at annual rates			
		1988		1989	
		IV	I	II'	III''
GNP:					
1987 dollars		4.1	2.9	3.1	2.3
1982 dollars		4.4	2.7	3.7	2.5
Personal consumption expenditures:					
1987 dollars		3.2	2.9	2.3	1.8
1982 dollars		3.4	3.0	2.0	1.9
Durable goods:					
1987 dollars		5.8	10.3	-2.5	4.3
1982 dollars		6.2	9.9	-1.1	5.5
Nondurable goods:					
1987 dollars		1.4	.3	2.0	-2.3
1982 dollars		1.6	.7	1.3	-2.3
Services:					
1987 dollars		3.7	2.5	3.8	3.7
1982 dollars		3.8	2.6	3.6	4.4
Gross private domestic investment:					
1987 dollars		4.6	-7.8	1.8	-1.8
1982 dollars		6.2	-12.7	6.9	-7
Fixed investment:					
1987 dollars		4.6	0	1.1	-3
1982 dollars		5.8	-3.0	3.4	2.4
Nonresidential:					
1987 dollars		7.1	-2.8	4.1	5.8
1982 dollars		8.4	-6.5	6.9	8.6
Structures:					
1987 dollars		.4	-2.1	2.1	-10.2
1982 dollars		-.1	-5.1	-1.0	-9.5
Producers' durable equipment:					
1987 dollars		10.0	-3.1	4.9	12.6
1982 dollars		11.5	-6.9	9.6	14.8
Residential:					
1987 dollars		-.4	6.3	-4.8	-12.4
1982 dollars		-.4	6.3	-5.0	-12.3
Change in business inventories:					
1987 dollars					
1982 dollars					
Net exports of goods and services:					
1987 dollars					
1982 dollars					
Exports:					
1987 dollars		16.5	15.4	16.7	11.7
1982 dollars		17.6	15.5	14.0	13.1
Imports:					
1987 dollars		5.4	13.5	-1.2	6.5
1982 dollars		6.8	12.6	-.4	9.3
Government purchases of goods and services:					
1987 dollars		1.1	12.4	-3.2	4.2
1982 dollars		.4	16.7	-3.3	5.4
Federal:					
1987 dollars		-1.8	23.9	-9.9	7.4
1982 dollars		-3.2	33.7	-9.4	10.0
National defense:					
1987 dollars		-1.5	4.2	-11.2	2.6
1982 dollars		-1.4	4.4	-10.6	2.2
Nondefense:					
1987 dollars		-2.6	119.2	-6.0	21.6
1982 dollars		-9.4	231.3	-5.7	37.4
State and local:					
1987 dollars		3.1	5.3	1.6	2.0
1982 dollars		3.2	5.7	1.5	2.2
Addenda:					
Gross domestic purchases:					
1987 dollars		3.0	2.9	1.1	1.7
1982 dollars		3.3	2.5	1.8	2.1
Final sales:					
1987 dollars		4.1	4.3	3.0	2.5
1982 dollars		4.3	4.7	3.1	2.5
GNP price index (fixed weighted):					
1987=100		3.8	4.1	4.7	5.0
1982=100		4.2	4.3	4.8	5.0
Real GNP, chain output measure		4.1	3.3	3.2	2.1

<sup>a</sup> Revised (1987-dollar estimates only).<sup>b</sup> Preliminary.

## Motor Vehicles, Model Year 1989

SALES of new motor vehicles in the United States decreased  $1\frac{1}{2}$  percent to 15.4 million units in model year 1989, following a 1-percent increase in 1988 (table 1).<sup>1</sup> The 1989 decrease was more than accounted for by sales of imported cars and trucks. Sales of both domestic cars and trucks increased slightly.<sup>2</sup>

Motor vehicle sales have been within a range of 15 million to 16 million units in each year since 1985. Prior to 1985, the highest level of sales was 15.3 million in 1978, and only once were sales more than 14.5 million for 3 consecutive years—1977–79 (chart 2).

The continued high level of sales in the past 2 years reflected strength in many of the general factors usually associated with consumer expenditures for durable goods, as well as small increases in new car prices. For the second consecutive model year, real disposable personal income increased by more than 4 percent, and for the sixth consecutive year, the unemployment rate declined. In 1989, consumer confidence (as measured by the Index of Consumer Sentiment prepared by the University of Michigan's Survey Research Center) registered its largest increase in 5 years. The consumer price index for new cars increased slightly in 1989 after increasing only  $2\frac{1}{2}$  percent in 1988. One result of the strength in consumer income was a  $6\frac{1}{2}$ -percent increase in the average expenditure per new car to \$15,189 in 1989 after a

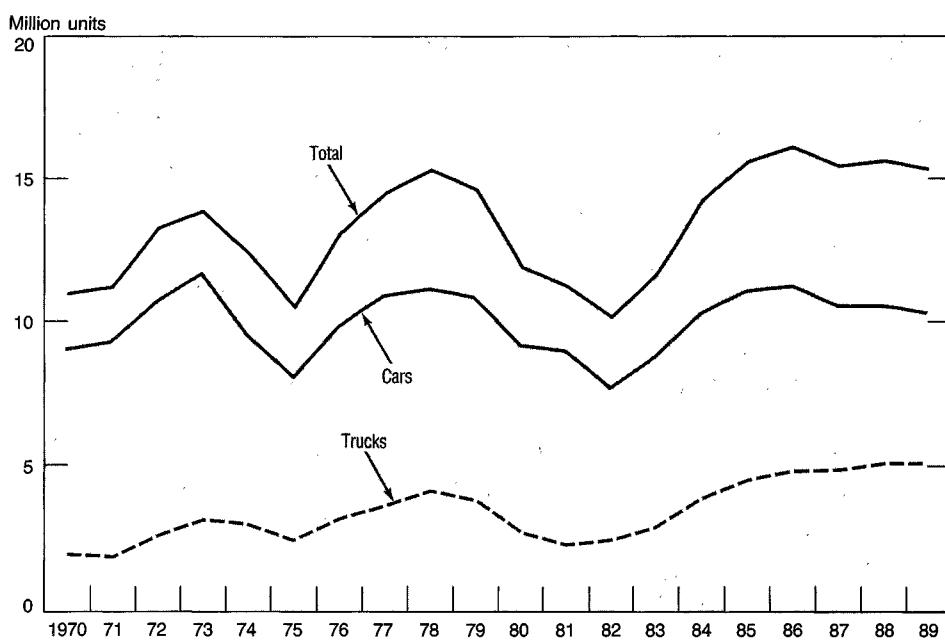
6-percent increase in 1988.<sup>3</sup> The increases in average expenditures, which were well above the increases in the consumer price index for new cars, indicated that consumers shifted purchases to bigger cars or to cars with more optional equipment.

Other factors specific to the motor vehicle market have constrained the growth in unit sales in recent years. The stock of consumer-owned vehicles reached a record high in 1989, the re-

sult of 5 years of strong sales and an increase in the length of time owners are keeping vehicles. The average age of cars on the road (estimated by R. L. Polk and Company) climbed in 1985 to 7.6 years—the highest level since 1950—and has changed little since then. Replacement purchases (purchases to replace older vehicles), which had stimulated unit sales in 1983–86, returned to more "normal" levels in 1987–89. The increase in the number of vehicles per household, which had been steady in 1983–87, slowed sharply in 1988–89.

Two factors related to the financing of new car purchases—longer new car loans and higher interest rates—also constrained unit sales growth. The average length of new car loans made by auto finance companies, which had

CHART 2  
New Motor Vehicle Sales by Model Year



1. For this article, the model year is defined as beginning October 1 and ending on the following September 30. Thus, model year 1989 covers the fourth (calendar) quarter of 1988 and the first, second, and third quarters of 1989.

This article focuses on data for unit sales, inventories, and production drawn mainly from *Ward's Automotive Reports* and the Motor Vehicle Manufacturers Association and data for prices drawn mainly from the Automobile Invoice Service and the Bureau of Labor Statistics, U.S. Department of Labor. These data underlie BEA's estimates of auto and truck output, which are part of the national income and product accounts estimates.

2. Sales of domestic cars and trucks consist of sales of vehicles manufactured in North America and sold in the United States. Sales of imported cars and trucks consist of sales of vehicles manufactured outside North America and sold in the United States.

Note.—Based on October through September sales for each model year.

Data: Motor Vehicle Manufacturers Association of the United States, Inc. and *Ward's Automotive Reports*.

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

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Table 1.—Selected Motor Vehicle Indicators

	Model year					Calendar quarter: Seasonally adjusted at annual rates					
	1985	1986	1987	1988	1989	1988		1989			
	III	IV	I	II	III						
Thousands of units											
New motor vehicle sales.....	15,639	16,059	15,440	15,614	15,394	15,655	15,571	14,699	15,294	16,191	
New car sales.....	11,063	11,208	10,576	10,505	10,328	10,462	10,485	9,820	10,333	10,784	
Domestic.....	8,384	8,060	7,348	7,338	7,387	7,426	7,481	6,984	7,328	7,868	
Import.....	2,679	3,148	3,229	3,168	2,941	3,036	3,004	2,836	3,005	2,916	
New truck sales.....	4,577	4,851	4,864	5,109	5,066	5,193	5,086	4,879	4,961	5,407	
Domestic.....	3,834	3,982	3,987	4,465	4,548	4,593	4,533	4,384	4,446	4,897	
Import.....	742	869	876	644	518	600	553	495	515	510	
Domestic car production.....	8,148	7,885	7,263	6,983	7,129	7,254	7,585	7,058	7,128	6,824	
Domestic car inventories <sup>1</sup> .....						1,566	1,619	1,690	1,732	1,577	
Domestic car inventory-sales ratio <sup>2</sup> .....						2.53	2.60	2.90	2.84	2.41	
Dollars											
Average expenditure per new car <sup>3</sup> .....	11,906	12,616	13,460	14,240	15,189	14,591	14,904	15,197	15,260	15,395	
Domestic.....	11,593	12,325	12,993	13,831	14,759	13,987	14,390	14,771	14,932	14,941	
Import.....	12,880	13,362	14,524	15,201	16,277	16,069	16,183	16,247	16,059	16,618	

1. End of quarter, not at annual rate.

2. Ratio of end-of-quarter inventories to average monthly sales for the quarter.

3. Average expenditure per new car is based on manufacturers' suggested retail price for each model (adjusted for options, discounts or premiums, and sales taxes) weighted by each model's share of sales; not at annual rates.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., and Ward's Automotive Reports; data are seasonally adjusted by BEA.

climbed steadily through most of the 1980's, jumped sharply in 1987 and 1988 to a record 56 months. For two reasons, longer loan periods may impede new car sales when the car that the loan covers is to be used as a trade-in. First, the owner must use at least part of the trade-in value received to pay off the loan rather than as a down-payment on the new car. Second, if the owner waits until the loan has been paid off, the owner would receive

less value on the trade-in because the car is older. (The average length of new car loans declined slightly to 55 months in 1989; the decline reflected the effects of sales-incentive programs that encouraged buyers—who otherwise would have paid cash—to finance cars over 24 months. Similar declines in the average length of loans occurred in earlier years when substantial incentive programs were offered.) Interest rates on new car loans were generally higher in 1989 than in 1988 (chart 3). After ranging from 10 to 11 percent in model year 1988, interest rates offered by commercial banks increased from 11 percent in the fourth quarter of 1988 to 12½ percent in the second quarter of 1989, before declining to 12 percent in the third. Interest rates offered by auto finance companies, which were 12 percent for most of model year 1988, were 13 percent in the fourth quarter of 1988 and the first quarter of 1989 and then declined to 12 percent in the second and third quarters.

### New Cars

New car sales declined 1½ percent to 10.3 million units in model year 1989; the decline was more than accounted for by import car sales. New car sales had declined 1½ percent in 1988 and 5½ percent in 1987.

#### Domestic and import car sales

Domestic car sales increased ½ percent to 7.4 million in model year 1989

after declining for 3 consecutive years. Increases in luxury and full-size cars (to 1.7 million) and compact cars (to 2.7 million) more than offset declines in intermediate cars (to 2.0 million) and subcompact cars (to 1.0 million).

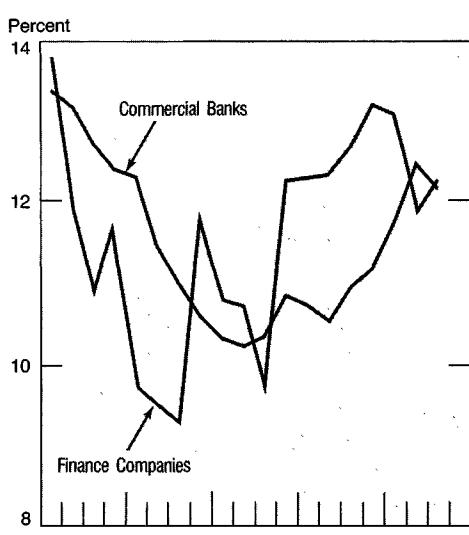
Import car sales fell 7 percent to 2.9 million—the lowest level since 1985—after declining 2 percent in 1988. The declines reflected, in part, increases in sales of foreign models manufactured in the United States, which are counted as sales of domestic cars; previously these models had been imported. In addition, the shift in consumer purchases to larger cars may have dampened sales of imported cars, which are mostly compacts and subcompacts. A number of foreign manufacturers have responded to the shift by introducing full-size and luxury models. Sales of imported cars from most countries declined in 1989: Sales of cars imported from Japan—which account for roughly two-thirds of all import car sales—declined 4½ percent, and sales of cars from South Korea and West Germany declined 13½ percent and 11½ percent, respectively.

The shift in consumer purchases to larger cars has been in progress for several years and can be seen in changes in size-class market shares (percent of total domestic and import car sales) in the past 2 years (chart 4). Domestic compact cars gained market share at the expense of domestic subcompact cars; the market share of domestic compact cars increased to 26½ percent in 1989 from 22½ percent in 1987, and the market share of domestic subcompact cars declined to 9 percent from 11½ percent. Further, domestic full-size and luxury cars gained market share at the expense of domestic intermediate cars; the market share of domestic full-size and luxury cars increased to 16½ percent from 15½ percent in 1987, and the market share of domestic intermediate cars declined to 19 percent from 20 percent. The market share of imported cars declined to 28½ percent from 30½ percent in 1987; the decline was partly due to lower sales of imported subcompact cars.

#### Quarterly patterns

New car sales changed little at 10.5 million (seasonally adjusted annual rate) in the fourth quarter of 1988, fell sharply in the first quarter of 1989, and then increased in both the second and the third quarters (chart 5). The pickup in

### CHART 3 Interest Rates on New Auto Installment Loans



Note.—Most common interest rates (annual percentage rate) at reporting institutions.

Data: Federal Reserve Board.

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

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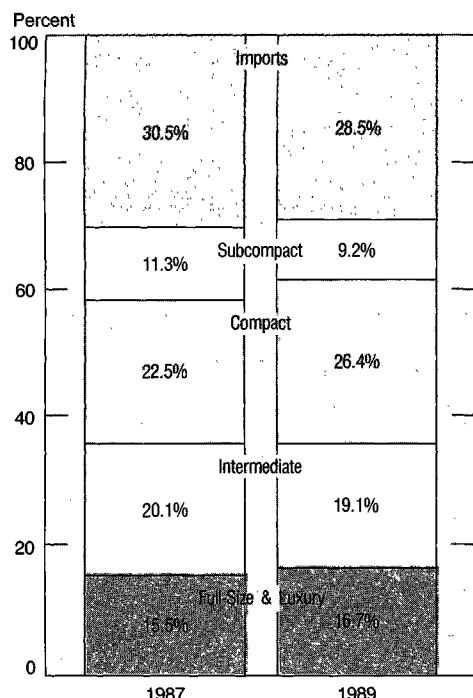
the second half of the model year primarily reflected enhanced sales-incentive programs—featuring rebates or below-market financing—offered by manufacturers.

**Domestic cars.**—In the fourth quarter of 1988, domestic car sales increased slightly to 7.5 million from 7.4 million in the third. Production increased to 7.6 million from 7.3 million. Inventories increased slightly to 1.62 million units from 1.57 million. The inventory-sales ratio edged up to 2.60 from 2.53, remaining above the 2.40 ratio traditionally targeted by the industry.<sup>4</sup>

Sales fell to 7.0 million in the first quarter. In an attempt to reduce swelling inventories, manufacturers cut production to 7.1 million. Still, by quarter's end, inventories had risen to 1.69 million, and the inventory-sales ratio was 2.90.

4. Inventory developments may be tracked using data on inventory-sales ratios or, as is frequently done by the industry, days' supply (the number of days that would be required to liquidate inventories at the current rate of sales). (Movements in these series are very similar; the differences reflect the fact that inventory-sales ratios are derived from seasonally adjusted data and that days' supply estimates are derived from unadjusted data.) The industry targets about 60 days' supply, which translates into an inventory-sales ratio of about 2.40.

#### CHART 4 Market Share of New Car Sales by Model Year



Note.—Based on October through September sales for each model year.  
Data: Motor Vehicle Manufacturers Association of the United States, Inc. and Ward's Automotive Reports.

U.S. Department of Commerce, Bureau of Economic Analysis 89-11-4

As an additional measure to reduce inventories, manufacturers introduced incentive programs late in the first quarter. Early in the second quarter, these programs were enhanced. Sales picked up initially but fell off late in the quarter; for the quarter, sales increased to 7.3 million. Production changed little at 7.1 million. Inventories edged up to 1.73 million, and the inventory-sales ratio, reflecting the increase in sales, edged down to 2.84.

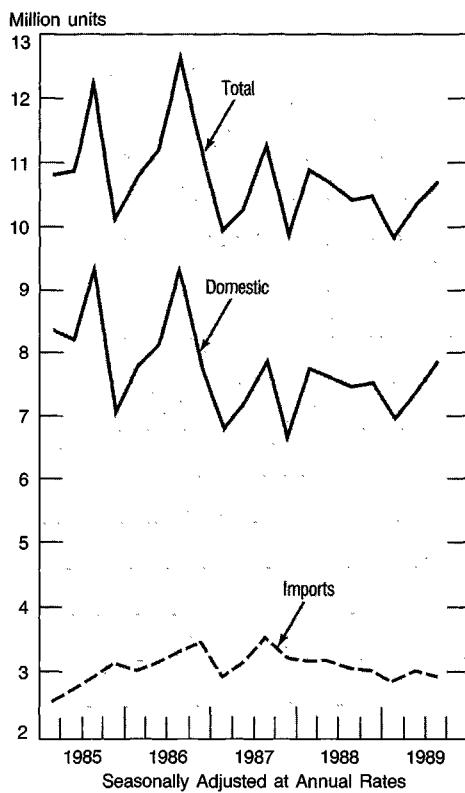
With inventories still high, domestic manufacturers again enhanced their incentive programs early in the third quarter. The new incentives covered nearly all 1989 models and, in September, many 1990 models. Many of these programs were the most attractive ever offered by manufacturers. Interestingly, about four-fifths of new car buyers chose cash rebates rather than below-market financing, even though the latter generally provided a larger financial benefit. Buyers used the cash to pay off existing loans on trade-in cars or as a downpayment. Sales jumped to 7.9 million for the quarter, the highest level since the third quarter of 1987. This jump, along with a

cut in production to 6.8 million, led to a decline in inventories to 1.58 million and in the inventory-sales ratio to 2.41.

Although the inventory-sales ratio has been at or above 2.40 in all but two quarters since the fourth quarter of 1986, recent developments suggest that a higher ratio has not become acceptable to the industry. Even with the inventory-sales ratio at the end of the third quarter of 1989 at the lowest level in six quarters, retail dealers have resisted pressures from manufacturers to increase inventories of 1990 models. Consequently, manufacturers have cut production plans for the fourth quarter.

**Imported cars.**—Sales of imported cars, which had declined in each quarter of model year 1988, declined further to 3.0 million in the fourth quarter of 1988 and to 2.8 million in the first quarter of 1989. Only a few foreign manufacturers offered incentive programs through the first quarter, and those programs were, for the most part, modest. Most foreign manufacturers, with import sales at a 4-year low and inventories at record levels, joined domestic manufacturers in offering new or enhanced incentives in the second quarter; import car sales increased to 3.0 million in the second quarter. However, even with enhanced incentives in the third quarter, sales declined to 2.9 million.

#### CHART 5 Retail Sales of New Cars



Data: Motor Vehicle Manufacturers Association of the United States, Inc. and Ward's Automotive Reports; seasonally adjusted by BEA.  
U.S. Department of Commerce, Bureau of Economic Analysis 89-11-5

#### New Trucks

New truck sales declined slightly to 5.07 million units in model year 1989 from a record high in 1988. The decline—the first since the recession year of 1981—was more than accounted for by sales of imported trucks. Sales of domestic trucks increased.

Light truck sales (up to 10,000 pounds gross vehicle weight), which accounted for 90 percent of total unit truck sales in 1989, declined for the first time in 8 years. These trucks include light conventional pickups, compact pickups, sport utility vehicles, and passenger vans. About two-thirds of light truck purchases are for personal use, and, thus, many of the same developments that affected car sales affected light truck sales. Light trucks were included in most of the manufacturers' sales-incentive programs in the second and third quarters.

Throughout much of 1980's, the strength in light truck sales reflected

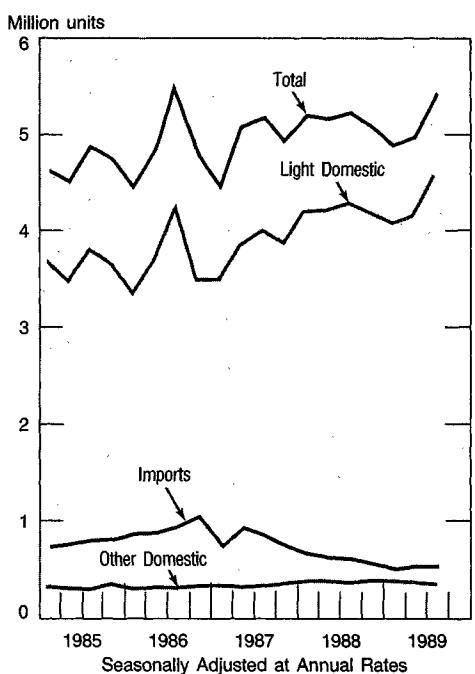
a substitution of truck purchases for car purchases, particularly by families purchasing second or third vehicles. Light trucks offer recreational and utility features, such as increased passenger and load-carrying capacity; families purchasing a second or third vehicle often purchase a truck for these features. In addition, prices were lower for many light truck models than for most car models. However, the substitution of truck purchases for car purchases slowed significantly in 1989. Trucks accounted for 33 percent of motor vehicle sales in 1989, only slightly more than in 1988.

Light domestic truck sales increased 2 percent to 4.21 million in 1989 after a 12-percent increase in 1988. Import truck sales, mostly small pickups, dropped 19½ percent to 0.52 million in 1989 after plummeting 26½ percent in 1988. The declines in import truck sales, as with import car sales, partly reflected an increase in foreign truck models manufactured in the United States; these models, which previously had been imported, are counted as domestic trucks.

Sales of "other" domestic trucks (over 10,000 pounds gross vehicle

CHART 6

## Retail Sales of New Trucks



Note.—Retail sales of domestic trucks are classified by gross vehicle weight as light (up to 10,000 pounds) and "other" (over 10,000 pounds).

Imported trucks include imports by U.S. manufacturers.

Data: Motor Vehicle Manufacturers Association of the United States, Inc. and *Ward's Automotive Reports*; seasonally adjusted by BEA.

U.S. Department of Commerce, Bureau of Economic Analysis 89-11-6

weight) changed little at 0.34 million. These trucks, nearly all purchased by business, range from medium-duty general delivery trucks to heavy-duty diesel tractor-trailers.

The quarterly pattern of truck sales in model year 1989 mirrored that of cars. Truck sales declined to 5.09 million in the fourth quarter of 1988 from 5.19 million in the third; sales of both domestic light trucks and imported trucks declined, and sales of "other" domestic trucks increased (chart 6). In the first quarter of 1989, truck sales declined to 4.88 million; sales of all types of trucks contributed to the decline. Truck sales increased to 4.96 million in the second quarter; sales of both domestic light trucks and imported trucks increased, partly reflecting new incentive programs, and sales of "other" domestic trucks declined. Truck sales jumped to 5.41 million in the third quarter, the highest level in 3 years; a large increase in light domestic truck sales, reflecting enhanced incentive programs, more than accounted for the jump. Sales of both imported trucks and "other" domestic trucks declined slightly.

# Annual Input-Output Accounts of the U.S. Economy, 1984

THIS article presents the annual input-output (I-O) accounts for 1984. These accounts are consistent definitionally with the 1977 benchmark I-O accounts as modified by the comprehensive revision of the national income and product accounts (NIPA's) released in December 1985.<sup>1</sup> Annual I-O accounts are prepared using basically the same procedures as used in the most recent benchmark accounts, but with less comprehensive and reliable source data.

The 1984 annual I-O estimates of final demand—that is, estimates of GNP components—are consistent definitionally with the NIPA's, but they differ from the NIPA estimates for that year because they incorporate additional source data and are based on estimating methods that reflect these source data. For the major GNP components, the differences are shown in table A. For personal consumption expenditures (PCE), the difference is mainly due to the methods used to prepare the estimates of goods. The I-O estimates are based on the commodity-flow method; the NIPA estimates are based primarily on the retail-control method.<sup>2</sup> For gross private domestic investment (GPDI) and net exports of goods and services, the differences reflect the incorporation in the I-O estimates of newly available source data: For GPDI, revised Census Bureau estimates of trade inventories and new construction; for net exports, revised

**NOTE.**—The 1984 annual I-O accounts were prepared under the direction of Mark A. Planting, Chief of the Auxiliary Studies Branch. Staff contributors were William A. Allen, Claiborne M. Ball, Esther M. Carter, Nicholas R. Dopuch, Robert S. Robinowitz, Nancy W. Simon, and Patricia A. Weiss.

1. For a description of the 1977 I-O accounts, see "The Input-Output Structure of the U.S. Economy, 1977," SURVEY OF CURRENT BUSINESS 64 (May 1984): 42-84. For a description of the NIPA revision, see "Revised Estimates of the National Income and Product Accounts of the United States, 1929-85: An Introduction," SURVEY 65 (December 1985): 1-19.

2. For a description of these methods, see *GNP: An Overview of Source Data and Estimating Methods*, BEA Methodology Paper No. 4 (Washington, DC: U.S. Government Printing Office, 1987); and "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 69 (July 1989): 25-27.

**Table A.—Comparison of GNP in the NIPA's and the I-O Accounts, 1984**

[Billions of dollars]

	NIPA's <sup>1</sup>	I-O accounts	NIPA's less I-O
Gross national product.....	3,772.2	3,766.2	6.1
Personal consumption expenditures.....	2,430.5	2,418.0	12.5
Gross private domestic investment.....	664.8	668.3	-3.5
Net exports of goods and services.....	-38.9	-56.0	-2.9
Government purchases of goods and services.....	735.9	735.9	0

1. The 1984 NIPA estimates appear in "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 68 (July 1988): 8-124.

## BEA estimates of international transactions in services.<sup>3</sup>

The steps taken to prepare the 1984 annual I-O accounts are the same as those taken to prepare the 1983 annual accounts, although the source data and estimating methods used are somewhat different.<sup>4</sup> In addition to

3. For a description of the revised services estimates, see "U.S. International Transactions, First Quarter 1989," SURVEY 69 (June 1989): 56-60; and "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 69 (July 1989): 21.

4. The four major steps in preparing the annual accounts are as follows: (1) Determine industry and commodity output totals, (2) estimate the commodity composition of intermediate consumption for each industry, (3) derive each GNP component and its commodity composition, and (4) balance the table. For more detailed information on the preparation of annual I-O accounts and the source data and methods used for the 1981-83 accounts, see "Input-Output Accounts of the U.S. Economy, 1981," SURVEY 67 (January 1987): 42-58; "Input-Output Accounts of the U.S. Economy, 1982," SURVEY

the newly incorporated source data discussed above, there were two changes in estimating methods. First, the allocation of Federal Government purchases of nonmilitary equipment by type was based on 1983 data adjusted for price changes. The annual *Current Industrial Report: Shipments to Federal Government Agencies*, which was the primary source used in 1983, was discontinued. Second, sales of used telephones by business to consumers were recognized. As a result, PCE was increased by \$0.3 billion, and GPDI was decreased by the same amount.

The 1984 annual I-O accounts, at the two-digit industry/commodity level, are presented in five tables: (1) the use of commodities by industries, (2) the make of commodities by industries, (3) commodity-by-industry direct requirements, (4) commodity-by-commodity total requirements, and (5) industry-by-commodity total requirements. The structure of these tables is identical to those published for the 85 industry/commodity benchmark I-O accounts except that in tables 1 and 3 the components of value added are not shown. This article presents only tables 1 and 2. See the box for information about the availability of the other tables.

68 (April 1988): 31-46; and "Input-Output Accounts of the U.S. Economy, 1983," SURVEY 69 (February 1989): 21-36.

## Data Availability

The I-O accounts presented in this article, as well as the latest 1977 and 1980-83 I-O accounts at the two-digit industry/commodity level, are available in magnetic tape, diskette, and computer printout forms. Magnetic tapes containing data in tables 1 through 5 cost \$100 per year. Diskettes, containing data in tables 1 through 3 on the first diskette and tables 4 and 5 on the second, cost \$20 per diskette per year. Computer printouts containing data for all five tables cost \$55 per year. (Add 25 percent for foreign shipment.) Orders must specify tables and years desired and accession numbers as follows:

Year	Magnetic tapes	Diskettes	Printouts
1977 (Revised).....	BEA IED 87-001	BEA IED 87-403	BEA IED 87-206
1980 (Revised).....	BEA IED 87-002	BEA IED 87-406	BEA IED 87-212
1981 .....	BEA IED 87-003	BEA IED 87-409	BEA IED 87-218
1982 .....	BEA IED 88-001	BEA IED 88-401	BEA IED 88-201
1983 .....	BEA IED 89-001	BEA IED 89-401	BEA IED 89-201
1984 .....	BEA IED 89-002	BEA IED 89-402	BEA IED 89-202

Orders for magnetic tape must specify density (1,600 BPI or 6,250 BPI) and whether or not internal labels are needed. To order tapes, diskettes, or printouts, write to Economic and Statistical Analysis/BEA, U.S. Department of Commerce, Citizens and Southern National Bank, 222 Mitchell Street, P.O. Box 100606, Atlanta, GA 30384. A check or money order, payable to "Economic and Statistical Analysis/BEA," must accompany all orders. For further information about these products or how to order them, call the Interindustry Economics Division at (202) 523-0792.

Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity		Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agi- cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metals ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mining
	For the composition of inputs to an industry, read the column for that industry											
	Industry number	1	2	3	4	5	6	7	8	9	10	
1	Livestock and livestock products.....	11,649	2,046		272							
2	Other agricultural products.....	19,324	3,878		196					3		
3	Forestry and fishery products.....			273	25							
4	Agricultural, forestry, and fishery services.....	3,236	4,098	992	96		1	11	1	(*)	3	
5	Iron and ferroalloy ores mining.....					195						
6	Nonferrous metal ores mining.....					13	255					
7	Coal mining.....	18	4			12	13	4,819		11	2	
8	Crude petroleum and natural gas.....								7,205			
9	Stone and clay mining and quarrying.....	2	223		1	12	1			240	23	
10	Chemical and fertilizer mineral mining.....		(*)								99	
11	New construction.....	90	189	460	182	21	10	177	5,174	31	26	
12	Repair and maintenance construction.....			5	57							
13	Ordnance and accessories.....	13,901		94						2	1	
14	Food and kindred products.....											
15	Tobacco manufactures.....						1	44			5	
16	Broad and narrow fabrics, yarn and thread mills.....		20									
17	Miscellaneous textile goods and floor coverings.....	31	74	49								
18	Apparel.....			61	12	54			16	15	3	1
19	Miscellaneous fabricated textile products.....											
20	Lumber and wood products, except containers.....	14	16			4	25	119				2
21	Wood containers.....	3	181			11						
22	Household furniture.....											
23	Other furniture and fixtures.....											
24	Paper and allied products, except containers.....	88	66	1	7	(*)	1	10	5	35	5	
25	Paperboard containers and boxes.....	3	119	1	88		(*)		3	2	1	
26	Printing and publishing.....	19	26	1	8	1	1	10	22	7	2	
27	Chemicals and selected chemical products.....	195	9,480	418	1,312	53	141	360	774	89	90	
28	Plastics and synthetic materials.....											
29	Drugs, cleaning and toilet preparations.....	208							8		1	
30	Paints and allied products.....			3						14		
31	Petroleum refining and related industries.....	844	4,637	292	568	86	101	912	560	284	87	
32	Rubber and miscellaneous plastics products.....	412	480	3	55	31	48	218	29	52	9	
33	Leather tanning and finishing.....											
34	Footwear and other leather products.....	56		3						2		
35	Glass and glass products.....	8		(*)	4	(*)	1		10	1	(*)	
36	Stone and clay products.....				18	2	26	108	19	4	1	
37	Primary iron and steel manufacturing.....	9	10			49	95	133	577	41	20	
38	Primary nonferrous metals manufacturing.....					3	11	71		15	3	
39	Metal containers.....			8								
40	Heating, plumbing, and fabricated structural metal products.....	10	13							55	19	7
41	Screw machine products and stampings.....	37								14	8	
42	Other fabricated metal products.....	144	226	32	30	43	45	178	593	64	10	
43	Engines and turbines.....			15	44	28	30	216	246	54	26	
44	Farm and garden machinery.....	414	838	20	25							
45	Construction and mining machinery and equipment.....					61	8	1,044	417	171	38	
46	Materials handling machinery and equipment.....					19	15	125	46	46	6	
47	Metalworking machinery and equipment.....			(*)	2	2	3	5	42	7	(*)	
48	Special industry machinery and equipment.....											
49	General industrial machinery equipment.....	22	26	8	2	37	30	400	312	60	14	
50	Miscellaneous machinery, except electrical.....	61	85	1	10	7	16	35	16	14	2	
51	Office, computing, and accounting machines.....				1							
52	Service industry machines.....											
53	Electric industrial equipment and apparatus.....	13	13				5	14	129	404	28	10
54	Household appliances.....											
55	Electric lighting and wiring equipment.....	7	5	1	5	(*)	1	25	30	3	1	
56	Radio, TV, and communication equipment.....				1		(*)	1	6			
57	Electronic components and accessories.....											
58	Miscellaneous electrical machinery and supplies.....	101	427	(*)	24	(*)	1	3	5	(*)	3	
59	Motor vehicles and equipment.....	65	69	5	63	39	5	7	10	43	3	
60	Aircraft and parts.....				1							
61	Other transportation equipment.....				263	11	1	5	21	70	2	
62	Scientific and controlling instruments.....				5	1	(*)	3	5	1	(*)	
63	Optical, ophthalmic, and photographic equipment.....				1	7	(*)	(*)	5	1	(*)	
64	Miscellaneous manufacturing.....	9	13	(*)	6	4	1	7	10	6	2	
65	Transportation and warehousing.....	1,430	1,198	89	402	50	64	282	462	81	36	
66	Communications, except radio and TV.....	213	287	7	4	2	4	26	111	11	3	
67	Radio and television broadcasting.....											
68	Private electric, gas, water, and sanitary services.....	827	2,595	58	284	459	340	899	2,114	557	535	
69	Wholesale and retail trade.....	2,883	4,518	284	865	87	109	830	605	170	49	
70	Finance and insurance.....	1,453	1,348	50	188	17	51	276	670	90	24	
71	Real estate and rental.....	1,970	11,750		646	43	76	848	10,461	183	35	
72	Hotels; personal and repair services (except auto).....	133	140	13	30	3	6	31	72	40	9	
73	Business services.....	384	1,837	126	470	79	101	1,004	1,548	277	108	
74	Eating and drinking places.....	14	18	50	114	5	11	45	542	27	18	
75	Automobile repair and services.....	263	283	37	210	33	63	191	254	41	26	
76	Amusements.....				295			3	11	2	1	
77	Health, educational, and social services and nonprofit organizations.....	622	40	13	23	4	7	37	57	8	4	
78	Federal Government enterprises.....	10	13	8	73	4	9	15	26	8	9	
79	State and local government enterprises.....				5	29	1	3	5	12	10	
80	Noncomparable imports.....		(*)	4	2	1	4	39	15	343	3	5
81	Scrap, used and secondhand goods.....						2	6	10		9	10
82	Government industry.....											
83	Rest of the world industry.....											
84	Household industry.....											
85	Inventory valuation adjustment.....											
I	Total intermediate inputs.....	61,192	51,491	3,702	6,827	1,530	1,890	13,982	33,932	2,860	1,380	
VA	Value added.....	20,454	46,112	3,850	8,447	1,148	1,136	13,549	119,989	4,392	1,466	
T	Total industry output.....	81,646	97,603	7,551	15,274	2,678	3,027	27,531	153,921	7,251	2,846	

\* Less than \$500,000.



Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity  For the composition of inputs to an industry, read the column for that industry	Industry number	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
			28	29	30	31	32	33	34	35	36
1	Livestock and livestock products.....			43							
2	Other agricultural products.....		100	2							1
3	Forestry and fishery products.....		18	31							
4	Agricultural, forestry, and fishery services.....	1	1	(*)	1	1				1	2
5	Iron and ferroalloy ores mining.....		9								6
6	Nonferrous metal ores mining.....	2	18								5
7	Coal mining.....	151	21		20	40	1	1	1		382
8	Crude petroleum and natural gas.....	1,111	145	117,061	229						
9	Stone and clay mining and quarrying.....	33	53	381	34						2,371
10	Chemical and fertilizer mineral mining.....		4	10	9		2			3	107
11	New construction.....										
12	Repair and maintenance construction.....	343	213	81	1,239	462	7	27	127		631
13	Ordnance and accessories.....					1					14
14	Food and kindred products.....	45	758	78	46	10	575	19	1		18
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills.....	117				939		224			185
17	Miscellaneous textile goods and floor coverings.....		17		18	1,044		215			
18	Apparel.....	7	1	(*)	1	16	(*)	13	5		7
19	Miscellaneous fabricated textile products.....	2	2	1		11			1		
20	Lumber and wood products, except containers.....	24	6		37	250		43	127		205
21	Wood containers.....					6		1	62		(*)
22	Household furniture.....										
23	Other furniture and fixtures.....										
24	Paper and allied products, except containers.....	230	317	18	151	967	(*)	46	8		492
25	Paperboard containers and boxes.....	317	1,074	80	477	1,006	10	91	526		178
26	Printing and publishing.....	21	197	63	22	68	2	20	30		42
27	Chemicals and selected chemical products.....	11,286	4,955	2,420	4,343	3,436	111	65	602		899
28	Plastics and synthetic materials.....	1,265	149	669	36	14,409		96			277
29	Drugs, cleaning and toilet preparations.....	172	3,451	29	796	22	42	20			41
30	Paints and allied products.....	71	65	123	6	46					70
31	Petroleum refining and related industries.....	922	708	286	13,783	1,096	24	16	269		963
32	Rubber and miscellaneous plastics products.....	872	1,961	39	246	4,264	(*)	546	74		206
33	Leather tanning and finishing.....					2	78	1,338			
34	Footwear and other leather products.....		(*)	1	1	4	8	438	4		(*)
35	Glass and glass products.....	12	566	8	51	541			1,085		35
36	Stone and clay products.....	29	21	94	214	155	4	4	110		4,542
37	Primary iron and steel manufacturing.....	(*)	1	38	25	556		2	1		207
38	Primary nonferrous metals manufacturing.....	13	4	69		75		(*)	7		241
39	Metal containers.....	83	838	466	438						2
40	Heating, plumbing, and fabricated structural metal products.....		12			63					10
41	Screw machine products and stampings.....		181	14		202			17		15
42	Other fabricated metal products.....	54	418	46	321	386	(*)	65	8		373
43	Engines and turbines.....					20					4
44	Farm and garden machinery.....										
45	Construction and mining machinery.....					6		(*)			161
46	Materials handling machinery and equipment.....										3
47	Metalworking machinery and equipment.....	11	13	1	8	182	1	7	50		31
48	Special industry machinery and equipment.....	15				186		5	78		4
49	General industrial machinery equipment.....	73	100	1	209	18		(*)	6		28
50	Miscellaneous machinery, except electrical.....	57	46	6	50	389	4	28	111		112
51	Office, computing, and accounting machines.....										
52	Service industry machines.....					4					
53	Electric industrial equipment and apparatus.....									26	12
54	Household appliances.....		(*)	(*)	(*)	(*)				9	
55	Electric lighting and wiring equipment.....	2	3	1	10	72	(*)	1	16		32
56	Radio, TV, and communication equipment.....	(*)	2	(*)	(*)	1		(*)	1		(*)
57	Electronic components and accessories.....					38					
58	Miscellaneous electrical machinery and supplies.....		6		1	16					1
59	Motor vehicles and equipment.....	1	4	4	140	34	(*)		1		70
60	Aircraft and parts.....										
61	Other transportation equipment.....										
62	Scientific and controlling instruments.....	36	62	3	51	95	(*)	3	30		16
63	Optical, ophthalmic, and photographic equipment.....	3	12	(*)	7	13	(*)	(*)	6		16
64	Miscellaneous manufacturing.....	2	22	6	2	22	(*)	85	1		22
65	Transportation and warehousing.....	983	1,184	456	8,285	1,882	35	105	437		2,730
66	Communications, except radio and TV.....	53	196	26	245	202	2	37	42		129
67	Radio and television broadcasting.....										
68	Private electric, gas, water, and sanitary services.....	1,770	774	127	5,850	2,475	38	79	1,422		2,849
69	Wholesale and retail trade.....	1,134	1,774	401	2,452	2,047	85	203	441		993
70	Finance and insurance.....	142	564	65	898	412	8	117	90		302
71	Real estate and rental.....	336	1,134	58	343	714	4	50	176		294
72	Hotels; personal and repair services (except auto).....	81	167	38	66	135	14	36	30		79
73	Business services.....	1,275	9,232	434	2,927	2,041	26	342	398		1,194
74	Eating and drinking places.....	175	704	86	366	418	4	53	65		226
75	Automobile repair and services.....	125	95	27	119	149	2	18	59		164
76	Amusements.....	1	10	1	3	6		(*)	2		1
77	Health, educational, and social services and nonprofit organizations.....	35	203	15	94	149	1	3	10		35
78	Federal Government enterprises.....	23	142	31	116	88	3	65	28		60
79	State and local government enterprises.....	10	28		51	18	6	1	6		14
80	Noncomparable imports.....	64	413	57	557	1,071	(*)		108		71
81	Scrap, used and secondhand goods.....					5					
82	Government industry.....										
83	Rest of the world industry.....										
84	Household industry.....										
85	Inventory valuation adjustment.....										
I	Total intermediate inputs.....	23,555	33,019	6,725	162,574	43,260	1,089	4,545	7,079		22,181
VA	Value added.....	11,626	21,917	3,480	29,744	25,197	813	2,743	6,354		16,671
T	Total industry output .....	35,181	54,936	10,205	192,318	68,457	1,903	7,288	13,434		38,852

\* Less than \$500,000.

## by Industries, 1984—Continued

at producers' prices]

Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Commodity number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
2,799 <sup>2</sup>	1	(*)	1	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	1
73	2,299	25	2	8	8	1	3	6	2	2	(*)	2	2	(*)	4	2
2,994	25	(*)	2	8	8	1	3	6	2	2	(*)	2	2	(*)	4	7
34																8
340	20		4		8											9
33	1															10
1,411 <sup>5</sup>	378	100	560	341	330	107	51	107	40	68	66	126	63	314	83	11
6	4	1	5	2	4	1	1	1	2	2	2	3	2	11	2	14
																15
																16
																17
																18
13 <sup>1</sup>	4	2	4	4	14	4	1	1	1	3	2	7	2	2	2	19
108 <sup>9</sup>	141	17	78	31	185		29	14	7	10	32	47	5	59	25	20
																21
																22
																23
4 <sup>11</sup>	37	12	38	61	11	27	6	3	3	5	4	74	5	172	24	24
59	89	43	180	196	477	45	38	4	4	70	13	86	107	188	154	25
37	41	210	50	41	61	13	12	17	12	28	24	34	28	111	28	26
2,215	1,043	11	66	195	1,141	1	2	11	2	126	169	21	5	109	101	27
												16		85		28
																29
1 <sup>23</sup>	1	8	17	15	16								2			30
1,093 <sup>1</sup>	41	263	145	111	297	6	32	21	7	24	8	6	65	57	57	31
65	742	50	264	104	283	105	30	53	69	139	96	260	82	383	149	32
	357	16	335	219	1,221	57	309	288	96	104	209	274	27	2,428	444	33
																34
3 <sup>3</sup>	(*)															35
529	169	8	391	24	53	(*)		(*)								36
11,044 <sup>1</sup>	370	3,152	7,452	7,195	4,785	1,435	1,132	2,305	692	1,303	888	2,356	939	326	1,335	37
1,277	18,155	1,778	3,954	1,216	2,470	554	119	91	139	339	291	637	458	795	1,249	38
4	2	458		16	10											39
																40
201 <sup>9</sup>	113	8	1,070	990	594	327	229	96	63	100	83	292	88	950	489	41
584	421	138	1,321	516	1,821	172	132	211	115	146	244	311	229	692	478	42
	19	2		55	1,715		1,035	617	110		117	150	47		68	43
																44
																45
15 <sup>16</sup>	406	515	54	211	394	293	197	73	123	342	8	159	309	293	226	175
67	24			2	16					51		159				175
717	410	2	278	30	44	346	565	1,153	470	332	501	1,645	200	68	595	49
242	192	55	213	299	367	361	386	208	225	151	469	693	1,403	88	545	50
5 <sup>1</sup>	566	214	1	308	54	158	148	84	208	222	362	523	843	70	1,814	1,152
9 <sup>4</sup>	(*)	1	13	32	5	1	34	1	1	33	2	2	2	188	158	55
					1		(*)			11	30	54		4,058		56
2 <sup>3</sup>	4	(*)	1	22	66	4	89	226	227	2	3	9	2	29	9	1
												47				60
																61
5 <sup>10</sup>	150	55	2	75	11	22	2	2	3	2	33	5	67	6	43	276
9	3	3	8	7	14	6	3	5	3	7	6	9	9	36	8	63
2,330 <sup>9</sup>	1,762	325	25	4	14	1	1	8	5	4	30	3	71	40	40	64
75	96	13	169	193	196	35	24	93	24	57	184	352	243	1,328	351	65
		7									81	163	74	307	81	66
																67
5,209 <sup>12</sup>	3,567	278	653	705	1,164	194	173	273	88	333	202	447	341	645	325	68
2,752	2,566	431	1,585	992	1,404	487	727	936	320	467	588	952	270	5,360	1,087	69
345	291	83	291	132	418	73	45	97	33	122	129	169	78	676	68	70
279	231	83	318	181	295	53	70	69	43	139	100	149	176	593	85	71
118	95	32	212	66	102	19	13	23	12	34	30	55	52	847	56	72
1,212 <sup>11</sup>	1,075	211	1,118	955	1,344	288	206	439	180	454	364	764	1,060	2,494	589	73
142	173	65	226	107	220	40	35	71	36	112	77	231	122	600	102	74
49	112	23	106	98	111	38	8	16	25	56	20	64	81	98	16	75
1 <sup>12</sup>	33	11	12	2	2	2		1	1	2		9	2	1	(*)	76
77	52	5	68	36	71	15	21	21	15	18	36	57	27	56	13	78
21	17	5	11	10	24	3	2	3	2	6	3	8	4	13	6	79
48	143	5	24	14	38	20	40	69	12	92	30	31	3	205	3	80
1,481	2,248		56		37	33	10	6	11	18	9	9				81
																82
																83
																84
																85
41,356 <sup>13</sup>	39,208	7,992	23,636	16,445	21,268	7,721	7,190	9,464	3,666	6,733	6,471	12,239	6,801	40,174	12,282	1
26,608	15,117	4,458	15,203	14,210	20,155	7,456	5,720	9,630	3,005	11,670	7,443	12,150	10,498	18,853	7,619	VA
67,964	54,325	12,449	38,839	30,655	41,423	15,177	12,910	19,093	6,670	18,403	13,915	24,389	17,300	59,026	19,901	T

Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity  For the composition of inputs to an industry, read the column for that industry	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communi- cation equipment	Electronic components and accessories	Miscel- laneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other trans- portation equipment	
	Industry number										
		53	54	55	56	57	58	59	60	61	
1	Livestock and livestock products.....										
2	Other agricultural products.....										
3	Forestry and fishery products.....										
4	Agricultural, forestry, and fishery services .....	1		(*)	3	2	(*)	1	1	1	
5	Iron and ferroalloy ores mining.....						9				
6	Nonferrous metal ores mining.....						37				
7	Coal mining.....	4	7	4	7	2	6	59	7	2	
8	Crude petroleum and natural gas.....										
9	Stone and clay mining and quarrying.....							3			
10	Chemical and fertilizer mineral mining.....										
11	New construction.....	200	102	68	249	407	70	386	279	88	
12	Repair and maintenance construction.....							1	5		
13	Ordnance and accessories.....	4	2	1	(*)	10	1	3	6	3	
14	Food and kindred products.....										
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills .....										
17	Miscellaneous textile goods and floor coverings.....	5	43	21			5	312		262	
18	Apparel.....	3	2	2	33	45	2	19	14	17	
19	Miscellaneous fabricated textile products.....							3,434	147	125	
20	Lumber and wood products, except containers.....	34	72	36	40		4	207	36	1,137	
21	Wood containers .....	11	18					5	6		
22	Household furniture.....				455	31			14	75	
23	Other furniture and fixtures.....			25				367	19	112	
24	Paper and allied products, except containers .....	245	80	4	120	196	5	190	17		
25	Paperboard containers and boxes.....	131	278	234	195	213	108	120	11	15	
26	Printing and publishing.....	61	23	21	359	118	20	72	121	36	
27	Chemicals and selected chemical products .....	138	95	107	156	1,050	395	359	80	75	
28	Plastics and synthetic materials.....	99	271	191	321	282	121	225	51	173	
29	Drugs, cleaning and toilet preparations .....							7		1	
30	Paints and allied products .....	68	149	39	47	2	25	604	71	179	
31	Petroleum refining and related industries.....	236	32	69	205	388	91	429	424	164	
32	Rubber and miscellaneous plastics products .....	505	947	439	2,866	2,757	454	7,089	314	357	
33	Leather tanning and finishing .....										
34	Footwear and other leather products .....							6	2		
35	Glass and glass products .....	21	116	457	82	550	14	1,591	9	184	
36	Stone and clay products .....	168	203	43	81	387	28	472	112	499	
37	Primary iron and steel manufacturing .....	1,421	1,260	710	362	427	312	9,946	1,331	1,716	
38	Primary nonferrous metals manufacturing .....	1,613	660	764	1,770	2,082	1,271	2,531	2,222	548	
39	Metal containers .....										
40	Heating, plumbing, and fabricated structural metal products.....	91			499	86		11	89	1,286	
41	Screw machine products and stampings.....	428	367	382	677	1,144	230	11,822	579	223	
42	Other fabricated metal products.....	294	413	274	950	1,302	495	3,492	517	405	
43	Engines and turbines.....	94						1,582		1,018	
44	Farm and garden machinery .....								16	65	
45	Construction and mining machinery .....								23	3	
46	Materials handling machinery and equipment .....								419	568	112
47	Metalworking machinery and equipment .....	177	59	97	214	252	110				
48	Special industry machinery and equipment .....										
49	General industry machinery equipment .....	111	91	4	63	6	113	971	436	600	
50	Miscellaneous machinery, except electrical .....	179	80	84	530	426	63	1,692	743	313	
51	Office, computing, and accounting machines .....	21			37				(*)	5	
52	Service industry machines .....			281		13		1,946		136	
53	Electric industrial equipment and apparatus .....	2,436	756	250	674	252	247	292	117	225	
54	Household appliances .....		198							232	
55	Electric lighting and wiring equipment .....	248	278	365	740	202	125	865	5	257	
56	Radio, TV, and communication equipment .....	(*)		(*)	3,969	11	(*)	1,034	2,491	204	
57	Electronic components and accessories .....	944		362	16,914	11,968	861	512	1,762	12	
58	Miscellaneous electrical machinery and supplies .....	(*)	2	746	5	8	773	3,147	139	62	
59	Motor vehicles and equipment .....	1		1	86	6	4	48,063	2	732	
60	Aircraft and parts .....	60						28	11,427	67	
61	Other transportation equipment .....							35		1,183	
62	Scientific and controlling instruments .....	54	461	4	151	18	14	428	598	71	
63	Optical, ophthalmic, and photographic equipment .....	23	2	9	174	60	8	20	284	12	
64	Miscellaneous manufacturing .....	17	94	2	26	17	1	42	12	36	
65	Transportation and warehousing .....	503	239	272	928	1,322	441	1,607	1,204	351	
66	Communications, except radio and TV .....	133	43	42	434	349	45	91	323	90	
67	Radio and television broadcasting .....										
68	Private electric, gas, water, and sanitary services .....	581	367	251	929	1,587	361	1,770	1,009	358	
69	Wholesale and retail trade .....	1,343	764	696	2,794	2,941	675	5,519	1,050	1,154	
70	Finance and insurance .....		385	119	204	320	655	277	660	864	135
71	Real estate and rental .....		332	41	94	3,355	510	196	290	371	521
72	Hotels; personal and repair services (except auto) .....		124	52	74	543	484	101	110	726	45
73	Business services .....		835	918	469	3,672	2,698	502	3,622	2,854	627
74	Eating and drinking places .....		200	83	94	655	799	112	204	1,234	95
75	Automobile repair and services .....		44	20	21	92	265	40	4,037	124	51
76	Amusements .....		1		1	14	49	34	28	35	30
77	Health, educational, and social services and nonprofit organizations .....		13	16	10	98	115	7	144	.98	11
78	Federal Government enterprises .....		56	64	26	341	133	14	209	233	33
79	State and local government enterprises .....		8	5	5	18	29	8	40	15	3
80	Noncomparable imports .....	138		28	12	313	66	24	976	69	7
81	Scrap, used and secondhand goods .....			1	3			43	162		
82	Government industry .....										
83	Rest of the world industry .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
1	Total intermediate inputs .....	14,842	10,225	8,062	47,605	36,707	8,900	124,362	35,395	16,558	
VA	Value added .....	17,122	5,588	6,663	21,646	9,811	7,914	53,766	31,426	12,387	
T	Total industry output .....	31,964	15,813	14,724	69,251	46,518	16,813	178,128	66,821	28,945	

\* Less than \$500,000.

## SURVEY OF CURRENT BUSINESS

## by Industries, 1984—Continued

at producers' prices]

Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment	Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business services	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Commodity number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
			2	2						4	17	664		62	148	1
			28	6			31		23	39	1,050		15	173	2	
(*)	1	1	10	2	1	20	1,047	8	3,124	107	17	1,131		23	3	
6	2	10	3	6		11,474			11					242	4	
2			225			34,153								30	5	
			35											7	6	
105	99	159	4,259	5,966	55	7,388	4,743	763	23,170	1,060	1,035	1,039	640	1,358	2,284	11
98	3	35	133	2	(*)	7	5	476	2	12	(*)	126	41,205	3	4,337	12
343							1			207				52	59	16
275	17	68	58			70				23	3	28		25	23	17
33	1	23	111	64	(*)	5	106			487	57	60		139	543	18
1	1	10	120			21	143			630	14	84	(*)	64	599	19
39		594	37			88	1,010			5	119	31		119	70	20
5			7	(*)			21				2				21	22
277	679	463	114	63	8	73	3,621	836	98	230	911	241	20	35	1,805	24
224	501	63	22	1	9	1,279	2	80	73	935	1	1	149		25	
100	34	78	524	329	38	136	2,951	3,913	685	420	3,957	192	26	132	7,640	26
234	1,638	555	125	19	20	522	50	13	300	217	773	100	7	78	5,654	27
225	171	706														28
3			(*)	5	82		2	185	10	8	847	353	165	5	7,948	29
25	1	156	34	57						1	82		527	1	20	30
228	188	266	21,837	330	19	20,747	11,466	1,145	884	856	2,595	537	1,825	435	4,002	31
1,104	1,286	1,022	1,087		128	1	93	1,682	86	437	600	650	1,575	114	164	3,105
			67													33
6	1	57	9	1	1	1	130	15	4	68	10	2	(*)	24	37	34
133	246	19	20	4	(*)	2	28	14	2	182	51	218	331	1	315	35
81	78	100	69	28		15	109	4	24	194	33	204	658	4	73	36
403	71	568	177	(*)		13	1			3	6				12	37
680	472	1,127	96	110		30				7		20		7		38
14						8	176					55				39
51	23	5				26				172					6	40
515	224	138	75	131		75				26	90	411	2,448	18	187	41
413	241	357	579	55	1	165	490	21	9	84	291	127	1,646	28	204	42
		5	244	203		1,391		8		78			125	67		43
												407				44
												318			1	45
												239				46
117	27	37	80	2	(*)	22	151			158		13	(*)			47
							63			130	95					48
34	58	16	456	94		90	4	21	10	497			7			49
185	100	100	117	8	2	78	628			66	233	3	319	7	34	50
28			9			3	22	46	5	723	279					51
422	71	99	196			196	3			37	22	301	665	31	146	52
			19	(*)		25	6	36	677	67	1	(*)			1	53
81	34	51	63	19	1	172	87	35	68	29	193	69	201	32	243	54
2	(*)	10	74	1,954	42	7	120	39	(*)	44	50	2	99	9	102	55
994	2,087	126	80	921	381	4	17	106		1,072	1,835					186
18	16	1	67	16	(*)	7	154	24	14	11	130	13	541	2	668	58
4	3	3	407	239	1	34	506	43	25	17	163	22	8,739	37	89	59
			1,909			130						347				60
			14	1,064	10	2	11	51		5	405		10	263		61
615	22	9	45	1	(*)	229	110	1	1	38	62	(*)	16	(*)	3,738	62
19	892	16	45	23	241	57	293	216	81	525	1,710	6	2	207	1,170	63
38	4	1,166	106	60	5	30	767	336	79	835	1,646	184	18	130	667	64
348	578	708	29,824	548	226	3,297	12,850	2,536	592	439	5,167	2,253	1,957	737	4,961	65
163	160	218	1,844	1,972	138	573	9,498	5,249	1,012	1,119	5,619	811	809	501	3,844	66
						130						347				67
412	319	431	2,568	1,392	248	52,820	20,969	3,911	6,927	4,641	3,043	4,848	1,341	1,583	9,288	68
967	753	1,405	4,531	385	83	2,040	8,094	813	1,262	1,239	2,399	7,838	342	4,925		69
175	189	243	3,568	662	214	1,238	9,076	62,550	12,961	1,970	2,646	3,462	477	718	2,797	70
282	218	483	3,119	2,302	1,139	935	34,211	7,606	46,523	3,787	10,626	5,991	1,685	2,675	34,774	71
62	108	86	522	237	150	276	2,761	1,340	140	1,161	2,566	904	179	483	2,256	72
1,111	1,409	1,653	9,530	4,075	927	2,238	70,338	25,436	11,868	5,037	28,550	7,638	2,786	5,109	20,809	73
251	324	196	2,255	408	296	222	11,445	2,644	1,439	577	4,259	290	190	646	3,707	74
235	85	81	4,138	240	13	273	10,067	844	337	598	2,847	267	342	728	2,199	75
35	24	13	75	5	4,496	14	1,512	6	(*)	32	394	1,800	(*)	6,793	720	76
72	114	96	392	134	53	210	789	1,033	207	615	1,466	342	54	339	5,146	77
75	50	122	288	410	21	398	3,495	6,063	1,197	268	2,324	245	47	107	2,208	78
10	8	10	201	101	31	39	466	72	98	110	88	144	74	25	248	79
98	62	1,096	6,635	2,405	105	9	1,184	1,453	7	35	791	71	108	58	80	80
			4							25			174			81
																82
																83
																84
12,472	13,347	16,137	104,285	26,218	9,117	142,139	229,978	129,488	113,930	32,334	92,266	86,975	37,119	25,096	144,579	85
13,807	10,495	12,144	125,479	75,403	11,804	116,665	434,016	145,228	467,446	52,814	247,230	78,432	43,448	27,517	229,304	I VA
26,278	23,842	28,281	229,764	101,621	20,921	258,804	663,993	274,716	581,377	85,148	339,596	165,407	80,567	52,614	373,884	T

Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity  For the composition of inputs to an industry, read the column for that industry	Industry number	Federal Government enterprises	State and local government enterprises	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total intermediate use
			78	79	82	83	84	85	
1	Livestock and livestock products.....	6							74,277
2	Other agricultural products.....	745	2						54,150
3	Forestry and fishery products.....	14							8,512
4	Agricultural, forestry, and fishery services.....	1	15						16,390
5	Iron and ferroalloy ores mining.....								3,148
6	Nonferrous metal ores mining.....								3,297
7	Coal mining.....	1,759	1,307						24,223
8	Crude petroleum and natural gas.....								163,494
9	Stone and clay mining and quarrying.....								7,528
10	Chemical and fertilizer mineral mining.....			7					2,117
11	New construction.....								
12	Repair and maintenance construction.....	690	9,538						85,821
13	Ordnance and accessories.....	(*)	(*)	1					2,115
14	Food and kindred products.....	1,483							116,630
15	Tobacco manufactures.....								4,277
16	Broad and narrow fabrics, yarn and thread mills.....	10							35,554
17	Miscellaneous textile goods and floor coverings.....	3							8,601
18	Apparel.....	3	12						11,823
19	Miscellaneous fabricated textile products.....	119	5						7,254
20	Lumber and wood products, except containers.....								49,471
21	Wood containers.....								598
22	Household furniture.....								757
23	Other furniture and fixtures.....								1,573
24	Paper and allied products, except containers.....	68	35						59,688
25	Paperboard containers and boxes.....	23	1						21,282
26	Printing and publishing.....	314	84						35,629
27	Chemicals and selected chemical products.....	7	346						90,156
28	Plastics and synthetic materials.....								35,363
29	Drugs, cleaning and toilet preparations.....	39	30						16,986
30	Paints and allied products.....	1	1						9,014
31	Petroleum refining and related industries.....	708	2,668						125,847
32	Rubber and miscellaneous plastics products.....	31	75						58,710
33	Leather tanning and finishing.....	1							1,999
34	Footwear and other leather products.....	22	1						958
35	Glass and glass products.....	2	2						12,081
36	Stone and clay products.....	1	73						37,018
37	Primary iron and steel manufacturing.....	1							76,404
38	Primary nonferrous metals manufacturing.....	6	1						57,046
39	Metal containers.....								12,003
40	Heating, plumbing, and fabricated structural metal products.....	1	1						31,641
41	Screw machine products and stampings.....	40	10						28,388
42	Other fabricated metal products.....	12	11						38,423
43	Engines and turbines.....	13	51						9,475
44	Farm and garden machinery.....								2,822
45	Construction and mining machinery.....	1							3,857
46	Materials handling machinery and equipment.....	2							2,706
47	Metalworking machinery and equipment.....	5	17						7,897
48	Special industry machinery and equipment.....								3,379
49	General industrial machinery equipment.....	9	8						14,598
50	Miscellaneous machinery, except electrical.....		57						14,572
51	Office, computing, and accounting machines.....	7							14,784
52	Service industry machines.....	10	10						10,954
53	Electric industrial equipment and apparatus.....	(*)	548						18,282
54	Household appliances.....	1	27						2,043
55	Electric lighting and wiring equipment.....	23	115						12,051
56	Radio, TV, and communication equipment.....	8	5						13,759
57	Electronic components and accessories.....	2	29						45,873
58	Miscellaneous electrical machinery and supplies.....	5	18						8,092
59	Motor vehicles and equipment.....	53	103						60,944
60	Aircraft and parts.....								15,499
61	Other transportation equipment.....	14	98						3,466
62	Scientific and controlling instruments.....	3	7						9,760
63	Optical, ophthalmic, and photographic equipment.....	21	22						7,435
64	Miscellaneous manufacturing.....	80	36						7,855
65	Transportation and warehousing.....	3,266	673						136,700
66	Communications, except radio and TV.....	169	83						43,923
67	Radio and television broadcasting.....								504
68	Private electric, gas, water, and sanitary services.....	542	7,719						197,158
69	Wholesale and retail trade.....	449	815						172,986
70	Finance and insurance.....	76	146						125,845
71	Real estate and rental.....	850	325						202,245
72	Hotels; personal and repair services (except auto).....	87	80						21,453
73	Business services.....	966	693						328,504
74	Eating and drinking places.....	91	248						43,132
75	Automobile repair and services.....	277	67						35,341
76	Amusements.....	30	1						16,610
77	Health, educational, and social services and nonprofit organizations.....	23	39						14,148
78	Federal Government enterprises.....	586	78						24,065
79	State and local government enterprises.....	21	8						2,905
80	Noncomparable imports.....	538							25,590
81	Scrap, used and secondhand goods.....								5,406
82	Government industry.....								
83	Rest of the world industry.....								
84	Household industry.....								
85	Inventory valuation adjustment.....								
I	Total intermediate inputs.....	14,333	26,424						3,117,760
VA	Value added.....	27,886	27,108	379,595	47,095	9,240	-6,190		
T	Total industry output.....	42,218	53,531	379,595	47,095	9,240	-6,190		

\* Less than \$500,000.

## by Industries, 1984—Continued

at producers' prices]

Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports	Imports	Federal Government purchases			State and local government purchases			Total final demand	Total commodity output	Commodity number		
					Total	National defense	Nondefense	Total	Education	Other					
					91	92	93	94	95	96	97	98	99		
3,365		-1,305	373	-806	6	1	5	107	49	58	1,740	76,017	1		
13,223		8,047	21,055	-2,320	-1,245		-1,245	753	350	403	39,513	93,663	2		
3,422		55	350	-2,708	-647		-647	-190	8	281		8,793	3		
730			50	-7	118	10	108	804	323	481		18,085	4		
		-124	474	-680	-12	-12						-343	2,805	5	
	536		137	-1,062	3	3	(*)					-386	2,911	6	
290			3,294	-44	78	67	11	216	98	118		3,297	27,520	7	
	430	3,884	2,339	-34,786	2,090	2	2,088					-26,044	137,450	8	
13		115	305	-430	1	1							7,448	9	
2		-72	133	-474	2			-84				-80	1,892	10	
	283,312		12	11,860	4,924	6	6,935	47,020	5,541	41,479		342,203	342,203	11	
		16,609	63	8,788	6,901	1,888	23,513	8,137				48,972	134,793	12	
985	82	1,101	2,335	-490	16,485	15,547	938	85				85	20,584	13	
180,820	2,024	11,326	-15,538	-2,128	179	-2,307		6,279	4,009	2,270			182,782	299,412	14
16,650		348	2,339	-419									18,918	23,195	15
1,023		505	989	-2,737	30	24	118	50				-73	35,481	16	
3,530	1,556	343	632	-797	21	4	44	7				5,329	13,930	17	
57,858		2,135	878	-17,893	771	771		663	13			649	44,411	18	
6,482		698	472	-886	63	41	22	382	61			320	14,464	19	
834	15	1,542	2,535	-4,928	30	24	6	136	92			44	49,635	20	
		-1	7	-15	6	4	2					-3	595	21	
13,224	1,108	1,244	268	-1,545	65	11	54	125	87			38	14,488	22	
1,137	10,728	214	338	-1,294	123	28	1,414	842				572	12,661	23	
11,262		1,384	3,819	-7,591	165	48	117	2,251				968	1,283	24	
285		267	253	-97	60	40	21	201				78	11,289	25	
20,248		711	1,454	-1,016	661	306	355	6,654	3,830			2,824	28,712	26	
2,181	1,003	1,057	14,623	-10,897	3,658	1,542	2,116	1,882	634			1,248	13,506	27	
		541	4,200	-1,517	98	94	5	4	4			1	3,326	28	
33,309		1,370	3,182	-3,751	412	244	168	3,064	409			2,655	37,585	29	
315		453	265	-90	4	1	3	232	189			44	1,179	30	
68,292		155	8,448	-24,432	3,817	4,672	-856	7,654	3,551			4,103	63,934	31	
10,519	86	1,845	3,100	-6,108	590	486	104	1,195	258			937	69,937	32	
		-12	326	-431	1	1	(*)					-116	1,884	33	
11,986		693	210	-6,675	40	34	6	70				70	6,324	34	
1,165		317	680	-1,287	27	17	10	606	167			439	1,507	35	
2,013		1,175	1,103	-3,187	100	52	49	176	71			106	1,380	36	
8	15	882	1,318	-12,670	200	163	37	48	9			39	-10,199	37	
56	101	1,756	2,921	-7,956	443	334	109	38	2			36	-2,642	38	
	42	106	131	-151	79	79		46	44			2	254	39	
557	3,572	1,519	1,190	-522	1,157	1,075	82						7,472	40	
1,348		938	1,933	-1,816	127	89	38	305	230				2,834	41	
3,040		2,453	1,230	-4,497	755	536	219	314	152				5,376	42	
1,069		1,498	314	-2,154	1,556	1,518	38	310					5,709	43	
200		9,210	420	-1,376	-1,841	26	22	167	43				9,558	44	
	10,342	44	5,232	-2,126	207	183	25	736					12,380	45	
4,163		77	443	-798	226	210	16	6	3			3	14,434	46	
456		11,851	390	1,721	-3,161	178	150	29	134	77		57	11,569	47	
263		371	1,981	-3,274	104	79	25	57	55			2	10,586	48	
	8,637	582	4,013	-4,562	772	740	32	93				93	9,535	49	
316	60	273	1,009	-22	695	645	50	74	36			38	2,405	50	
2,457		34,062	13,538	-11,514	3,435	2,359	1,077	805	487			318	45,241	51	
756		5,811	1,173	-791	106	71	36	554	421			134	8,337	52	
104		10,595	1,315	3,397	-2,870	1,527	1,290	237	299	107		192	43,799	53	
10,602		2,390	1,009	994	-2,410	45	40	6	169	67		101	12,798	54	
1,992		193	794	1,075	-1,911	92	68	24	339	246		93	2,574	55	
13,296		28,778	5,400	4,402	-17,325	18,673	17,451	1,222	608	416		192	53,831	56	
1,735		151	2,507	7,580	-12,588	2,161	1,703	458	119	41		78	1,664	57	
4,315		549	1,775	-3,169	324	244	80	305	38			268	8,459	58	
72,451		61,981	8,085	17,006	-51,067	3,412	3,066	346	4,389	1,167			3,421	116,457	59
79		6,587	3,960	13,901	-3,352	27,980	26,898	1,082	14				14	49,169	60
10,795		7,076	323	1,138	-2,695	7,643	6,731	912	997				941	25,278	61
3,053		9,727	757	3,724	-3,650	1,543	1,088	455	1,296	120			192	28,744	62
3,776		9,810	723	3,000	-4,903	1,656	1,008	647	1,716	790			926	16,449	63
21,976		2,383	2,243	1,926	-11,211	158	84	75	1,622	980			642	15,778	64
58,379		3,447	829	20,260	-1,035	6,739	5,776	963	7,528	4,515			3,014	19,096	65
46,874	4,026		1,581			2,245	1,516	729	2,972	1,495			1,477	26,951	66
1,006													57,698	101,621	67
95,207													1,006	1,510	68
403,003	41,387	4,088	21,423	11,903	5,570	4,689	881	5,889	4,651				6,149	106,376	69
133,637					6,858	-866	761	18	5,356	2,334			3,556	66,247	70
357,499		14,445			6,519		2,785	928	1,857	6,517			5,937	493,262	71
61,310					71		1,120	813	307	581			5,708	146,680	72
35,065					4,444	-139	19,893	12,132	7,761	12,546			4,520	387,765	73
128,224					146		317	219	98	-3,906			8,026	71,808	74
44,408					5		151	98	53	1,256			-5,691	124,781	74
34,060					-258		1,609	-72	309	321			1,786	167,913	75
351,213					537		6,379	658	5,721	1,174			270	45,820	75
5,291					142		184	227	-42	887			51	36,035	76
9,767					1		144	95	49	154			803	52,645	77
26,851	287	491			-61,197	7,950	6,872	1,078	28	23			71	379,393	78
20,104	-27,669	1,118	2,886	-1,078	130,275	93,840	36,435	1,667	328	1,339			1,122,28		

Table 2.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agricul- tural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining	
		Commodity number	1	2	3	4	5	6	7	8	9	10
1	Livestock and livestock products.....	76,009		126	1,024							
2	Other agricultural products.....		93,663	1,116	1,711							
3	Forestry and fishery products.....			7,551		15,274						
4	Agricultural, forestry, and fishery services.....											
5	Iron and ferroalloy ores mining.....					2,666	12					
6	Nonferrous metal ores mining.....					133	2,882	4	(*)	4		3
7	Coal mining.....					9	27,507	3	137,166	15		
8	Crude petroleum and natural gas.....					7	1	5	3	(*)	7,063	
9	Stone and clay mining and quarrying.....					6				5		1,845
10	Chemical and fertilizer mineral mining.....											
11	New construction.....											
12	Repair and maintenance construction.....											
13	Ordnance and accessories.....		8									
14	Food and kindred products.....											
15	Tobacco manufactures.....											
16	Broad and narrow fabrics, yarn and thread mills.....											
17	Miscellaneous textile goods and floor coverings.....											
18	Apparel.....											
19	Miscellaneous fabricated textile products.....											
20	Lumber and wood products, except containers.....											
21	Wood containers.....											
22	Household furniture.....											
23	Other furniture and fixtures.....											
24	Paper and allied products, except containers.....											
25	Paperboard containers and boxes.....											
26	Printing and publishing.....											
27	Chemicals and selected chemical products.....								80		44	
28	Plastics and synthetic materials.....											
29	Drugs, cleaning and toilet preparations.....									2		
30	Paints and allied products.....											
31	Petroleum refining and related industries.....									83		
32	Rubber and miscellaneous plastics products.....									3		
33	Leather tanning and finishing.....											
34	Footwear and other leather products.....											
35	Glass and glass products.....											
36	Stone and clay products.....									267		
37	Primary iron and steel manufacturing.....									7		
38	Primary nonferrous metals manufacturing.....								(*)			
39	Metal containers.....											
40	Heating, plumbing, and fabricated structural metal products.....											
41	Screw machine products and stampings.....											
42	Other fabricated metal products.....											
43	Engines and turbines.....											
44	Farm and garden machinery.....											
45	Construction and mining machinery.....											
46	Materials handling machinery and equipment.....											
47	Metalworking machinery and equipment.....											
48	Special industry machinery and equipment.....											
49	General industrial machinery equipment.....											
50	Miscellaneous machinery, except electrical.....											
51	Office, computing, and accounting machines.....											
52	Service industry machines.....											
53	Electric industrial equipment and apparatus.....											
54	Household appliances.....											
55	Electric lighting and wiring equipment.....											
56	Radio, TV, and communication equipment.....											
57	Electronic components and accessories.....											
58	Miscellaneous electrical machinery and supplies.....											
59	Motor vehicles and equipment.....											
60	Aircraft and parts.....											
61	Other transportation equipment.....											
62	Scientific and controlling instruments.....											
63	Optical, ophthalmic, and photographic equipment.....											
64	Miscellaneous manufacturing.....											
65	Transportation and warehousing.....						77					
66	Communications, except radio and TV.....											
67	Radio and television broadcasting.....											
68	Private electric, gas, water, and sanitary services.....											
69	Wholesale and retail trade.....									201		
70	Finance and insurance.....											
71	Real estate and rental.....											
72	Hotels; personal and repair services (except auto).....											
73	Business services.....											
74	Eating and drinking places.....											
75	Automobile repair and services.....											
76	Amusements.....											
77	Health, educational, and social services and nonprofit organizations.....											
78	Federal Government enterprises.....											
79	State and local government enterprises.....											
82	Government industry.....											
83	Rest of the world industry.....											
84	Household industry.....											
85	Inventory valuation adjustment.....											
T	Total commodity output.....	76,017	93,663	8,793	18,085	2,805	2,911	27,520	137,450	7,448	1,892	

\* Less than \$500,000.

## by Industries, 1984

at producers' prices]

New construction	Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Industry number
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
			4,375 691						204								1
			(*)														2
342,203	134,794	20,639	293,552	23,140	34,733 174 179	279 13 52	324 60 246	1,298 69		10 1	39 61	116 80					3
					5 (*)	150 2	20 6	36	12,318 2	6 42 515	9 38 2	5 37 1	74 79 9	1 12 3	14 64	92 1 952	4
						1 11 18	31 7 80	49	48,686 62 (*)	68,605	15 32 9	15 32 6	15 12 9	401 20 64	15 14 15	10 11 12	
					10	51 (*)	3 4	185	125	14,879 1 48	13,606 2	32 9	21,739 53 77	382 283 63,104	19 7 23	16 17 18	
					20	364 14 322 3	214	97	15 6 2	15 2	15 2	172 8 19	68 6	81,494 2,463 6,176 161	24 25 26 30	22 23 24 30	
					51	46 2	51	148	40 (*) 4	45 21	61	12	167	38	47	13,466 412	31 32 33
					52	1 5 4	3 28	34 8	31 2 3	9 46	4	(*)	5	11	6	34	
					52	15	1	1	33	1	1	1	130 11 12	11	(*) 106 308	35 36 37	
					53	7 43 52	5 2	28	8	46	4	3	29	21 11	231	38	
					54	7 5 3 9	15	10	6 23 8	3 4 31	2	5	11 1 1 5	78 249 30	13 39 44		
					55	7 52 51	2 1	9	3 1 29	2 (*)	5	5	11 8 3 4 1 43	2 1 30 220 87 87	29 44 45 46 47 48		
					56	7 5 3 9	15	10	6 23 8	3 4 31	2	5	5 11 1 1 43 23	1 1 57 4 21 21	24 49 50 51 52 53		
					57	17 57 627	4	21	8	4 4	9 1 1	1 28 8	11 2 2 2 22	1 11 16 1 1	9 54 55 56 57		
					58	51	11	5	3	3	8 1 1	122 26	48 40	28 43	59		
					59	679	21	34	3						60		
					60	57 21 2	1	23	11		19 1 1		10		61		
					61	10 2 10	3 10	7	8		21 9 9	93 88 43	6 32 4	110 197 79	62		
					62	10 (*)	6 2	28	72	30	58	8 8	43	4	189	63	
					63										334	64	
					64											65	
					65											66	
					66											67	
					67											68	
					68											69	
					69											70	
					70											71	
					71											72	
					72											73	
					73											74	
					74											75	
					75											76	
					76											77	
					77											78	
					78											79	
					79											80	
					80											81	
					81											82	
					82											83	
					83											84	
					84											85	
					85												
342,203	134,794	22,700	299,412	23,195	35,481	13,930	56,234	14,464	49,635	595	15,245	14,234	70,977	22,251	64,341	103,662	T

Table 2.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
		Commodity number	28	29	30	31	32	33	34	35
1	Livestock and livestock products.....									
2	Other agricultural products.....									
3	Forestry and fishery products.....									
4	Agricultural, forestry, and fishery services.....									
5	Iron and ferroalloy ores mining.....									
6	Nonferrous metal ores mining.....									
7	Coal mining.....									
8	Crude petroleum and natural gas.....					9,654				
9	Stone and clay mining and quarrying.....					46				
10	Chemical and fertilizer mineral mining.....									
11	New construction.....									
12	Repair and maintenance construction.....									
13	Ordnance and accessories.....						6			
14	Food and kindred products.....	11	350		1		130			
15	Tobacco manufactures.....									
16	Broad and narrow fabrics, yarn and thread mills.....	1,888	(*)		5	72		1	5	80
17	Miscellaneous textile goods and floor coverings.....	74	9	4	2	114	(*)	1		
18	Apparel.....	4				9	(*)	41		
19	Miscellaneous fabricated textile products.....	2	4			30		4		
20	Lumber and wood products, except containers.....			13	1	5	85			
21	Wood containers.....					3		(*)	7	11
22	Household furniture.....					33		5	69	
23	Other furniture and fixtures.....	13				56		2		2
24	Paper and allied products, except containers.....	26	15	4	4	468		214		38
25	Paperboard containers and boxes.....					44		2	23	
26	Printing and publishing.....					5		1		
27	Chemicals and selected chemical products.....	4,385	1,322	152	1,657	78	3			114
28	Plastics and synthetic materials.....	31,064	110	51		927				12
29	Drugs, cleaning and toilet preparations.....	254	51,958	51		75				15
30	Paints and allied products.....	211	9	9,788	3	10				11
31	Petroleum refining and related industries.....	172	126	29	178,117	40				121
32	Rubber and miscellaneous plastics products.....	353	74	13	4	65,571	1	38	8	91
33	Leather tanning and finishing.....				1	2	1,878	11		
34	Footwear and other leather products.....					24		7,137		2
35	Glass and glass products.....	23		5		57			13,134	8
36	Stone and clay products.....	99	17	17	83	178		(*)	67	37,327
37	Primary iron and steel manufacturing.....					6				12
38	Primary nonferrous metals manufacturing.....					102			101	53
39	Metal containers.....					25			6	
40	Heating, plumbing, and fabricated structural metal products.....			5	2	125			59	36
41	Screw machine products and stampings.....	20				64			1	4
42	Other fabricated metal products.....	25	15	32	1	202	(*)	4	2	29
43	Engines and turbines.....					11				
44	Farm and garden machinery.....					13				
45	Construction and mining machinery.....					22				2
46	Materials handling machinery and equipment.....					2				
47	Metalworking machinery and equipment.....	5	21		1	44				5
48	Special industry machinery and equipment.....		7	2		16				22
49	General industrial machinery equipment.....	3	3	2		96			16	2
50	Miscellaneous machinery, except electrical.....					5				12
51	Office, computing, and accounting machines.....					63	1			
52	Service industry machines.....			11		15		(*)		4
53	Electric industrial equipment and apparatus.....			15		62		4	40	
54	Household appliances.....				1	34		1		
55	Electric lighting and wiring equipment.....				1	19	2	20		7
56	Radio, TV, and communication equipment.....	15				47				10
57	Electronic components and accessories.....					68				20
58	Miscellaneous electrical machinery and supplies.....		10			18		6	1	5
59	Motor vehicles and equipment.....	10		27	10	9				50
60	Aircraft and parts.....				5	155				16
61	Other transportation equipment.....					6				
62	Scientific and controlling instruments.....					60		6	57	
63	Optical, ophthalmic, and photographic equipment.....	42	12	7	2	186	(*)	14	(*)	12
64	Miscellaneous manufacturing.....	66		3		239				26
65	Transportation and warehousing.....									
66	Communications, except radio and TV.....									
67	Radio and television broadcasting.....									
68	Private electric, gas, water, and sanitary services.....					84				
69	Wholesale and retail trade.....									
70	Finance and insurance.....									
71	Real estate and rental.....									
72	Hotels; personal and repair services (except auto).....									
73	Business services.....									
74	Eating and drinking places.....									
75	Automobile repair and services.....									
76	Amusements.....									
77	Health, educational, and social services and nonprofit organizations.....									
78	Federal Government enterprises.....									36
79	State and local government enterprises.....									
82	Government industry.....									
83	Rest of the world industry.....									
84	Household industry.....									
85	Inventory valuation adjustment.....									
T	Total commodity output.....	38,689	54,571	10,194	189,781	69,937	1,884	7,282	13,589	38,398

\* Less than \$500,000.

## by Industries, 1984—Continued

at producers' prices

Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Industry number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
																1
																2
																3
																4
																5
																6
																7
																8
																9
																10
																11
																12
17	3	1	109	8	38	24	43	1	2	1	30	47	6	12		2
			26	27	45	4						14				12
						4						32				
						5						16	4			
												1				
1	1					1						(*)	4			
	4					80		2				5	7			
						1						3	2			
10	11		24	6	37		3					6				
	5		27	9	16		3					3	4			
			8		165							10	3			
												17	8			
												1				
												15	3			
												11	16			
												16	113			
												16				
6	6	16	18	12	21	30						11	22			
	65	18	19	19	103							3				
												16				
												113				
												22				
												6	18			
												1				
												8				
31	24	74	4	49	33	163						153	37	10		
												37	46	29	45	10
												1				33
												3	1			34
												13				35
4	15	5	22									4				36
	6	52	1	55								43	9			37
64,273	428	173	144	1,683								105	9			38
332	52,350	17	97	319								138	15			39
												10	1			40
												1				41
												12				42
												14				43
												145				44
												241				45
												114				46
												48	22			47
												20	11			48
												186	20			49
												110	12,718			50
												110	149			51
												75	131			52
												36	109			53
												12,718	21,839			54
												113	113			55
												16,223	6			56
												10	10			57
												55,464	4			58
												10	51			59
												116	7			60
												13	111			61
												7	13			62
												116	116			63
												10	10			64
												5	8			65
												8	10			66
												17	28			67
												17	501			68
												21	2,121			69
												61	61			70
												16	48			71
												54	78			72
												76	220			73
												54	54			74
												78	24			75
												24	354			76
												174	100			77
												41	43			78
												11	7			79
												11	15			80
												16	104			81
												25	261			82
												6	11			83
												20	20			84
												10				85
66,205	54,405	12,257	39,113	31,222	43,799	15,184	12,380	18,291	6,823	19,466	13,965	24,132	16,977	60,025	19,291	T

Table 2.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry	Commodity number	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communi- cation equipment	Electronic components and accessories	Mis- cel- laneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other trans- portation equipment
			53	54	55	56	57	58	59	60	61
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5	Iron and ferroalloy ores mining										
6	Nonferrous metal ores mining										
7	Coal mining										
8	Crude petroleum and natural gas										
9	Stone and clay mining and quarrying										
10	Chemical and fertilizer mineral mining										
11	New construction										
12	Repair and maintenance construction										
13	Ordnance and accessories	42	1	2	902	15	1	102	988	137	
14	Food and kindred products		5								
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings	1					9		4		
18	Apparel						3				
19	Miscellaneous fabricated textile products										
20	Lumber and wood products, except containers		3	(*)	15	3			20		
21	Wood containers			1							
22	Household furniture	50	3	6	14	11			5		
23	Other furniture and fixtures		3	6	16	4	9		15		3
24	Paper and allied products, except containers	3		2	212	6	14				
25	Paperboard containers and boxes										
26	Printing and publishing				28						
27	Chemicals and selected chemical products	4			19	128	71		20		2
28	Plastics and synthetic materials					10		43			
29	Drugs, cleaning and toilet preparations										
30	Paints and allied products	1									
31	Petroleum refining and related industries										
32	Rubber and miscellaneous plastics products	16	21	26	12	55	10	92	46	26	
33	Leather tanning and finishing							4			
34	Footwear and other leather products						1		1		
35	Glass and glass products	6	12	14	12			32			
36	Stone and clay products	17		42	40	32	7	15	19		4
37	Primary iron and steel manufacturing	17		91		23			252		5
38	Primary nonferrous metals manufacturing	50	3	22	18	27	60	186	16		6
39	Metal containers				2			9			
40	Heating, plumbing, and fabricated structural metal products	59	85	27	31	9	33	106	48	45	
41	Screw machine products and stampings	46	178	26		28	37	71	16		27
42	Other fabricated metal products	96	26	41	27	28	24	54	42		22
43	Engines and turbines	539	13		20			238	77		6
44	Farm and garden machinery	4	13	8	9		4	38	21		46
45	Construction and mining machinery	42			31			139	3		30
46	Materials handling machinery and equipment	13			8		2	55	6		13
47	Metalworking machinery and equipment	39	7	9	12	31	1	68	34		3
48	Special industry machinery and equipment	10	8	3	7	6	3	29	2		33
49	General industrial machinery equipment	96	52	35	12	80	7	233	33		43
50	Miscellaneous machinery, except electrical	10	7	6	8	13	34	422	44		2
51	Office, computing, and accounting machines	123	23	34	105	1,829	56		60		31
52	Service industry machines	14	330	15	21	16	42	689			5
53	Electric industrial equipment and apparatus	29,783	25	177	184	480	44	61	17		3
54	Household appliances	48	14,723	11	41		32	42	29		
55	Electric lighting and wiring equipment	182		13,313	134	196	56	145			7
56	Radio, TV, and communication equipment	464	10	69	64,524	1,242	13	103	91		5
57	Electronic components and accessories	148	12	166	424	42,523	95	40	48		
58	Miscellaneous electrical machinery and supplies	135	2	51	54	87	15,407	399	30		
59	Motor vehicles and equipment	214	75	116	5		380	173,285	149		109
60	Aircraft and parts	105		77	410	174		76	62,679		162
61	Other transportation equipment	91	1	4	3	19		221	30		27,934
62	Scientific and controlling instruments	206	31	57	232	137	47	114	42		5
63	Optical, ophthalmic, and photographic equipment	26	11	156	167	107	26	17	52		
64	Miscellaneous manufacturing	1	6	13	32	15	7	5	10		19
65	Transportation and warehousing										
66	Communications, except radio and TV										
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services										
69	Wholesale and retail trade										
70	Finance and insurance										
71	Real estate and rental										
72	Hotels; personal and repair services (except auto)										
73	Business services										
74	Eating and drinking places										
75	Automobile repair and services										
76	Amusements										
77	Health, educational, and social services and nonprofit organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	Government industry										
83	Rest of the world industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	32,648	15,741	14,625	67,590	47,538	16,551	177,401	64,668	28,744	

\* Less than \$500,000.

## by Industries, 1984—Continued

at producers' prices]

Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment	Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business services	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Industry number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
																113 199
				20												1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 82 83 84 85
																6,985
11	13	19														
38		19														
6		12														
29		46														
9		25														
14		17														
26	13	25														
37	6	21														
41	66	175														
		(*)														
14	34	107														
141	373	61														
141	27															
	1	61														
		3														
		3														
58	13	118														
		2														
4	2	14														
29		9														
30		25														
	21	1														
13		24														
		90														
40		18														
19	3	41														
245		63														
25																
6		7														
41		10														
9																
52	1	13														
39	8	7														
69	16	7														
9	7	2														
233	134	25														
36		19														
214	38	1														
30		15														
25	12	19														
248	150	19														
99	60	70														
36	11	2														
85	4	29														
233	3	81														
8		4														
23,487	291	53														
189	21,893	37														
78	2	25,610														
		226,284		101,621		3,074				121						
					1,510		258,070									
							663,993									
								272,436		1,125						
										581,377						
										557						
										2,343						
										38						
											337,215					
												165,407				
													80,567			
														51,925		
															373,451	
																T
26,209	23,213	26,951	232,847	101,621	1,510	303,534	666,247	272,525	590,010	84,534	400,312	167,913	81,161	52,645	373,451	

Table 2.—The Make of Commodities by Industries, 1984—Continued

[Millions of dollars at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry	Commodity number	Federal Government enterprises	State and local government enterprises	Scrap and used goods	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total industry output		
			78	79	81	82	83	84	85			
1	Livestock and livestock products...									81,646		
2	Other agricultural products...									97,603		
3	Forestry and fishery products...									7,551		
4	Agricultural, forestry, and fishery services...									15,274		
5	Iron and ferroalloy ores mining...									2,678		
6	Nonferrous metal ores mining...									3,027		
7	Coal mining...									27,531		
8	Crude petroleum and natural gas...									153,921		
9	Stone and clay mining and quarrying...									7,251		
10	Chemical and fertilizer mineral mining...									2,846		
11	New construction...									342,203		
12	Repair and maintenance construction...									134,794		
13	Ordnance and accessories...									23,372		
14	Food and kindred products...									294,714		
15	Tobacco manufactures...								1	23,172		
16	Broad and narrow fabrics, yarn and thread mills...									38,957		
17	Miscellaneous textile goods and floor coverings...									13,624		
18	Apparel...									56,329		
19	Miscellaneous fabricated textile products...									12,747		
20	Lumber and wood products, except containers...									49,414		
21	Wood containers...									578		
22	Household furniture...									1	15,407	
23	Other furniture and fixtures...									4	14,113	
24	Paper and allied products, except containers...									5	71,316	
25	Paperboard containers and boxes...									(*)	22,281	
26	Printing and publishing...									27	104,055	
27	Chemicals and selected chemical products...									5	91,219	
28	Plastics and synthetic materials...									1	35,181	
29	Drugs, cleaning and toilet preparations...									2	54,936	
30	Paints and allied products...									(*)	10,205	
31	Petroleum refining and related industries...									9	192,318	
32	Rubber and miscellaneous plastics products...										68,457	
33	Leather tanning and finishing...										1,903	
34	Footwear and other leather products...										7,288	
35	Glass and glass products...										13,434	
36	Stone and clay products...										38,852	
37	Primary iron and steel manufacturing...										5	67,964
38	Primary nonferrous metals manufacturing...										16	54,325
39	Metal containers...										2	12,449
40	Heating, plumbing, and fabricated structural metal products...										28	38,839
41	Screw machine products and stampings...										(*)	30,655
42	Other fabricated metal products...										32	41,423
43	Engines and turbines...										174	15,177
44	Farm and garden machinery...										1	12,910
45	Construction and mining machinery...										181	19,093
46	Materials handling machinery and equipment...										35	6,670
47	Metalworking machinery and equipment...										39	18,403
48	Special industry machinery and equipment...										191	13,915
49	General industrial machinery equipment...										26	24,389
50	Miscellaneous machinery, except electrical...										7	17,300
51	Office, computing, and accounting machines...										330	59,026
52	Service industry machines...										6	19,901
53	Electric industrial equipment and apparatus...										58	31,964
54	Household appliances...										6	15,813
55	Electric lighting and wiring equipment...										(*)	14,724
56	Radio, TV, and communication equipment...										627	69,251
57	Electronic components and accessories...										14	46,518
58	Miscellaneous electrical machinery and supplies...										4	16,813
59	Motor vehicles and equipment...										14	178,128
60	Aircraft and parts...										142	66,821
61	Other transportation equipment...										27	28,945
62	Scientific and controlling instruments...										290	26,278
63	Optical, ophthalmic, and photographic equipment...										123	23,842
64	Miscellaneous manufacturing...										33	28,281
65	Transportation and warehousing...										19	229,764
66	Communications, except radio and TV...											101,621
67	Radio and television broadcasting...											20,921
68	Private electric, gas, water, and sanitary services...											258,804
69	Wholesale and retail trade...											663,993
70	Finance and insurance...											274,716
71	Real estate and rental...											581,377
72	Hotels; personal and repair services (except auto)...											85,148
73	Business services...											339,596
74	Eating and drinking places...											165,407
75	Automobile repair and services...											80,567
76	Amusements...											52,614
77	Health, educational, and social services and nonprofit organizations...											373,884
78	Federal Government enterprises...	30,570			12,857							42,218
79	State and local government enterprises...											53,531
80	Government industry...											379,595
83	Rest of the world industry...											47,095
84	Household industry...											9,240
85	Inventory valuation adjustment...											-6,190
T	Total commodity output...		30,570		12,972		2,648	379,595	47,095	9,240		6,883,910

\* Less than \$500,000.

## Composite Indexes of Leading, Coincident, and Lagging Indicators

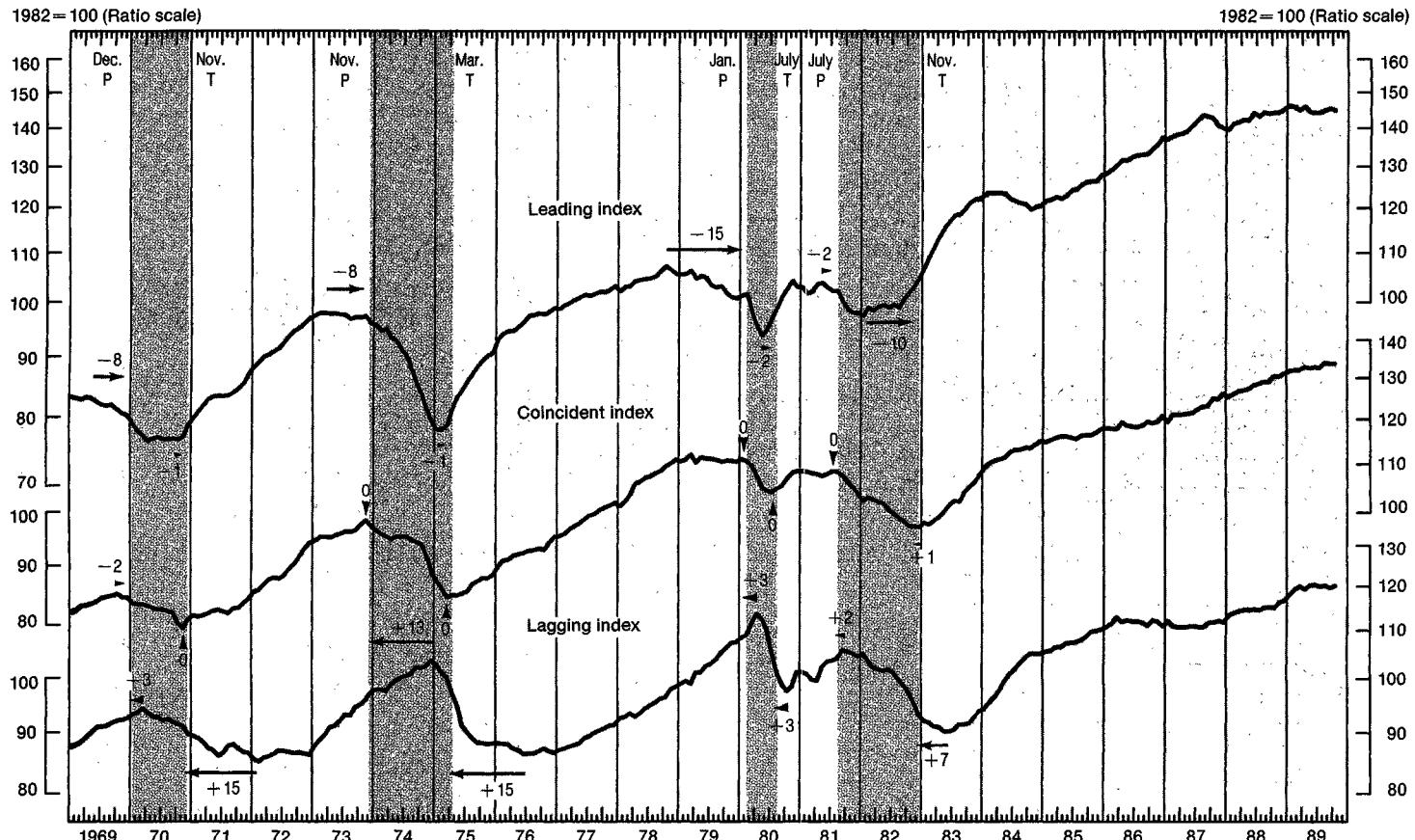
### Recent Data and Percent Changes

Index	1988		1989												1988	1989		
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>a</sup>	IV	I	II	III		
Index (1982=100)																		
Leading index .....	144.1	145.1	146.0	145.6	144.7	145.8	144.2	144.0	144.0	144.8	145.2	144.6	144.4	145.4	144.7	+144.7		
Coincident index.....	130.3	131.1	131.8	132.0	132.0	132.8	132.5	132.8	132.6	133.9	133.7	133.7	130.6	131.9	132.7	+133.4		
Lagging index .....	116.4	116.8	118.1	119.3	120.1	119.3	120.3	120.5	120.0	120.2	119.7	120.2	116.1	119.2	120.0	120.0		
Percent change from preceding month (quarter)																		
Leading index .....	.1	.7	.6	-.3	-.6	.8	-1.1	-.1	0	.6	.3	-.4	.6	.7	-.5	+.0		
Coincident index.....	-.1	.6	.5	.2	0	.6	-2	.2	-.2	1.0	-.1	0	1.3	1.0	.6	+.5		
Lagging index .....	1.2	.3	1.1	1.0	.7	-.7	.8	.2	-.4	.2	-.4	.4	1.0	2.7	.7	0		

<sup>a</sup> Preliminary.<sup>b</sup> Revised.

None.—Quarterly data are averages of monthly figures. Quarterly percent changes are computed from quarterly data.

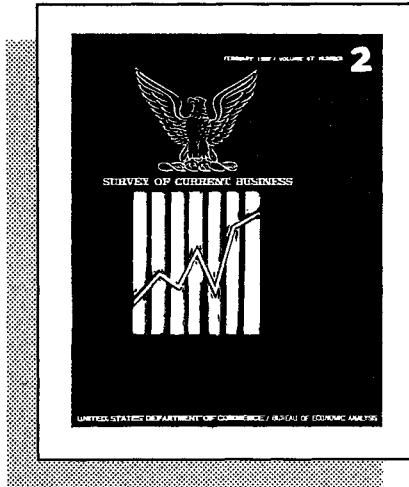
### Long -Term Perspective: January 1969 to October 1989



Note.—Peak (P) indicates the end of business cycle expansion and the beginning of recession (shaded area). Trough (T) indicates the end of business cycle recession and the beginning of expansion. Business cycle peaks and troughs are designated by the National Bureau of Economic

Research, Inc. The numbers entered on the chart indicate the length of leads (−) and lags (+) in months from the business cycle turning dates.

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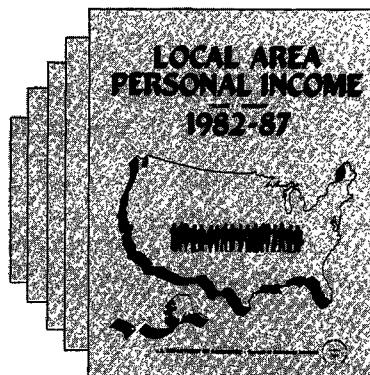
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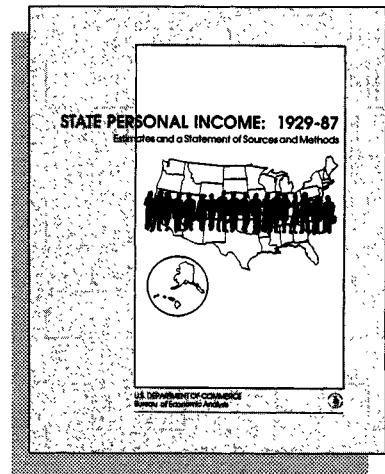
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# CURRENT BUSINESS STATISTICS

The statistics here update series published in **BUSINESS STATISTICS: 1986**, a statistical supplement to the **SURVEY OF CURRENT BUSINESS**. That volume (available from the Superintendent of Documents for \$16.00, stock no. 003-010-00181-0) provides a description of each series, references to sources of earlier figures, and historical data as follows: For all series, monthly or quarterly, 1983 through 1986, annually, 1961-86; for selected series, monthly or quarterly, 1961-86 (where available).

The sources of the series are given in **BUSINESS STATISTICS: 1986**; they appear in the main methodological note for each series, and are also listed alphabetically on pages 145-146. Series originating in Government agencies are not copyrighted and may be reprinted freely. Series from private sources are provided through the courtesy of the compilers, and are subject to their copyrights.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in <b>BUSINESS STATISTICS:</b> 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS</b>																	
<b>PERSONAL INCOME BY SOURCE †</b>																	
Seasonally adjusted, at annual rates:																	
Total personal income.....	bil. \$	3,777.6	4,064.5	4,118.6	4,180.4	4,168.9	4,206.3	4,273.1	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,444.3	4,458.5	4,469.7	4,510.3
Wage and salary disbursements, total.....	do	2,249.4	2,429.0	2,465.6	2,497.1	2,501.6	2,516.7	2,545.4	2,557.3	2,579.4	2,601.3	2,603.5	2,621.7	2,644.7	2,651.0	2,668.4	2,701.3
Commodity-producing industries, total.....	do	649.9	696.3	705.1	716.3	713.7	714.0	720.6	724.3	734.8	732.5	732.6	736.1	739.2	744.2	744.9	758.4
Manufacturing.....	do	490.3	524.0	530.1	540.7	537.2	536.4	541.4	544.0	553.5	548.6	549.0	552.0	553.4	556.9	557.2	564.0
Distributive industries.....	do	531.9	571.9	580.0	585.9	586.0	590.6	597.3	598.1	601.0	609.1	613.3	620.2	615.6	622.6	631.3	
Service industries.....	do	648.3	714.4	728.7	741.0	745.5	753.6	762.8	767.9	774.5	787.5	788.3	796.6	807.8	810.9	818.4	832.1
Govt. and govt. enterprises.....	do	419.2	446.5	451.8	453.9	456.4	458.5	464.6	467.0	469.2	471.2	473.6	475.7	478.0	480.2	482.4	484.6
Other labor income.....	do	212.8	228.9	232.9	234.7	236.5	238.2	239.7	241.3	242.9	244.4	246.0	247.5	249.1	250.7	252.2	253.8
Proprietors' income: ‡																	
Farm.....	do	41.6	39.8	33.4	47.1	19.5	29.4	48.0	65.9	63.0	56.4	54.3	43.2	39.0	36.8	33.1	40.0
Nonfarm.....	do	270.0	288.0	290.9	295.8	295.7	297.4	299.6	300.6	303.8	304.6	303.5	304.6	306.0	308.0	307.7	307.8
Rental income of persons with capital consumption adjustment.....	bil. \$	13.4	15.7	16.7	16.4	16.1	16.0	13.8	11.8	9.9	9.8	9.8	9.7	9.2	7.8	—1.8	—7.6
Dividends.....	do	92.0	102.2	104.7	105.8	106.5	106.9	108.4	109.4	110.3	111.0	111.4	111.8	112.8	113.3	113.6	114.8
Personal interest income.....	do	523.2	571.1	583.0	590.8	598.6	606.4	616.5	628.9	641.5	648.4	655.2	661.8	665.7	669.3	672.6	675.4
Transfer payments.....	do	548.2	584.7	588.7	592.2	593.5	595.6	610.7	614.2	624.2	623.9	625.5	630.9	632.6	636.4	640.2	643.5
Less: Personal contributions for social insurance.....	do	172.9	194.9	197.2	199.5	199.1	200.1	209.0	209.8	211.3	212.6	212.7	213.8	214.8	215.2	216.3	218.7
Total nonfarm income.....	do	3,714.7	4,003.7	4,064.1	4,112.3	4,128.4	4,155.9	4,204.0	4,232.4	4,276.5	4,309.4	4,320.5	4,352.6	4,383.6	4,400.0	4,414.8	4,448.2
<b>DISPOSITION OF PERSONAL INCOME †</b>																	
Seasonally adjusted, at annual rates:																	
Total personal income.....	bil. \$	3,777.6	4,064.5	4,118.6	4,180.4	4,168.9	4,206.3	4,273.1	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,444.3	4,458.5	4,469.7	4,510.3
Less: Personal tax and nontax payments.....	do	571.7	586.6	589.1	596.2	596.3	600.9	631.2	621.7	631.9	668.4	649.1	640.2	645.2	648.3	653.8	661.3
Equals: Disposable personal income.....	do	3,205.9	3,477.8	3,529.5	3,584.2	3,572.6	3,605.4	3,641.9	3,697.8	3,728.8	3,718.7	3,747.2	3,777.2	3,799.1	3,810.2	3,816.0	3,849.0
Less: Personal outlays.....	do	3,104.1	3,333.1	3,371.8	3,406.0	3,421.9	3,442.4	3,467.3	3,487.1	3,496.9	3,534.4	3,547.9	3,558.6	3,589.5	3,626.2	3,636.1	3,630.3
Personal consumption expenditures.....	do	3,010.8	3,235.1	3,272.9	3,306.8	3,321.8	3,343.3	3,365.6	3,384.7	3,394.0	3,432.1	3,445.0	3,455.4	3,485.6	3,522.0	3,531.9	3,525.8
Durable goods.....	do	421.0	455.2	451.6	456.9	462.8	482.4	473.1	464.2	461.8	477.4	466.5	469.1	478.4	498.9	488.1	459.3
Non durable goods.....	do	998.1	1,052.3	1,070.8	1,076.3	1,084.3	1,074.6	1,093.8	1,098.6	1,102.5	1,112.9	1,126.7	1,125.0	1,130.0	1,129.7	1,141.3	1,143.8
Services.....	do	1,591.7	1,727.6	1,750.4	1,773.5	1,774.7	1,786.3	1,798.7	1,821.9	1,829.6	1,841.8	1,851.9	1,861.3	1,877.2	1,893.4	1,902.5	1,922.7
Interest paid by consumers to business.....	do	92.1	98.9	97.0	97.3	98.1	98.9	99.5	100.2	100.7	101.0	101.5	101.9	101.7	102.0	102.1	102.3
Personal transfer payments to foreigners (net).....	do	1.9	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	1.4	1.4	1.4	2.2	2.2	2.2	2.2
Equals: personal saving.....	do	101.8	144.7	157.7	178.2	150.7	161.2	174.6	210.7	231.9	184.3	199.4	218.6	209.7	183.9	179.8	218.8
Personal saving as percentage of disposable personal income \$.....	percent	3.2	4.2	4.4	4.6	4.6	4.5	5.0	5.6	5.6	5.5	5.4	5.5	5.4	5.0	5.1	
Disposable personal income in constant (1982) dollars.....	bil. \$	2,676.6	2,793.2	2,808.7	2,840.6	2,826.3	2,841.0	2,852.9	2,881.9	2,900.0	2,874.0	2,884.1	2,904.5	2,913.9	2,924.9	2,922.8	2,927.7
Personal consumption expenditures in constant (1982) dollars.....	do	2,518.7	2,598.4	2,604.5	2,620.8	2,627.9	2,634.5	2,636.5	2,647.0	2,639.6	2,652.4	2,651.5	2,657.1	2,673.4	2,703.7	2,705.3	2,681.8
Durable goods.....	do	389.6	413.6	409.1	412.1	417.3	432.0	423.7	417.2	417.1	430.5	421.3	423.0	429.8	447.1	438.1	413.6
Non durable goods.....	do	890.4	904.5	909.7	911.2	918.0	907.0	915.7	918.1	911.3	906.3	911.7	911.2	916.2	922.5	928.7	923.1
Services.....	do	1,233.7	1,280.2	1,285.6	1,297.5	1,292.6	1,295.5	1,297.1	1,311.7	1,311.2	1,318.4	1,322.9	1,327.4	1,334.2	1,338.4	1,345.1	
Implicit price deflator for personal consumption expenditures.....	index, 1982=100	119.8	124.5	125.7	126.2	126.4	126.9	127.7	127.9	128.6	129.4	129.9	130.0	130.4	130.3	130.6	131.5
<b>INDUSTRIAL PRODUCTION ◊</b>																	
<i>Federal Reserve Board Index of Quantity Output</i>																	
Not Seasonally Adjusted																	
Total index.....	1977=100	129.8	137.2	143.0	142.2	139.3	136.4	137.1	140.1	139.5	140.9	140.2	144.9	140.0	146.2	147.2	144.1
By industry groupings:																	
Mining and utilities.....	do	104.3	107.5	107.9	105.1	106.6	109.4	110.2	111.1	106.6	104.5	102.3	106.2	106.9	110.0	109.2	106.3
Manufacturing.....	do	134.7	142.7	149.6	149.1	145.4	141.4	142.2	145.6	145.8	147.7	147.3	152.2	146.2	153.1	154.3	151.5
Non durable manufactures.....	do	136.8	143.9	152.8	151.2	146.0	141.1	141.6	145.0	145.6	148.0	147.8	154.5	151.3	157.9	158.7	156.1
Durable manufactures.....	do	133.1	141.9	147.3	147.6	145.0	141.6	142.7	146.0	145.9	147.5	146.9	150.5	142.6	149.6	151.2	148.3
Seasonally Adjusted																	
Total index.....	do	129.8	137.2	138.6	139.4	139.9	140.4	140.8	140.5	140.7	141.7	141.6	142.0	141.9	142.4	142.4	141.4
By market groupings:																	
Products, total.....	do	138.3	145.9	147.4	148.1	148.4	149.4	150.1	150.0	150.5	151.6	151.7	152.5	152.3	151.0		
Final products.....	do	136.8	144.3	145.8	146.4	146.8	147.7	148.2	148.6	148.9	150.2	151.2	150.2	150.9	150.8	148.9	
Consumer goods.....	do	127.8	133.9	134.8	136.4	136.8	138.2	138.5	138.7	138.4	139.5	139.2	139.9	138.7	139.1	138.5	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS—Continued</b>																	
<b>INDUSTRIAL PRODUCTION ◊—Continued</b>																	
Seasonally Adjusted—Continued																	
By market groupings—Continued																	
Final products—Continued																	
Durable consumer goods.....	1977=100	120.2	125.3	126.3	129.3	129.2	131.9	131.5	131.6	130.1	132.2	131.2	130.8	127.3	128.9	128.0	124.9
Automotive products.....	do	118.5	124.9	126.4	128.9	129.5	134.5	132.5	131.6	128.9	131.7	128.6	125.6	120.2	122.2	120.9	117.8
Autos and trucks, consumer.....	do	115.1	122.7	124.8	128.3	129.5	133.0	135.6	133.1	128.3	131.7	127.4	123.3	114.6	119.4	117.1	111.6
Autos, consumer.....	do	90.7	93.4	97.7	101.3	101.0	105.1	99.6	96.0	95.0	98.8	96.0	91.4	81.2	86.4	92.7	91.5
Trucks, consumer.....	do	160.5	177.0	175.3	178.4	182.4	199.1	202.3	201.9	190.0	192.8	185.5	182.5	176.7	180.5	162.4	149.0
Home goods.....	do	121.6	125.6	126.2	129.7	128.9	130.0	130.7	131.6	131.1	132.6	133.3	134.8	132.7	133.9	133.4	130.7
Nondurable consumer goods.....	do	130.6	137.1	138.0	139.0	139.7	140.5	141.1	141.4	141.4	142.2	142.1	143.3	142.8	142.9	143.0	143.6
Consumer staples.....	do	137.4	144.9	145.8	147.0	147.9	148.9	149.4	149.7	149.9	150.7	150.7	151.9	151.4	151.6	151.8	152.7
Consumer foods and tobacco.....	do	136.3	140.9	141.1	142.4	143.7	144.5	144.8	144.3	143.3	144.7	144.7	145.7	144.2	144.6	145.5	145.5
Nonfood staples.....	do	138.5	149.1	150.7	151.8	152.2	153.6	154.2	155.4	156.9	156.9	158.4	158.9	158.9	158.3	159.7	159.7
Equipment.....	do	148.9	158.2	160.4	159.7	159.9	160.4	161.1	161.6	162.8	164.3	165.4	166.1	165.5	166.5	166.5	162.7
Business and defense equipment.....	do	153.6	163.3	165.6	165.1	166.2	167.1	167.9	168.9	170.3	171.5	172.0	171.3	172.2	172.0	168.0	168.0
Business equipment.....	do	144.5	157.6	160.8	160.2	161.2	162.6	163.8	165.0	166.3	167.8	169.1	169.6	168.5	169.7	169.4	165.9
Construction, mining, and farm.....	do	62.2	71.9	74.3	74.2	74.5	74.6	74.3	75.6	76.9	77.6	76.3	74.8	73.0	71.8	74.3	75.0
Manufacturing.....	do	117.9	131.3	135.8	136.2	136.2	137.0	136.3	137.8	138.6	139.7	140.9	142.8	143.8	143.5	142.6	142.4
Power.....	do	82.6	89.4	92.2	91.5	92.1	91.8	92.8	93.0	93.6	93.3	92.5	92.8	94.0	93.6	94.7	94.7
Commercial.....	do	226.5	245.2	248.7	245.4	247.0	248.9	252.4	257.6	260.1	263.2	264.5	268.8	265.2	265.4	262.3	262.3
Transit.....	do	108.4	115.1	116.8	120.3	122.3	124.9	125.7	125.2	123.9	124.8	125.3	124.8	120.1	121.8	107.0	107.0
Defense and space equipment.....	do	188.9	185.8	184.5	184.0	182.2	180.5	180.0	179.3	178.7	179.9	180.7	181.1	182.0	182.3	182.0	176.2
Intermediate products.....	do	143.4	151.5	152.9	154.0	154.2	155.0	156.6	156.1	156.5	157.0	157.0	157.5	157.2	157.7	158.2	158.2
Construction supplies.....	do	131.5	138.6	138.4	140.0	140.7	141.4	142.3	139.5	139.3	140.2	142.1	142.2	141.0	141.6	142.4	142.4
Business supplies.....	do	153.5	162.5	165.2	165.9	166.7	166.7	168.4	170.4	170.4	170.0	170.4	170.6	171.0	171.0	171.5	171.5
Materials.....	do	118.2	125.2	126.5	127.5	128.3	128.3	128.1	127.4	127.3	128.2	127.9	127.7	128.3	128.9	128.9	128.2
Durable goods materials.....	do	125.0	138.4	137.8	138.9	139.8	139.0	139.4	138.6	137.9	139.0	138.7	139.4	140.8	140.3	139.2	139.2
Nondurable goods materials.....	do	125.9	132.0	132.6	134.7	135.1	136.3	137.1	135.9	136.0	137.1	136.8	137.3	138.3	136.9	136.2	136.2
Energy materials.....	do	99.8	101.5	101.5	101.3	102.3	102.6	100.5	100.5	101.0	101.7	99.1	99.9	99.9	102.1	102.2	102.2
By industry groupings:																	
Mining and utilities.....	do	104.3	107.5	107.2	107.2	108.1	108.9	107.2	106.8	107.5	107.9	107.2	106.3	106.6	106.7	108.5	108.8
Mining.....	do	100.7	103.4	103.7	103.1	104.7	104.9	103.0	100.9	101.5	102.4	102.0	101.5	102.1	102.7	104.8	104.9
Metal mining.....	do	77.6	93.2	99.1	101.6	104.6	111.9	106.9	98.6	98.1	96.8	94.0	101.2	106.2	103.4	103.4	103.4
Coal.....	do	131.8	137.9	142.2	138.5	149.7	155.1	144.7	134.7	137.7	145.5	137.1	129.2	130.2	135.4	144.2	146.9
Oil and gas extraction #.....	do	92.7	92.9	92.0	91.5	90.8	88.9	88.9	89.5	89.6	89.1	90.5	90.6	90.8	90.8	92.0	91.4
Crude oil.....	do	100.3	98.5	97.1	95.9	96.9	95.8	95.6	94.9	92.9	91.6	94.7	92.2	91.9	92.1	92.1	92.1
Natural gas.....	do	85.5	86.6	84.1	87.4	89.2	87.0	84.8	89.0	88.6	87.6	88.8	87.5	90.4	90.4	90.4	90.4
Stone and earth minerals.....	do	128.2	139.9	139.7	142.8	144.0	149.4	150.8	142.5	143.5	144.5	144.6	150.2	152.1	150.8	148.1	148.1
Utilities.....	do	110.3	114.3	113.0	113.9	113.7	115.4	114.0	116.5	117.5	117.1	115.6	114.3	114.0	113.2	114.6	115.2
Electric.....	do	126.6	132.0	132.2	132.8	131.6	132.9	131.0	135.3	137.0	137.1	135.8	134.6	134.9	134.0	135.8	136.7
Manufacturing.....	do	134.7	142.7	144.4	145.3	145.8	146.3	147.2	146.8	147.0	148.0	148.1	148.7	148.5	149.1	148.8	147.6
Non durable manufactures.....	do	136.8	143.9	145.3	146.3	146.7	147.1	148.5	148.1	149.6	149.5	150.5	150.8	150.9	150.8	151.0	151.0
Foods.....	do	137.8	142.7	144.0	145.7	145.8	146.6	146.3	146.3	147.2	147.2	147.9	147.3	147.6	148.5	148.5	148.5
Tobacco products.....	do	103.5	105.2	105.4	102.4	107.0	105.0	104.7	101.5	101.5	102.4	102.0	101.5	102.1	102.7	104.8	104.9
Textile mill products.....	do	115.9	116.2	116.2	117.0	117.2	117.9	120.2	119.4	119.7	122.5	123.6	123.5	122.2	123.1	123.1	123.1
Apparel products.....	do	107.4	109.1	109.9	109.5	110.1	108.8	110.2	110.2	109.9	111.3	111.5	111.9	111.4	111.1	110.7	110.7
Paper and products.....	do	144.4	150.3	151.8	150.7	151.7	153.8	151.7	153.8	151.7	150.7	150.1	150.2	152.4	151.4	151.4	151.4
Printing and publishing.....	do	172.1	184.2	188.0	188.1	188.5	188.0	193.0	194.6	195.8	200.1	199.0	200.5	199.9	200.9	202.1	201.9
Chemicals and products.....	do	140.2	151.9	155.3	156.7	157.5	158.1	159.0	158.5	159.2	159.3	158.2	159.9	162.2	161.8	160.2	160.2
Petroleum products.....	do	93.5	96.0	93.7	96.3	95.0	98.0	98.0	96.3	97.0	97.3	96.9	97.9	98.3	97.8	98.5	98.8
Rubber and plastics products.....	do	163.6	174.4	175.3	176.9	177.5	177.5	175.9	175.0	176.4	178.0	180.5	182.3	182.7	182.5	182.5	182.5
Leather and products.....	do	60.0	59.5	61.0	61.5	62.0	62.9	62.9	61.2	61.4	60.3	60.5	60.8	60.2	60.0	60.1	60.1
Durable manufactures.....	do	133.1	141.9	143.8	144.6	145.2	145.7	146.2	145.9	145.8	146.9	147.1	147.4	146.8	147.7	147.3	145.1
Lumber and products.....	do	130.3	137.3	135.5	137.5	139.4	143.0	139.9	132.8	133.4	135.1	135.5	137.2	136.9	136.4	136.4	136.4
Furniture and fixtures.....	do	152.8	162.1	164.9	164.5	165.4	166.3	164.8	165.8	168.0	170.2	170.8	170.2	169.0	167.5	167.1	167.1
Clay, glass, and stone products.....	do	119.1	122.6	123.8	124.3	124.7	125.1	126.6	125.5	124.7	124.7	123.9	123.9				

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS—Continued</b>																
<b>BUSINESS INVENTORIES</b>																
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total \$ mil. \$ ..	690,458	743,191	738,881	753,958	759,019	743,191	753,035	763,793	770,121	777,354	780,377	779,755	783,708	782,573	786,012	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total \$ mil. \$ ..	700,761	759,718	743,967	743,544	746,756	753,718	759,803	763,051	765,504	771,340	778,093	780,802	787,584	790,368	791,819	
Manufacturing, total .....	331,132	354,163	347,785	349,412	351,603	354,163	357,458	359,056	361,130	363,458	365,055	366,492	370,803	371,489	371,164	
Durable goods industries .....	216,598	233,666	228,214	229,738	231,766	233,666	236,810	238,165	239,330	240,486	241,689	242,295	245,813	246,378	245,701	
Nondurable goods industries .....	114,534	120,497	119,571	119,677	119,837	120,497	120,648	121,800	122,972	123,366	124,197	124,990	125,111	125,463		
Retail trade, total .....	206,981	221,242	219,153	216,724	218,093	221,242	222,584	224,185	224,693	226,656	230,423	231,762	232,831	235,350	237,673	
Durable goods stores .....	106,271	114,994	114,172	111,689	112,904	114,994	115,704	116,169	115,993	117,093	118,835	119,542	119,864	121,782	123,670	
Nondurable goods stores .....	100,710	106,248	104,981	105,035	105,189	106,248	106,880	108,016	109,563	111,588	112,220	112,967	113,568	114,003		
Merchant wholesalers, total .....	162,648	178,813	177,029	177,408	177,060	178,313	179,761	179,810	179,681	181,226	182,615	182,548	183,950	183,529	182,982	
Durable goods establishments .....	106,482	115,743	115,099	115,225	114,975	115,743	117,255	117,932	117,424	119,069	120,481	120,231	122,142	121,520	121,181	
Nondurable goods establishments .....	56,166	62,570	61,930	62,183	62,085	62,570	62,506	61,878	62,257	62,157	62,134	62,317	61,808	62,009	61,801	
Mfg. and trade inventories in constant (1982) dollars, end of period(seas. adj.),total \$ bil. \$ ..	681.9	681.3	683.4	688.0	691.1	690.8	690.5	691.1	693.0	694.5	697.1	699.0				
Manufacturing .....	324.3	324.8	325.8	327.3	328.8	328.3	328.3	329.1	329.6	330.4	333.5	335.0				
Retail trade .....	190.7	189.4	191.0	193.6	194.8	195.5	195.7	194.9	195.6	196.4	194.8	195.3				
Merchant wholesalers .....	166.9	167.1	166.5	167.0	167.4	166.9	166.5	167.1	167.8	167.8	168.8	168.7				
<b>BUSINESS INVENTORY-SALES RATIOS</b>																
Manufacturing and trade, total \$ .....	ratio..	1.51	1.49	1.49	1.49	1.48	1.50	1.51	1.49	1.50	1.51	1.54	1.50	1.51		
Manufacturing, total .....	do	1.57	1.57	1.57	1.53	1.54	1.57	1.58	1.55	1.57	1.58	1.64	1.56	1.58		
Durable goods industries .....	do	1.93	1.94	1.93	1.88	1.92	1.97	1.99	1.95	1.97	1.99	2.10	1.92	1.97		
Materials and supplies .....	do	.55	.55	.54	.53	.54	.55	.56	.54	.55	.55	.58	.53	.54		
Work in process .....	do	.88	.89	.87	.88	.91	.93	.92	.93	.94	.94	.91	.93			
Finished goods .....	do	.50	.50	.48	.50	.51	.50	.49	.50	.49	.50	.53	.48	.50		
Nondurable goods industries .....	do	1.16	1.15	1.14	1.13	1.12	1.13	1.13	1.11	1.12	1.13	1.15	1.14	1.14		
Materials and supplies .....	do	.46	.46	.45	.44	.44	.44	.44	.42	.42	.43	.43	.43	.43		
Work in process .....	do	.18	.18	.18	.18	.18	.18	.19	.18	.19	.19	.19	.19	.19		
Finished goods .....	do	.51	.51	.51	.51	.51	.51	.51	.51	.51	.52	.53				
Retail trade, total .....	do	1.62	1.57	1.56	1.59	1.59	1.61	1.61	1.60	1.62	1.63	1.62	1.62	1.63		
Durable goods stores .....	do	2.23	2.10	2.09	2.12	2.15	2.19	2.19	2.17	2.19	2.21	2.19	2.18	2.21		
Nondurable goods stores .....	do	1.25	1.24	1.23	1.25	1.24	1.25	1.25	1.25	1.26	1.27	1.27	1.28	1.27		
Merchant wholesalers, total .....	do	1.31	1.28	1.29	1.31	1.28	1.29	1.28	1.27	1.28	1.29	1.30	1.28	1.27		
Durable goods establishments .....	do	1.74	1.70	1.68	1.69	1.67	1.70	1.71	1.72	1.71	1.74	1.74	1.71	1.69		
Nondurable goods establishments .....	do	.90	.88	.90	.92	.88	.88	.87	.85	.86	.86	.87	.86	.85		
Manufacturing and trade in constant (1982) dollars, total \$ .....	do	1.49	1.48	1.48	1.48	1.49	1.50	1.51	1.49	1.50	1.50	1.52	1.48			
Manufacturing .....	do	1.55	1.54	1.55	1.52	1.55	1.57	1.58	1.55	1.57	1.58	1.63	1.56			
Retail trade .....	do	1.53	1.50	1.50	1.53	1.54	1.55	1.56	1.54	1.54	1.55	1.52	1.51			
Merchant wholesalers .....	do	1.36	1.34	1.34	1.36	1.33	1.34	1.34	1.32	1.33	1.33	1.34	1.32			
<b>MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †</b>																
Shipments (not seas. adj.), total \$ mil. \$ ..	2,390,045	2,611,589	234,386	229,541	222,837	226,082	212,037	229,134	238,698	235,253	233,725	245,779	207,794	233,026	248,411	
Durable goods industries, total .....	do	1,263,492	1,388,211	125,058	122,606	118,636	122,482	110,887	121,870	128,704	125,254	124,193	181,766	104,423	122,298	132,321
Stone, clay, and glass products .....	do	62,142	64,044	5,852	5,745	5,507	4,815	4,849	5,064	5,221	5,709	5,556	5,915	5,034	7,725	5,697
Primary metals .....	do	117,092	142,197	12,614	12,614	12,308	11,796	12,181	12,905	13,075	12,940	12,587	12,955	11,040	12,120	12,108
Blast furnaces, steel mills .....	do	50,812	60,950	5,193	5,187	4,945	4,836	5,068	5,198	5,365	5,391	5,239	5,208	4,464	7,863	4,844
Fabricated metal products .....	do	135,005	144,064	12,696	12,736	12,234	11,732	11,771	13,210	14,012	13,591	13,760	14,369	12,419	13,927	14,549
Machinery, except electrical .....	do	216,605	247,152	23,111	20,841	20,124	23,686	18,612	21,421	24,125	22,010	21,972	25,744	19,405	20,950	24,469
Electrical machinery .....	do	210,695	227,136	21,239	19,222	19,640	20,728	17,642	19,078	20,808	19,568	19,324	21,282	17,369	19,854	22,387
Transportation equipment .....	do	323,026	351,927	30,570	32,582	31,334	31,993	29,190	32,477	32,811	32,854	32,534	31,883	22,072	31,123	33,378
Motor vehicles and parts .....	do	197,049	219,257	19,156	21,348	20,049	18,822	20,158	21,778	20,518	21,739	21,266	19,246	11,723	19,455	19,959
Instruments and related products .....	do	66,805	72,456	6,545	6,150	5,901	6,523	5,830	6,188	6,535	6,085	6,949	5,918	6,184	7,005	
Nondurable goods industries, total .....	do	1,126,553	1,223,378	109,328	106,935	104,201	103,550	101,150	107,264	109,994	109,999	103,532	114,013	103,371	110,728	116,090
Food and kindred products .....	do	324,996	356,804	32,455	31,339	30,582	30,719	29,650	31,572	32,928	31,613	32,421	33,322	30,693	32,654	34,509
Tobacco products .....	do	19,935	22,240	2,353	1,696	2,253	2,455	1,218	1,574	2,392	1,733	2,267	2,399	1,300	1,886	2,331
Textile mill products .....	do	57,481	59,774	5,599	5,243	5,221	5,206	5,080	5,123	5,048	5,236	5,747	5,747	4,531	5,607	5,800
Paper and allied products .....	do	110,252	124,187	10,782	10,727	10,373	10,528	10,822	11,036	11,098	11,001	10,787	11,387	10,439	10,949	11,184
Chemical and allied products .....	do	212,705	240,476	21,051	20,269	20,104	20,397	20,853	21,483	21,960	22,413	21,739	22,463	20,213	21,099	21,946
Petroleum and coal products .....	do	124,528	124,218	10,365	10,430	10,120	10,363	10,044	10,162	10,611	12,094	11,933	12,331	11,905	11,495	12,098
Rubber and plastics products .....	do	80,510	91,089	8,159	8,335	7,724	7,518	7,855	8,200	8,466	8,516	8,683	7,194	8,127	8,250	
Shipments (seas. adj.), total .....	do	221,395	222,917	224,632	230,827	231,485	228,353	228,048	234,042	233,071	231,236	225,922	238,150	234,400		
By industry group:																
Durable goods industries, total # .....	do	118,030	118,439	119,874	124,175	123,578	120,924	120,432	123,331	122,962	121,720	117,114	112,347	124,671		
Stone, clay, and glass products .....	do	5,399	5,442	5,588	5,549	5,575	5,356	5,150	5,451							

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS—Continued</b>																	
<b>MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS <sup>†</sup>—Continued</b>																	
Shipments (seas. adj.)—Continued																	
By market category:																	
Home goods and apparel..... mil. \$ .....	'164,861	'170,860	14,328	14,386	14,454	15,317	15,108	14,797	14,608	14,894	14,660	14,668	14,513	'14,823	14,647	.....	
Consumer staples..... do .....	'461,025	'501,301	42,458	42,969	43,253	43,518	44,467	44,556	45,727	45,902	45,471	45,362	'46,622	46,411	.....		
Equipment and defense products, except auto..... do .....	'891,189	'438,296	37,042	36,395	36,537	38,315	37,178	37,153	37,802	38,337	38,616	38,878	38,817	'40,285	40,734	.....	
Automotive equipment..... do .....	'223,069	'248,003	21,188	22,076	22,243	23,527	23,343	22,154	21,351	22,522	22,256	20,356	17,956	'24,963	21,613	.....	
Construction materials, supplies, and intermediate products..... do .....	'192,664	'204,769	17,045	17,113	17,529	18,102	18,390	17,400	17,251	17,473	17,331	17,355	17,124	'17,899	17,455	.....	
Other materials, supplies, and intermediate products..... do .....	'957,287	1,052,710	89,334	89,978	90,616	92,048	92,999	92,293	92,067	95,089	94,306	94,508	92,650	'93,558	93,540	.....	
Supplementary series:																	
Household durables..... do .....	'75,607	'79,219	6,638	6,671	6,949	6,934	6,933	6,955	6,864	6,977	6,948	6,781	6,705	'6,918	6,697	.....	
Capital goods industries..... do .....	'445,633	'486,607	41,353	41,026	41,172	42,772	42,060	41,858	42,528	43,232	43,224	43,984	42,456	'45,082	45,318	.....	
Nondefense..... do .....	'386,190	'380,017	32,523	32,595	32,512	32,675	33,330	33,455	34,079	34,599	34,527	34,759	34,263	'36,146	35,957	.....	
Defense..... do .....	'109,442	'106,590	8,830	8,431	8,660	10,097	8,730	8,403	8,449	8,633	8,697	9,225	8,193	'8,936	9,361	.....	
Inventories, end of year or month:																	
Book value (non-LIFO basis), (unadjusted), total..... do .....	325,695	348,465	346,388	348,699	350,223	348,465	356,430	360,741	362,082	365,848	368,621	366,693	371,440	'372,752	369,178	.....	
Durable goods industries, total..... do .....	212,265	229,040	227,815	229,283	230,625	229,040	235,168	238,967	240,180	242,195	244,712	242,874	246,576	'247,377	244,518	.....	
Non durable goods industries, total..... do .....	113,430	119,425	118,573	119,416	119,425	121,262	121,774	121,902	123,653	123,909	123,819	124,864	'125,375	124,660	.....		
Book value (non-LIFO basis), (seasonally adjusted), total..... do .....	331,132	354,163	347,785	349,412	351,603	354,163	357,458	359,056	361,130	363,458	365,055	366,492	370,803	'371,489	371,164	.....	
By industry group:																	
Durable goods industries,																	
total #..... do .....	216,598	238,666	228,214	229,735	231,766	233,666	236,810	238,165	239,330	240,486	241,689	242,295	245,813	'246,378	245,701	.....	
Stone, clay, and glass products..... do .....	7,216	7,505	7,389	7,551	7,464	7,505	7,561	7,609	7,630	7,704	7,740	7,748	7,840	'7,799	7,887	.....	
Primary metals..... do .....	18,189	20,279	19,544	19,825	19,980	20,279	20,589	20,785	20,880	21,036	21,223	21,275	21,413	'21,233	21,103	.....	
Blast furnaces, steel mills..... do .....	8,590	10,119	9,551	9,677	9,763	10,119	10,222	10,353	10,587	10,563	10,526	10,532	10,655	10,681	10,681	.....	
Fabricated metal products..... do .....	22,684	23,552	23,496	23,430	23,473	23,552	23,776	23,771	23,962	23,947	23,892	23,726	24,105	'24,170	23,899	.....	
Machinery, except electrical..... do .....	41,935	46,729	45,797	45,992	46,172	46,729	47,407	47,532	47,730	47,660	47,820	47,885	48,234	'48,370	48,369	.....	
Electrical machinery..... do .....	39,396	40,683	39,797	40,010	40,746	40,683	41,090	41,371	41,288	41,553	41,564	41,087	41,637	'41,787	41,535	.....	
Transportation equipment..... do .....	57,208	63,229	60,938	61,578	62,305	63,229	64,660	65,368	65,996	66,681	67,557	68,333	70,081	'70,164	69,828	.....	
Motor vehicles and parts..... do .....	11,391	11,839	11,568	11,657	11,872	11,839	12,282	12,246	12,169	12,134	12,287	12,152	13,030	'12,686	12,338	.....	
Instruments and related products..... do .....	12,669	14,040	13,513	13,578	13,798	14,040	14,125	14,218	14,336	14,361	14,062	14,107	14,098	'14,095	14,187	.....	
By stage of fabrication:																	
Materials and supplies..... do .....	61,255	65,252	65,253	65,324	65,298	65,252	66,273	66,852	67,278	66,887	66,748	66,681	67,565	'67,746	67,589	.....	
Work in process..... do .....	99,952	108,392	104,440	105,239	106,884	108,392	109,309	110,118	111,555	113,381	114,291	114,668	116,487	'116,560	115,635	.....	
Finished goods..... do .....	55,391	60,022	58,521	59,172	59,584	60,022	61,228	61,195	60,497	60,218	60,650	60,946	61,761	'62,072	62,477	.....	
Non durable goods industries,																	
total #..... do .....	114,534	120,497	119,571	119,677	119,837	120,497	120,648	120,891	121,800	122,972	123,366	124,197	124,990	'125,111	125,463	.....	
Food and kindred products..... do .....	24,744	26,361	25,791	26,003	26,361	26,266	26,301	26,588	26,181	26,245	26,416	26,426	26,426	26,426	26,426	.....	
Tobacco products..... do .....	5,586	5,609	5,763	5,810	5,710	5,609	5,349	5,432	5,372	5,403	5,431	5,525	5,669	'5,659	5,599	.....	
Textile mill products..... do .....	7,458	7,605	7,545	7,620	7,648	7,605	7,636	7,606	7,495	7,648	7,810	7,803	7,973	8,093	8,076	.....	
Paper and allied products..... do .....	11,242	12,065	11,775	11,835	11,939	12,065	12,098	11,941	11,905	11,943	12,070	12,320	12,483	'12,572	12,875	.....	
Chemicals and allied products..... do .....	25,061	27,515	26,882	27,060	27,235	27,515	27,601	27,880	28,510	28,816	29,069	29,182	29,209	'29,396	29,474	.....	
Petroleum and coal products..... do .....	9,951	8,879	9,336	9,092	8,757	8,879	9,376	9,578	9,897	10,346	10,423	10,695	10,554	'10,452	10,299	.....	
Rubber and plastics products..... do .....	9,112	10,826	10,089	10,298	10,394	10,326	10,418	10,405	10,572	10,555	10,567	10,619	10,657	'10,631	10,633	.....	
By stage of fabrication:																	
Materials and supplies..... do .....	44,354	47,294	47,364	47,611	47,664	47,294	46,963	46,900	46,858	46,780	46,679	46,773	46,891	'47,073	46,827	.....	
Work in process..... do .....	18,752	19,291	19,110	19,172	19,071	19,291	19,532	19,522	20,047	20,493	20,290	20,524	20,837	'20,919	20,920	.....	
Finished goods..... do .....	51,428	53,912	53,097	52,894	53,102	53,912	54,153	54,469	55,397	56,900	56,262	57,262	57,119	'57,119	57,716	.....	
By market category:																	
Home goods and apparel..... do .....	26,772	26,313	26,478	26,328	26,459	26,313	26,177	26,058	26,053	26,257	26,419	26,286	26,811	'27,218	27,579	.....	
Consumer staples..... do .....	42,399	44,900	44,282	44,367	44,485	44,900	44,206	44,279	44,454	44,977	44,909	45,269	45,666	'45,788	45,375	.....	
Equip. and defense prod., exc. auto..... do .....	96,004	105,287	101,871	102,586	103,320	105,287	106,890	107,523	108,309	109,160	109,580	110,611	111,854	'112,073	111,942	.....	
Automotive equipment..... do .....	14,013	14,611	14,415	14,533	14,717	14,611	15,002	15,045	15,013	15,165	15,245	15,287	16,243	'15,845	15,414	.....	
Construction materials, supplies, and intermediate products..... do .....	24,222	25,250	25,184	25,392	25,303	25,250	25,201	25,059	25,042	24,986	25,405	25,521	26,038	'26,087	26,000	.....	
Other materials, supplies, and intermediate products..... do .....	127,722	137,802	135,555	136,206	137,819	137,802	140,482	141,092	142,259	142,913	143,497	143,518	144,191	'144,478	144,351	.....	
Supplementary series:																	
Household durables..... do .....	12,843	12,791	12,614	12,600	12,712	12,791	12,952	12,927	13,046								

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS—Continued</b>																
<b>MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †—Continued</b>																
Unfilled orders, end of period (unadjusted),																
total ..... mil. \$ .....	415,998	463,934	449,816	451,858	454,256	463,984	474,304	480,632	488,259	493,060	490,531	491,250	496,816	492,888	494,683	.....
Durable goods industries, total ..... do .....	396,563	443,957	428,987	431,551	434,209	443,957	454,056	460,302	467,347	472,295	469,868	470,213	475,754	471,779	473,750	.....
Nondurable goods industries with unfilled orders ‡ ..... do .....	19,435	19,977	20,829	20,307	20,047	19,977	20,248	20,330	20,912	20,765	20,663	21,037	21,062	21,109	20,935	.....
Unfilled orders, end of period (seasonally adjusted) total ..... mil. \$ .....	421,243	468,860	453,103	457,281	460,802	468,860	473,450	476,403	481,366	487,231	487,913	491,834	496,359	495,002	497,339	.....
By industry group:																
Durable goods industries, total # ..... do .....	400,720	447,868	432,882	436,734	439,895	447,868	452,769	455,952	460,897	466,938	467,500	470,917	475,884	474,253	476,612	.....
Primary metals ..... do .....	23,896	25,737	25,414	25,473	25,388	25,737	25,947	25,996	25,504	25,883	26,114	25,705	25,115	24,151	23,602	.....
Blast furnaces, steel mills ..... do .....	11,637	10,903	11,431	11,010	10,754	10,903	11,521	11,085	10,988	10,520	10,086	9,655	9,117	8,808	.....	.....
Nonferrous and other pri- mary metals ..... do .....	10,265	12,591	11,757	12,219	12,428	12,591	12,121	12,106	12,075	12,781	13,140	13,190	13,059	12,634	12,433	.....
Fabricated metal products ..... do .....	29,970	28,406	28,637	28,540	28,354	28,406	28,191	28,524	28,299	28,087	27,459	27,567	26,995	26,210	25,905	.....
Machinery, except electrical ..... do .....	52,702	59,963	59,136	59,347	59,896	59,963	60,856	60,888	61,145	61,822	61,857	62,647	61,978	61,779	61,909	.....
Electrical machinery ..... do .....	93,696	93,498	92,472	92,518	93,529	93,498	93,267	93,615	92,346	91,937	90,662	90,416	90,625	89,985	90,438	.....
Transportation equipment ..... do .....	173,738	212,120	199,676	203,650	205,091	212,120	216,419	219,102	225,854	231,427	233,720	237,131	244,047	245,266	247,667	.....
Aircraft, missiles, and parts ..... do .....	144,343	174,722	165,376	168,121	169,763	174,722	179,176	181,110	187,793	193,939	196,185	198,610	206,512	208,617	211,491	.....
Nondurable goods industries with unfilled orders ‡ ..... do .....	20,523	20,992	20,721	20,547	20,907	20,992	20,681	20,451	20,469	20,293	20,413	20,917	20,525	20,749	20,727	.....
By market category:																
Home goods and apparel ..... do .....	9,075	8,887	8,295	8,173	8,200	8,387	8,736	8,585	8,731	8,533	8,284	8,124	8,151	8,097	8,242	.....
Consumer staples ..... do .....	675	836	881	863	836	786	755	887	868	921	1,004	920	949	915	915	.....
Equip. and defense prod., excl. auto ..... do .....	252,751	286,731	271,890	274,659	275,513	286,731	290,025	298,375	297,284	302,675	304,197	308,388	310,782	310,586	313,395	.....
Automotive equipment ..... do .....	9,239	8,888	8,727	8,714	8,782	8,888	8,840	8,827	8,818	8,640	8,395	8,294	8,115	7,972	7,902	.....
Construction materials, supplies, and intermediate products ..... do .....	15,060	15,541	15,450	15,527	15,545	15,541	15,314	15,094	14,949	14,842	14,806	14,670	14,351	13,789	18,825	.....
Other materials, supplies, and intermediate products ..... do .....	134,443	148,477	147,860	149,360	148,899	148,477	149,749	149,767	151,184	151,854	151,360	151,354	154,040	153,609	153,060	.....
Supplementary series:																
Household durables ..... do .....	6,480	6,122	5,965	5,884	5,898	6,122	6,395	6,253	6,092	6,234	5,925	5,817	5,913	5,908	6,046	.....
Capital goods industries ..... do .....	301,674	345,037	330,635	334,927	337,971	345,037	350,144	353,634	359,704	365,412	367,050	371,150	377,765	377,769	380,356	.....
Nondefense ..... do .....	139,814	179,640	167,543	169,571	172,884	179,640	190,396	194,454	186,662	200,244	203,007	207,394	214,576	215,560	214,814	.....
Defense ..... do .....	161,860	165,397	163,092	165,356	165,087	163,482	163,238	165,250	165,168	164,043	163,756	163,189	162,209	165,542	165,542	.....
<b>BUSINESS INCORPORATIONS @</b>																
New incorporations (50 States and Dist. Col.):																
Unadjusted ..... number .....	635,572	684,109	53,993	54,521	49,186	58,165	58,031	55,905	68,811	55,411	62,242	61,041	51,373	56,688	.....	.....
Seasonally adjusted ..... do .....			56,126	56,557	53,638	58,516	58,499	58,724	60,133	55,245	57,788	57,586	54,478	56,575	.....	.....
<b>INDUSTRIAL AND COMMERCIAL FAILURES @</b>																
Failures, total ..... number .....	61,384	57,093	4,602	4,146	4,262	3,894	4,663	4,276	4,783	3,926	4,406	4,180	3,679	4,231	3,676	.....
Commercial service ..... do .....	23,928	22,756	1,964	1,798	1,531	1,316	1,752	1,650	1,732	1,411	1,655	1,441	1,281	1,394	1,230	.....
Construction ..... do .....	6,775	6,811	568	479	597	514	583	566	649	583	573	586	539	528	532	.....
Manufacturing and mining ..... do .....	4,912	4,703	883	320	350	288	399	359	379	288	357	321	300	387	336	.....
Retail trade ..... do .....	12,272	11,485	900	801	888	889	890	1,080	814	948	962	820	920	832	823	.....
Wholesale trade ..... do .....	4,383	4,451	324	297	319	311	338	270	380	315	304	304	236	314	275	.....
Liabilities (current), total ..... mil. \$ .....	34,818.2	35,892.7	3,555.5	1,825.5	2,047.5	2,026.8	2,100.0	2,316.1	2,948.0	6,145.6	1,873.2	2,186.0	4,073.4	2,960.0	1,751.2	.....
Commercial service ..... do .....	7,761.2	7,944.4	512.8	385.2	343.1	318.3	480.3	376.2	435.0	1,076.8	428.8	441.5	413.2	596.8	453.6	.....
Construction ..... do .....	2,359.8	1,853.9	113.9	118.8	109.5	103.6	98.9	94.8	262.7	129.3	141.1	100.9	141.9	188.9	169.7	.....
Manufacturing and mining ..... do .....	4,074.3	4,502.7	184.3	228.9	355.4	317.4	391.1	264.7	166.4	326.9	234.0	290.9	312.7	264.8	259.8	.....
Retail trade ..... do .....	2,734.7	3,991.3	144.1	245.4	413.9	161.6	140.6	200.4	149.7	161.3	200.4	139.5	259.8	235.2	1,091.6	229.9
Wholesale trade ..... do .....	1,534.1	2,072.0	88.1	80.7	91.2	49.4	94.1	104.6	77.6	63.2	106.2	81.1	59.0	86.2	45.6	.....
Failure annual rate ..... No. per 10,000 concerns..	102.0	98.0														

**COMMODITY PRICES**

<b>PRICES RECEIVED AND PAID BY FARMERS †</b>																
Prices received, all farm products ..... 1910-14=100..	578	631	660	653	657	663	682	677	679	672	680	673	667	657	655	658
Crops # ..... do .....	458	544	585	577	588	590	604	595	590	604	611	595	580	545	546	549
Commercial vegetables ..... do .....	719	707	728	650	731	725	891	744	851	760	757	895	881	822	742	.....
Cotton ..... do .....	503	484	438	457	477	468	455	447	475	497	497	512	516	539	541	.....
Feed grains and hay ..... do .....	268	378	432	429	421	424	432	431	436	438	436	415	398	378	368	.....
Food grains ..... do .....	282	378	414	423	427	432	439	441	445	442	440	424	421	417	423	423
Fruit ..... do .....	669	669	691	698	717	712	656	585	613	743	730	589	602	745	780	.....
Tobacco ..... do .....	1,255	1,286	1,379	1,378	1,398	1,400	1,411	1,389	1,389	1,395	1,395	1,394	1,379	1,442	1,419	.....
Livestock and products # ..... do .....	703															

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989											
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
<b>COMMODITY PRICES—Continued</b>																		
<b>CONSUMER PRICES †—Continued</b>																		
<i>(U.S. Department of Labor Indexes)—Continued</i>																		
Not Seasonally Adjusted																		
All items (CPI-U)—Continued	1982-84=100	107.7	111.5	113.0	113.5	113.5	113.5	113.9	114.3	114.8	115.2	116.7	117.5	117.2	117.0	116.7	117.3	118.1
Commodities	do	107.5	111.8	113.7	114.2	114.1	113.9	114.3	114.9	116.2	118.4	119.3	118.7	118.4	119.3	120.1	119.3	120.1
Nondurables	do	101.8	105.8	107.7	108.3	108.2	107.5	107.1	107.6	109.4	112.8	113.9	113.1	112.2	111.5	112.9	114.1	114.1
Durables	do	108.2	110.4	110.6	111.1	111.8	112.2	112.5	112.4	111.9	111.8	111.9	111.9	111.4	111.4	111.3	112.1	112.1
Commodities less food	do	104.3	107.7	108.9	109.5	109.7	109.4	109.5	110.5	112.5	113.2	112.8	112.1	111.6	112.4	113.4	113.4	113.4
Services	do	120.2	125.7	127.3	127.6	127.8	128.1	128.9	129.4	130.0	130.2	130.8	131.6	132.5	133.1	133.4	133.4	133.7
Food #	do	113.5	118.2	120.2	120.3	120.2	120.7	122.2	122.9	123.5	124.2	124.9	125.0	125.5	125.8	126.1	126.5	126.5
Food at home	do	111.9	116.6	119.0	119.0	118.7	119.1	121.2	122.0	122.7	123.5	124.4	124.3	124.8	124.9	125.0	125.4	125.4
Housing	do	114.2	118.5	119.9	119.9	119.9	120.2	120.7	121.1	121.5	121.6	122.1	122.9	123.9	124.2	124.3	124.4	124.4
Shelter #	do	121.3	127.1	128.4	128.8	129.1	129.3	130.3	131.2	131.2	131.8	132.3	133.6	134.1	134.1	134.8	134.8	134.8
Rent, residential	do	123.1	127.8	129.1	129.4	129.8	130.1	130.5	130.9	131.1	131.4	131.7	132.3	133.0	133.5	133.9	134.7	134.7
Homeowners' cost	12/82=100	124.8	131.1	132.6	133.1	133.8	134.0	134.4	134.7	135.0	135.4	136.2	136.5	137.3	138.1	138.9	139.7	139.7
Fuel and other utilities #	1982-84=100	103.0	104.4	106.4	105.4	105.0	105.9	105.9	105.9	106.2	107.0	109.2	109.7	109.7	109.7	108.0	108.0	108.0
Fuel oil and other household fuel commodities	do	77.9	78.1	75.9	74.6	75.0	76.8	80.5	81.4	81.5	82.5	81.5	80.2	79.7	78.9	79.3	82.0	82.0
Gas (piped) and electricity	do	108.8	104.6	108.5	105.8	103.7	104.1	105.1	104.9	104.8	105.0	106.1	110.5	111.1	111.3	111.0	107.6	107.6
Household furnishings and operation	do	107.1	109.4	110.1	110.3	110.6	110.6	110.9	110.5	110.7	110.8	111.1	111.4	111.4	111.7	111.9	111.9	111.9
Apparel and upkeep	do	110.6	115.4	117.8	120.7	119.9	118.0	115.3	119.3	120.9	120.4	117.8	115.0	115.0	120.0	122.7	122.7	122.7
Transportation	do	105.4	108.7	109.7	110.0	110.7	110.8	111.1	111.6	111.9	114.6	115.9	115.4	114.3	114.3	114.5	114.5	114.5
Private	do	104.2	107.6	108.6	109.0	109.6	109.8	110.3	110.7	113.6	115.0	114.9	114.3	113.1	112.4	113.3	113.3	113.3
New cars	do	114.6	116.9	116.8	117.7	118.7	119.1	119.5	119.6	119.6	119.4	119.5	119.1	117.7	117.7	117.7	117.6	117.6
Used cars	do	113.1	118.0	119.4	119.9	119.7	120.2	120.5	120.5	120.7	121.0	121.3	121.1	120.3	119.8	119.7	119.7	119.7
Public	do	121.1	123.3	124.0	124.2	125.3	126.5	127.5	128.1	128.2	128.4	128.9	129.6	129.7	130.1	130.1	130.6	130.6
Medical care	do	130.1	138.6	140.4	141.2	141.8	142.3	143.8	145.2	146.1	146.8	147.5	148.5	149.7	150.7	151.7	152.7	152.7
Seasonally Adjusted ‡																		
All items, percent change from previous month			4	4	3	3	6	4	5	7	6	2	2	0	2	5		
Commodities	1982-84=100	112.7	113.0	113.2	113.4	114.2	114.6	115.3	116.5	117.4	117.4	117.3	116.8	117.0	117.7	117.7	117.7	117.7
Commodities less food	do	108.6	109.0	109.1	109.2	109.9	110.2	110.8	112.4	113.3	113.1	112.8	112.0	112.1	112.3	112.3	112.3	112.3
Food	do	120.3	120.6	120.8	121.2	122.1	122.6	123.6	124.2	125.0	125.3	125.7	125.9	126.2	126.7	126.7	126.7	126.7
Food at home	do	119.0	119.2	119.3	119.8	120.9	121.4	122.6	123.3	124.3	124.5	124.7	124.9	125.0	125.6	125.6	125.6	125.6
Apparel and upkeep	do	116.0	117.4	117.4	117.7	117.7	117.5	119.1	119.4	120.4	120.4	119.1	118.1	118.3	118.3	119.5	119.5	119.5
Transportation	do	109.7	110.1	110.4	110.4	111.2	111.9	112.6	115.0	116.1	115.9	115.2	114.3	114.3	114.5	114.5	114.5	114.5
Private	do	108.7	109.1	109.3	109.3	110.0	110.8	111.5	114.1	115.2	115.0	114.2	114.2	114.2	114.5	114.5	114.5	114.5
New cars	do	117.7	117.8	117.9	118.1	118.9	119.3	119.7	119.8	119.8	119.6	118.8	118.5	118.0	118.7	118.7	118.7	118.7
Services	do	126.8	127.4	128.0	128.6	129.1	129.7	130.3	130.6	131.2	131.6	132.3	132.7	132.9	132.9	133.5	133.5	133.5
<b>PRODUCER PRICES §</b>																		
<i>(U.S. Department of Labor Indexes)</i>																		
Not Seasonally Adjusted																		
All commodities	1982=100	102.8	106.9	108.1	108.2	108.3	109.0	110.5	110.8	111.5	112.3	113.2	113.2	112.9	112.7	112.0	112.3	112.7
By stage of processing:																		
Crude materials for further processing	do	98.7	96.0	96.7	95.9	94.5	97.3	101.4	101.2	103.2	104.4	106.1	104.1	103.7	101.0	102.0	101.8	101.8
Intermediate materials, supplies, and components	do	101.5	107.1	108.7	108.6	108.9	109.4	110.6	111.0	111.5	112.4	112.7	112.7	112.6	112.1	112.4	112.3	112.3
Finished goods #	do	105.4	108.0	108.6	109.4	109.8	110.0	111.1	111.7	112.1	113.0	114.2	114.3	114.0	113.3	113.5	114.8	114.8
Finished consumer goods	do	108.6	106.2	107.0	107.6	108.0	108.2	109.4	110.1	110.6	111.8	112.2	112.1	111.8	111.3	112.1	112.8	113.8
Capital equipment	do	111.7	114.3	114.3	116.0	116.1	117.1	117.5	117.6	117.8	118.1	118.3	118.8	118.6	118.8	118.8	120.3	120.3
By durability of product:																		
Durable goods	do	109.9	111.2	112.7	113.7	113.9	114.3	114.5	115.0	115.3	115.7	116.2	116.5	117.0	117.2	117.6	118.0	118.0
Nondurable goods	do	97.5	101.1	102.7	102.2	102.0	102.8	104.8	105.2	106.1	107.4	108.6	108.2	108.0	107.7	107.2	107.2	107.2
Total manufactures	do	104.4	109.1	110.1	110.5	111.0	111.4	112.5	112.9	113.4	114.4	115.0	114.9	114.6	114.2	114.5	115.2	115.2
Durable manufactures	do	109.6	114.1	114.5	115.6	116.0	116.4	117.1	117.4	117.6	117.8	118.1	118.3	118.1	118.5	119.5	119.5	119.5
Nondurable manufactures	do	99.2	104.1	105.6	106.4	106.1	106.4	107.8										

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CONSTRUCTION AND REAL ESTATE</b>																
<b>CONSTRUCTION PUT IN PLACE @</b>																
New construction (unadjusted), total.....mil. \$	397,720	409,662	38,907	38,170	36,087	32,469	28,272	27,087	30,297	32,441	36,243	38,009	"37,895	"40,044	39,041	
Private, total # .....do....	320,106	323,739	30,334	30,494	29,122	26,476	23,124	22,201	25,193	26,519	28,816	30,114	"29,889	"31,244	29,907	
Residential.....do....	194,656	198,101	18,726	18,684	17,674	14,994	13,289	12,607	14,573	16,022	17,452	18,523	"18,593	"18,863	18,049	
New housing units.....do....	139,915	138,947	13,065	12,920	12,450	10,554	9,831	9,217	10,544	11,161	11,799	12,442	"12,931	"13,009	12,631	
Nonresidential buildings, except farm and																
public utilities, total # ....mil. \$	91,994	97,102	8,680	8,637	8,395	8,291	7,481	7,207	7,953	7,657	8,252	8,419	8,198	"9,166	8,749	
Industrial.....do....	13,707	14,930	1,329	1,435	1,367	1,345	1,177	1,098	1,214	1,232	1,331	1,393	1,344	"1,547	1,583	
Commercial.....do....	55,445	58,103	5,313	5,125	4,949	4,878	4,372	4,219	4,706	4,462	4,832	4,894	4,790	"5,309	4,976	
Public utilities:																
Telecommunications * ..do....	9,194	8,867	826	780	829	810	540	556	642	682	786	766	699	790		
Public, total # .....do....	77,614	80,924	8,572	7,736	6,965	5,993	5,148	4,886	5,104	5,922	7,427	7,895	"8,005	"8,800	9,134	
Buildings (excl. military) # .....do....	25,158	27,455	2,685	2,352	2,304	2,187	2,032	2,088	2,100	2,361	2,497	2,597	2,766	"2,927	2,906	
Housing and redevelopment ..do....	1,519	1,499	137	126	148	130	122	136	122	135	177	175	163	"179	171	
Industrial .....do....	1,457	1,413	169	115	115	103	59	94	126	106	121	128	105	122	165	
Military facilities .....do....	4,324	3,579	364	218	285	325	287	286	312	171	323	360	272	307	354	
Highways and streets .....do....	25,340	28,523	3,181	3,230	2,476	1,785	1,350	1,048	1,233	1,757	2,540	2,939	2,898	"3,407	3,320	
New construction (seasonally adjusted at annual rates), total .....bil. \$			411.5	411.1	415.4	425.0	424.8	418.5	419.2	414.8	420.4	416.9	"409.6	"415.8	415.6	
Private, total # .....do....			329.8	331.4	332.8	336.3	339.5	335.0	340.4	335.5	334.5	333.4	"328.0	"331.5	327.6	
Residential.....do....			198.3	200.8	202.0	202.5	204.7	202.3	204.5	203.7	200.9	198.6	"194.3	"198.6	191.9	
New housing units.....do....			188.0	189.8	141.9	143.3	145.6	145.3	143.2	141.8	138.2	136.5	"136.6	"135.9	134.2	
Nonresidential buildings, except farm and																
public utilities, total # ....bil. \$			97.4	96.5	96.1	98.3	100.5	98.6	101.8	96.0	97.5	98.7	97.5	"101.7	99.1	
Industrial.....do....			14.9	15.5	15.4	15.0	15.9	15.1	15.7	16.2	15.9	16.3	"16.4	"17.5	17.6	
Commercial.....do....			58.8	57.3	56.7	58.7	59.4	58.7	60.7	55.6	56.8	57.4	"56.5	"57.8	55.7	
Public utilities:																
Telecommunications * ..do....			9.2	8.8	9.2	9.8	8.2	8.0	7.8	8.8	8.9	8.6	8.5	8.2		
Public, total # .....do....			81.7	79.7	82.6	88.8	85.3	83.4	78.7	79.4	85.9	83.5	"81.6	"84.4	88.0	
Buildings (excl. military) # .....do....			28.9	26.9	28.0	28.5	27.8	29.9	27.8	29.2	29.9	29.5	30.1	"30.7	31.4	
Housing and redevelopment ..do....			1.6	1.5	1.8	1.6	1.5	1.6	1.5	1.6	2.1	2.1	2.0	"2.1	2.1	
Industrial .....do....			2.0	1.4	1.4	1.2	.7	1.1	1.5	1.3	1.4	1.5	1.3	1.5	2.0	
Military facilities .....do....			4.4	2.6	3.4	3.9	3.4	3.4	3.7	2.1	3.9	4.3	3.3	3.7	4.2	
Highways and streets .....do....			26.3	28.7	29.0	33.7	30.8	27.9	26.1	27.8	27.4	27.3	26.1	"27.4	27.9	
<b>CONSTRUCTION CONTRACTS</b>																
Construction contracts (F.W. Dodge Division, McGraw-Hill):																
Valuation, total .....mil. \$	258,090	253,147	22,670	"22,223	18,601	18,027	15,776	15,086	21,080	21,725	23,796	24,650	22,330	24,128	23,371	22,669
Index (mo. data seas. adj.) ††: 1982=100	"165	"166	"164	"170	"163	"175	"171	"159	"157	"173	"165	"166	"167	"162	"175	165
Public ownership .....mil. \$	66,318	66,077	6,134	"5,805	4,257	4,468	3,723	3,998	6,011	6,042	6,754	6,859	6,111	6,381	6,725	6,278
Private ownership .....do....	191,772	187,070	16,536	"16,418	14,345	13,558	12,053	11,089	15,068	17,042	17,792	16,219	17,747	16,647	16,391	
By type of building:																
Nonresidential.....do....	91,941	86,794	8,019	"7,913	6,592	5,888	6,081	5,183	6,600	6,510	7,959	8,496	7,976	8,626	8,786	8,533
Residential.....do....	121,128	120,867	10,519	"10,473	9,450	8,897	7,515	7,187	10,118	10,999	11,389	11,568	10,318	11,554	10,159	10,517
Non-building construction.....do....	45,921	45,486	4,131	"3,836	2,560	3,242	2,181	2,766	4,361	4,216	4,448	4,586	4,036	3,949	4,426	3,619
New construction planning (Engineering News-Record) § .....do....	267,823	283,448	20,405	23,176	25,114	20,652	23,659	22,688	25,083	23,972	20,155	24,319	21,210	25,170	21,042	
<b>HOUSING STARTS AND PERMITS</b>																
New housing units started:																
Unadjusted:																
Total (private and public) ..thous. ....do....	1,622.7	(*)—	181.4	135.2	113.2	(*)—										
Privately owned.....do....	1,620.5	1,488.1	131.1	135.1	113.0	94.2	100.1	85.8	117.8	129.4	131.7	143.2	134.7	"122.4	"109.3	129.4
One-family structures.....do....	1,146.4	1,081.3	91.7	97.7	81.2	65.7	69.9	59.3	83.5	100.4	101.4	100.3	98.0	"91.7	"81.5	91.7
Seasonally adjusted at annual rates: ♦																
Total privately owned .....do....			1,463	1,532	1,567	1,577	1,678	1,465	1,409	1,343	1,308	1,406	1,420	"1,329	"1,268	1,420
One-family structures.....do....			1,039	1,136	1,188	1,141	1,199	1,029	981	977	972	1,026	1,036	"990	"961	1,027
New private housing units authorized by building permits (17,000 permit-issuing places):																
Monthly data are seas. adj. at annual rates:																
Total .....thous. ....do....	1,535	1,456	1,432	1,526	1,508	1,518	1,486	1,403	1,230	1,334	1,347	1,305	1,281	1,328	"1,319	1,328
One-family structures.....do....	1,024	994	980	1,029	1,027	1,058	1,052	989	870	954	905	874	927	"946	953	
Manufacturers' shipments of mobile homes:																
Unadjusted .....thous. ....do....	232.8	218.3	20.6	19.8	17.6	14.2	15.3	14.6	18.2	17.1	19.1	18.9	14.4	19.4	16.5	
Seasonally adjusted at annual rates .....do....																
224	216	227	225	232	212	207	198	205	202	178	194	185				
<b>CONSTRUCTION COST INDEXES</b>																
Dept. of Commerce composite † .....1982=100 ..	114.4	116.2	116.6	116.9	116.9	117.1	118.6	119.8	120.4	119.7	119.5	119.5	"119.9	"121.2	121.3	
Boeckh indexes:																
Average, 20 cities:																
Apartments, hotels, office buildings .....1982=100 ..	117.3	120.2	121.1	121.5	121.5	123.9	124.0	124.2	124.8	124.8	124.8	124.8				125.5
Commercial and factory buildings .....do....	115.1	118.3	119.0	119.6	121.1	121.5	121.5	123.5	124.0	124.0	124.0	124.0				125.1
Residences .....do....	119.7	122.3	123.1	123.7	125.6	126.3	126.3	126.7	127.4	127.4	127.4	127.4				128.7
Engineering News-Record:																

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
CONSTRUCTION AND REAL ESTATE—Continued																	
<b>REAL ESTATE ♦</b>																	
Mortgage applications for new home construction:																	
FHA applications.....thous. units do	165.3	104.9	8.3	8.5	7.3	7.2	6.4	7.3	9.9	8.3	12.4	12.2	9.9	12.5	10.4	10.9	
Seasonally adjusted annual rates.....do		96	120	104	104		86	91	92	92	132	138	128	142	132	151	
Requests for VA appraisals.....do	193.4	149.8	9.4	8.3	9.1	7.7	8.0	9.6	13.7	9.1	9.5	10.4	9.2	10.2	9.0	.....	
Seasonally adjusted annual rates.....do		116	109	201	190		120	116	135	102	103	110	113	108	111	.....	
Home mortgages insured or guaranteed by:																	
Fed. Hous. Adm.: Face amount.....mil. \$ do	81,880.51	42,577.16	3,654.99	4,642.41	2,535.11	3,501.38	4,629.29	3,508.80	3,189.10	3,064.37	3,166.56	3,773.70	3,059.58	3,511.30	4,325.96	4,790.37	
Vet. Adm.: Face amount \$.....do	33,322.54	15,773.84	1,504.53	1,388.99	1,334.34	1,368.01	1,239.99	1,222.92	1,363.51	1,127.15	1,164.14	1,071.66	984.90	1,102.03	1,032.98	1,217.48	
Federal Home Loan Banks, outstanding advances to member institutions, end of period.....mil. \$ do	133,054	152,777	141,562	142,260	145,771	152,777	154,014	158,267	163,779	165,630	164,268	161,870	159,648	156,293	151,101	148,745	
New mortgage loans of SAIIF-insured institutions, estimated total @ ... mil. \$ By purpose of loan:	253,407	240,365	23,331	19,725	18,303	21,677	15,522	<sup>2</sup> 13,778	18,541	16,113	16,116	15,774	13,223	16,442	.....	.....	
Home construction.....do	28,413	29,546	2,860	2,432	2,256	2,705	1,971	<sup>2</sup> 1,796	2,503	2,268	2,397	2,426	2,039	2,285	.....	.....	
Home purchase.....do	190,750	176,458	17,140	14,792	13,638	15,273	11,458	<sup>2</sup> 10,343	13,768	12,126	11,815	11,403	9,842	12,748	.....	.....	
All other purposes.....do	34,245	34,362	3,332	2,502	2,408	3,700	2,093	<sup>2</sup> 1,640	2,269	1,719	1,904	1,945	1,342	1,407	.....	.....	

## DOMESTIC TRADE

<b>ADVERTISING</b>																	
Magazine advertising (Leading National Advertisers):																	
Cost, total.....mil. \$																	
Apparel and accessories.....do																	
Automotive, incl. accessories.....do																	
Building materials.....do																	
Drugs and toiletries.....do																	
Foods, soft drinks, confectionery.....do																	
Beer, wine, liquors.....do																	
Houshold equip., supplies, furnishings.....do																	
Industrial materials.....do																	
Soaps, cleansers, etc.....do																	
Smoking materials.....do																	
All other.....do																	
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.): <sup>††</sup>																	
Total.....mil. \$	29,412	31,197				8,520				7,317							
Classified.....do	10,691	11,771				2,844				2,810							
National.....do	3,494	3,586				920				895							
Retail.....do	15,227	15,840				4,756				3,612							
<b>WHOLESALE TRADE †</b>																	
Merchant wholesalers sales (unadj.), total.....mil. \$	1,482,975	1,588,330	136,994	141,335	138,289	136,599	131,786	127,414	148,920	137,567	148,832	146,662	134,412	<sup>148,912</sup>	142,638	.....	
Durable goods establishments.....do	725,683	782,744	68,511	70,825	68,957	67,261	63,265	62,003	72,946	68,014	73,231	72,803	66,904	<sup>74,373</sup>	72,222	.....	
Nondurable goods establishments.....do	757,292	805,586	68,483	70,510	69,352	69,338	68,521	65,411	75,974	69,553	75,601	73,859	67,508	<sup>74,539</sup>	70,416	.....	
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total.....mil. \$	162,964	178,884	175,787	178,969	178,197	178,884	181,054	181,481	181,246	182,305	181,114	182,346	182,771	<sup>180,360</sup>	182,097	.....	
Durable goods establishments.....do	105,145	114,176	115,469	115,561	114,648	114,176	115,885	117,512	117,890	120,185	121,145	121,043	123,080	<sup>121,019</sup>	121,542	.....	
Nondurable goods establishments.....do	57,819	64,708	60,318	63,408	63,549	64,708	65,169	63,969	63,356	62,120	59,969	61,303	59,691	<sup>59,341</sup>	60,555	.....	
<b>RETAIL TRADE ‡</b>																	
All retail stores:																	
Estimated sales (unadj.), total.....mil. \$	1,521,417	1,629,150	133,000	135,898	140,249	170,811	122,467	118,891	139,759	137,924	148,165	147,055	142,630	<sup>150,861</sup>	<sup>142,547</sup>	<sup>141,486</sup>	
Durable goods stores #.....do	572,489	628,543	51,076	51,113	51,683	59,847	46,036	45,146	53,784	53,754	58,971	58,702	55,307	<sup>59,946</sup>	<sup>55,029</sup>	<sup>52,366</sup>	
Building materials, hardware, garden supply, and mobile home dealers#.....mil. \$	81,549	88,894	7,811	7,876	7,318	7,255	5,880	5,491	6,774	7,865	9,069	8,737	8,187	<sup>8,564</sup>	<sup>7,831</sup>	<sup>8,238</sup>	
Automotive dealers.....do	334,429	369,028	29,748	29,660	28,766	28,613	27,238	27,201	33,262	32,491	35,242	35,016	32,874	<sup>32,687</sup>	<sup>32,637</sup>	<sup>29,491</sup>	
Furniture, home furnishings, and equipment.....do	84,562	92,952	7,543	7,713	8,643	11,130	7,505	7,054	7,840	7,596	8,089	8,308	7,962	<sup>8,489</sup>	<sup>8,129</sup>	<sup>8,162</sup>	
Non durable goods stores.....do	948,928	1,000,607	81,924	84,785	88,566	110,964	76,481	73,745	85,975	84,170	89,194	88,353	87,922	<sup>90,915</sup>	<sup>87,518</sup>	<sup>89,120</sup>	
General merch. group stores.....do	176,023	183,783	13,972	15,357	18,800	29,944	10,954	11,025	14,537	14,657	15,489	15,219	14,166	<sup>15,908</sup>	<sup>14,940</sup>	<sup>15,957</sup>	
Food stores.....do	314,605	331,892	27,875	27,927	27,764	30,888	27,204	26,125	29,459	28,373	30,281	30,388	30,794	<sup>30,651</sup>	<sup>30,124</sup>	<sup>29,778</sup>	
Gasoline service stations.....do	98,680	101,916	8,894	8,724	8,365	8,499	7,985	7,649	8,599	9,113	9,859	9,819	9,852	<sup>9,707</sup>	<sup>9,144</sup>	<sup>9,245</sup>	
Apparel and accessory stores.....do	77,998	82,028	6,735	7,018	7,780	12,026	5,480	5,103	6,992	6,774	7,056	6,834	9,887	<sup>7,786</sup>	<sup>7,333</sup>	<sup>7,340</sup>	
Eating and drinking places.....do	147,717	157,504	13,435	13,681	12,955	12,497	11,885	13,567	13,648	14,153	14,456	14,627	<sup>14,850</sup>	<sup>14,060</sup>	<sup>14,088</sup>	.....	
Drug and proprietary stores.....do	54,958	58,729	4,707	4,796	4,834	6,498	4,898	4,778	5,222	4,814	5,178	5,054	4,956	<sup>5,187</sup>	<sup>5,070</sup>	<sup>5,242</sup>	
Liquor stores.....do	19,488	19,143	1,512	1,508	1,574	2,303	1,425	1,385	1,499	1,509	1,645	1,675	1,725	<sup>1,674</sup>	<sup>1,618</sup>	.....	
Estimated sales (seas. adj.), total.....do			<sup>135,421</sup>	<sup>138,176</sup>	<sup>139,529</sup>	<sup>139,189</sup>	<sup>140,040</sup>	<sup>139,428</sup>	<sup>139,516</sup>	<sup>141,413</sup>	<sup>142,543</sup>	<sup>142,500</sup>	<sup>143,555</sup>	<sup>144,860</sup>	<sup>145,904</sup>	<sup>144,466</sup>	
Durable goods stores #.....do			<sup>51,188</sup>	<sup>53,258</sup>	<sup>53,930</sup>	<sup>54,154</sup>	<sup>53,815</sup>	<sup>53,071</sup>	<sup>52,886</sup>	<sup>53,901</sup>	<sup>54,139</sup>	<sup>54,016</sup>	<sup>54,653</sup>	<sup>55,876</sup>	<sup>55,903</sup>	<sup>54,399</sup>	
Bldg. materials, hardware, garden supply, and mobile home dealers#.....mil. \$			<sup>7,442</sup>	<sup>7,419</sup>	<sup>7,640</sup>	<sup>7,822</sup>	<sup>7,742</sup>	<sup>7,483</sup>	<sup>7,228</sup>	<sup>7,481</sup>	<sup>7,611</sup>	<sup>7,593</sup>	<sup>7,605</sup>	<sup>7,731</sup>	<sup>7,634</sup>	<sup>7,699</sup>	
Building materials and supply stores.....do			<sup>5,284</sup>	<sup>5,279</sup>	<sup>5,508</sup>	<sup>5,639</sup>	<sup>5,678</sup>	<sup>5,409</sup>	<sup>5,190</sup>	<sup>5,351</sup>	<sup>5,402</sup>	<sup>5,384</sup>	<sup>5,325</sup>	<sup>5,395</sup>	<sup>5,280</sup>	.....	
Hardware stores.....do			<sup>7,121</sup>	<sup>7,193</sup>	<sup>1,201</sup>	<sup>1,190</sup>	<sup>1,175</sup>	<sup>1,149</sup>	<sup>1,117</sup>	<sup>1,139</sup>	<sup>1,204</sup>	<sup>1,193</sup>	<sup>1,208</sup>	<sup>1,215</sup>	<sup>1,231</sup>	.....	
Automotive dealers.....do			<sup>29,538</sup>	<sup>31,577</sup>	<sup>31,800</sup>	<sup>31,803</sup>	<sup>31,194</sup>	<sup>30,643</sup>	<								

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			1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>DOMESTIC TRADE—Continued</b>																	
<b>RETAIL TRADE ‡—Continued</b>																	
All retail stores—Continued																	
Estimated sales (seas. adj.)—Continued																	
Nondurable goods stores ..... mil. \$ .....			84,233	84,918	85,599	85,035	86,225	86,857	86,630	87,512	88,404	88,484	88,902	88,984	90,001	90,067	
General merch. group stores ..... do .....			15,255	15,543	15,728	15,754	15,985	15,755	15,746	15,878	15,743	16,025	16,090	16,012	16,343	16,396	
Department stores excluding leased departments ..... do .....			12,816	13,068	13,204	13,238	13,353	13,238	13,246	13,400	13,208	13,471	13,497	13,444	13,676	13,691	
Variety stores ..... do .....			674	697	704	695	683	654	643	623	640	660	672	672	690	.....	
Food stores ..... do .....			28,005	28,135	28,410	28,026	28,730	29,016	29,046	29,243	29,606	29,592	29,775	29,895	30,181	30,492	
Grocery stores ..... do .....			26,233	26,357	26,619	26,263	26,928	27,193	27,156	27,445	27,768	27,770	27,946	28,060	28,257	28,706	
Gasoline service stations ..... do .....			8,517	8,587	8,484	8,457	8,477	8,633	8,847	9,186	9,453	9,369	9,327	9,072	9,108	9,028	
Apparel and accessory stores # ..... do .....			6,958	7,032	7,026	7,101	7,189	6,978	6,977	7,248	7,287	7,337	7,385	7,444	7,454	7,467	
Men's and boys' clothing and furnishings stores ..... do .....			780	790	742	774	808	776	772	781	774	775	766	768	786	.....	
Women's clothing, specialty stores, and furriers ..... do .....			2,678	2,688	2,761	2,750	2,812	2,707	2,723	2,799	2,815	2,792	2,785	2,801	2,789	.....	
Shoe stores ..... do .....			1,227	1,223	1,223	1,275	1,280	1,209	1,216	1,314	1,329	1,345	1,351	1,340	1,344	.....	
Eating and drinking places ..... do .....			13,381	13,492	13,666	13,696	13,778	13,677	13,581	13,567	13,648	13,676	13,734	13,750	13,990	13,962	
Drug and proprietary stores ..... do .....			4,950	4,960	5,020	4,875	5,129	5,199	5,151	5,057	5,182	5,095	5,179	5,250	5,371	5,427	
Liquor stores ..... do .....			1,562	1,548	1,571	1,590	1,623	1,614	1,633	1,648	1,641	1,655	1,649	1,668	.....	.....	
Estimated inventories, end of period:																	
Book value (non-LIFO basis), (unadjusted), total ..... mil. \$ .....			201,799	215,842	216,706	226,290	230,599	215,842	215,551	221,571	226,793	229,201	230,642	230,716	229,497	228,410	
Durable goods stores # ..... do .....			105,716	114,461	107,559	111,742	115,396	114,461	114,898	117,591	119,414	120,293	121,298	121,487	118,461	114,526	
Bldg. materials, hardware, garden supply, and mobile home dealers ..... do .....			14,126	14,861	14,800	14,674	14,728	14,861	14,971	15,647	16,187	16,083	16,262	16,050	15,585	15,305	
Automotive dealers ..... do .....			56,596	60,719	52,460	54,915	57,727	60,719	61,450	63,816	64,733	65,609	66,116	66,260	63,157	58,795	
Furniture, home furnishings, and equipment ..... do .....			16,281	18,030	18,468	19,127	19,337	18,030	17,679	17,527	17,799	17,624	17,655	17,752	17,699	17,943	
Nondurable goods stores # ..... do .....			96,083	101,381	109,147	114,548	115,203	101,381	100,653	103,980	107,379	108,908	109,344	109,229	111,036	113,884	
General merch. group stores ..... do .....			38,478	35,222	40,278	43,637	44,025	35,222	34,682	36,823	39,711	39,505	39,204	40,230	41,664	.....	
Department stores excluding leased departments ..... do .....			26,510	28,293	31,735	34,723	35,361	28,293	27,726	29,492	31,170	32,030	31,913	31,628	32,257	33,346	
Food stores ..... do .....			20,521	21,852	21,384	22,002	22,157	21,852	21,715	21,658	21,915	22,022	22,338	22,464	22,404	22,304	
Apparel and accessory stores ..... do .....			15,728	16,173	18,907	19,772	19,651	16,173	15,965	17,323	17,922	18,034	18,003	17,769	18,578	19,258	
Book value (non-LIFO basis), (seas. adj.), total ..... mil. \$ .....			206,981	221,242	219,297	216,724	218,093	221,242	222,584	224,185	224,693	226,656	230,423	231,762	232,881	234,428	
Durable goods stores # ..... do .....			106,271	114,994	114,303	111,689	112,904	114,994	115,704	116,169	115,993	118,093	119,542	119,864	120,897	.....	
Bldg. materials, hardware, garden supply, and mobile home dealers ..... do .....			14,823	15,610	14,919	14,897	15,187	15,610	15,514	15,694	15,685	15,479	15,667	15,613	15,446	15,305	
Automotive dealers ..... do .....			55,500	59,421	60,078	57,660	58,188	59,421	60,123	60,631	60,656	62,440	63,739	64,054	64,082	65,115	
Furniture, home furn., and equip ..... do .....			16,280	18,084	18,213	18,027	18,106	18,084	18,151	18,182	18,162	17,856	17,906	17,968	18,116	18,106	
Nondurable goods stores # ..... do .....			100,710	106,248	104,994	105,035	105,189	106,248	106,880	108,016	108,700	109,563	111,588	112,220	112,967	113,531	
General merch. group stores ..... do .....			36,856	38,766	37,997	38,231	38,405	38,766	38,578	39,049	39,459	39,496	40,439	40,866	41,345	41,498	
Department stores excluding leased departments ..... do .....			29,036	30,989	30,109	30,459	30,669	30,989	30,875	31,275	31,645	31,682	32,581	33,015	33,427	33,446	
Food stores ..... do .....			20,362	21,706	21,475	21,475	21,228	21,706	21,845	21,910	21,349	22,221	22,540	22,586	22,716	.....	
Apparel and accessory stores ..... do .....			17,022	17,522	17,803	17,813	17,656	17,522	17,759	18,177	18,067	18,179	18,427	18,548	18,709	18,625	
Firms with 11 or more stores:																	
Estimated sales (unadj.), total ..... mil. \$ .....			567,503	598,623	48,067	50,208	54,671	74,881	43,742	42,223	50,597	49,761	52,791	52,244	50,966	53,982	
Durable goods stores ..... do .....			67,830	74,492	5,960	6,149	6,743	10,383	5,206	4,854	5,790	6,020	6,663	6,576	6,393	6,656	
Auto and home supply stores ..... do .....			7,274	7,624	645	682	634	538	508	641	681	738	753	749	781	.....	
Nondurable goods stores # ..... do .....			499,673	524,131	42,107	44,059	47,928	64,498	38,536	37,369	44,807	43,741	46,128	45,668	44,573	47,326	
General merchandise group stores ..... do .....			162,306	170,529	12,986	14,270	17,565	27,994	10,123	10,918	13,487	13,572	14,331	14,124	13,066	14,791	
Ford stores ..... do .....			179,202	187,687	15,569	15,694	15,595	17,627	15,636	14,813	16,649	15,850	16,791	16,695	16,941	16,756	
Grocery stores ..... do .....			176,420	184,820	15,354	15,479	15,383	17,233	15,423	14,587	16,384	16,532	16,586	16,462	16,712	16,523	
Apparel and accessory stores ..... do .....			41,866	43,888	3,585	3,708	4,263	6,678	2,734	2,625	3,785	3,644	3,812	3,708	3,496	4,364	
Eating places ..... do .....			37,793	39,302	3,814	3,411	3,224	3,886	3,147	2,986	3,502	3,511	3,552	3,607	3,712	3,770	
Drug stores and proprietary stores ..... do .....			32,255	34,515	2,714	2,748	2,860	4,146	2,924	2,846	3,110	2,830	3,081	3,029	2,955	3,093	
Estimated sales(sea. adj.), total# ..... do .....			50,151	50,842	50,997	50,802	52,494	51,858	51,584	52,805	52,764	52,035	53,073	53,286	53,355	.....	
Auto and home supply stores ..... do .....			635	641	618	622	645	647	650	649	645	685	708	715	711	.....	
Department stores excluding leased departments ..... do .....			12,401	12,688	12,793	12,884	12,952	12,791	12,790	12,899	12,726	13,032	13,030	13,008	.....	.....	
Variety stores ..... do .....			551	566	557	547	548	514	518	494	503	525	525	535	581	.....	
Grocery stores ..... do .....			15,478	15,667	15,645	15,400	16,098	16,083	15,953	16,132	16,263	16,219	16,252	16,352	16,295	.....	
Apparel and accessory stores ..... do .....			3,712	3,773	3,778	3,716	3,884	3,779	3,721	3,952	3,988	3,996	4,017	4,017	.....	.....	
Women's clothing, specialty stores, and furriers ..... do .....			1,421	1,453	1,483	1,480	1,545	1,472	1,474	1,555	1,596	1,554	1,552	1,557	1,557	.....	
Shoe stores ..... do .....			781	771	761	780	782	751	744	844	828	842	852	852	856	.....	
Drug stores and proprietary stores ..... do .....			2,898	2,902	2,948	2,846	3,071	3,159	3,049	3,083	3,078	3,127	3,169	3,169</td			

Units	Annual				1988				1989							
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in <i>BUSINESS STATISTICS, 1988</i>																
<b>LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued</b>																
<b>LABOR FORCE—Continued</b>																
Seasonally Adjusted ♦																
Civilian labor force—Continued																
Unemployed—Continued																
Rate(unemployed in each group as percent of civilian labor force in the group):																
All civilian workers	6.2	5.5	5.4	5.3	5.4	5.3	5.4	5.1	5.0	5.3	5.2	5.3	5.2	5.2	5.3	5.3
Men, 20 years and over	5.4	4.8	4.6	4.6	4.8	4.7	4.6	4.5	4.2	4.6	4.3	4.3	4.4	4.8	4.5	4.5
Women, 20 years and over	5.4	4.9	4.8	4.7	4.7	4.7	4.7	4.5	4.6	4.7	4.8	4.9	5.0	4.7	4.5	4.7
Both sexes, 16-19 years	16.9	15.3	15.5	15.0	14.1	14.8	16.4	14.8	13.7	14.4	15.2	15.6	14.7	14.5	15.1	14.9
White	5.3	4.7	4.7	4.6	4.6	4.6	4.6	4.3	4.2	4.6	4.4	4.5	4.6	4.5	4.5	4.4
Black	13.0	11.7	10.9	11.2	11.2	11.6	12.0	11.9	10.9	10.8	11.0	11.9	10.9	11.1	11.6	11.8
Hispanic origin	8.8	8.2	7.5	7.8	8.0	7.6	8.4	6.8	6.5	8.3	7.9	8.1	9.0	8.3	7.9	7.9
Married men, spouse present	3.9	3.3	3.1	3.1	3.3	3.1	3.1	3.1	2.9	3.2	2.9	2.8	2.9	3.1	3.4	3.0
Married women, spouse present	4.3	3.9	3.8	3.7	3.8	3.7	3.6	3.4	3.5	4.0	3.8	3.8	3.9	3.8	4.0	4.0
Women who maintain families	9.2	8.1	8.1	7.9	7.7	8.2	8.0	7.9	7.6	8.3	7.9	8.7	8.0	7.6	7.6	7.6
Industry of last job:																
Private nonagricultural wage and salary workers	6.2	5.5	5.4	5.4	5.5	5.4	5.6	5.1	5.0	5.4	5.2	5.3	5.4	5.4	5.3	5.3
Construction	11.6	10.6	9.6	10.0	10.6	10.4	10.4	10.0	9.4	9.7	9.3	10.0	10.5	10.3	10.4	9.0
Manufacturing	6.0	5.3	5.4	5.3	5.1	5.2	5.3	4.9	4.8	4.9	4.9	5.2	5.0	5.1	5.4	5.4
Durable goods	5.8	5.0	5.2	5.9	4.9	5.0	5.0	4.4	4.7	4.5	4.6	4.7	4.8	4.7	5.2	5.2
Agricultural wage and salary workers	10.5	10.6	10.8	10.2	9.8	8.8	9.5	8.9	8.9	10.5	10.3	11.0	8.5	8.6	7.7	10.0
Not Seasonally Adjusted																
Occupation:																
Managerial and professional specialty	2.3	1.9	2.1	1.9	1.6	1.7	2.1	2.0	1.8	1.8	1.9	2.0	2.2	2.1	2.3	1.9
Technical, sales, and administrative support	4.3	4.0	4.2	3.9	3.8	3.5	4.3	4.0	3.8	3.6	3.9	3.8	4.1	3.9	4.0	4.1
Service occupations	7.7	6.9	6.5	6.8	6.8	6.2	7.0	6.3	5.9	7.0	6.6	6.9	6.5	6.5	6.3	6.3
Precision production, craft, and repair	6.1	5.4	4.3	5.0	5.2	5.3	6.7	6.8	6.1	5.6	5.1	4.9	4.0	4.5	4.6	4.5
Operators, fabricators, and laborers	9.4	8.4	7.7	7.0	7.8	8.2	10.0	9.2	8.3	7.8	6.9	7.6	8.1	7.5	7.5	7.3
Farming, forestry, and fishing	7.1	7.2	6.7	6.8	7.5	7.5	9.2	8.5	7.9	6.3	5.4	5.1	4.7	5.1	4.6	6.3
<b>EMPLOYMENT 8</b>																
Employees on payrolls of nonagricultural estab.: Total, not adjusted for seas. variation...thous..	102,200	105,584	106,601	107,279	107,736	107,917	105,915	106,342	107,017	107,944	108,745	109,534	108,540	108,666	109,477	110,124
Private sector (excl. government)...do...	85,190	88,212	89,416	89,571	89,827	90,098	88,380	88,463	89,052	89,975	90,715	91,742	91,733	91,973	91,871	91,896
Seasonally Adjusted																
Total employees, nonagricultural payrolls...	102,200	105,584	106,207	106,475	106,824	107,097	107,442	107,711	107,888	108,101	108,310	108,607	108,767	108,887	109,088	109,321
Private sector (excl. government)...do...	85,190	88,212	88,736	88,991	89,299	89,574	89,897	90,124	90,291	90,475	90,628	90,884	91,016	91,083	91,324	
Nonmanufacturing industries ...	66,166	68,809	69,305	69,486	69,742	69,985	70,249	70,476	70,611	70,808	70,956	71,284	71,367	71,439	71,629	71,781
Goods-producing ...	24,708	25,249	25,813	25,584	25,460	25,513	25,626	25,646	25,671	25,672	25,648	25,669	25,607	25,607	25,604	
Mining ...	717	721	719	717	712	711	711	711	711	720	722	715	706	729	730	732
Construction ...	4,987	5,125	5,183	5,162	5,191	5,213	5,267	5,270	5,252	5,283	5,288	5,314	5,321	5,321	5,329	
Manufacturing ...	19,024	19,403	19,431	19,505	19,557	19,589	19,648	19,680	19,672	19,667	19,650	19,649	19,644	19,556	19,543	
Durable goods ...	11,194	11,437	11,464	11,509	11,545	11,565	11,605	11,594	11,567	11,594	11,594	11,594	11,551	11,477	11,449	
Lumber and wood products ...	741	765	763	770	775	780	784	778	777	772	771	769	767	763	759	763
Furniture and fixtures ...	516	530	530	531	532	532	532	534	535	537	534	534	536	529	528	525
Stone, clay and glass products ...	586	600	600	603	605	607	608	606	607	606	604	603	602	596	599	
Primary metal industries ...	747	774	779	783	784	785	786	786	788	787	787	785	786	776	775	
Fabricated metal products ...	1,401	1,431	1,436	1,442	1,445	1,449	1,458	1,458	1,457	1,454	1,452	1,449	1,446	1,443	1,438	1,433
Machinery, except electrical ...	2,003	2,082	2,098	2,110	2,120	2,126	2,134	2,138	2,144	2,150	2,152	2,154	2,154	2,148	2,140	2,140
Electric and electronic equip...	2,069	2,070	2,072	2,073	2,075	2,087	2,065	2,062	2,060	2,058	2,050	2,041	2,040	2,034	2,024	2,017
Transportation equipment ...	2,051	2,051	2,044	2,055	2,060	2,079	2,063	2,079	2,071	2,073	2,062	2,046	2,063	2,036	2,024	
Instruments and related products ...	706	749	756	758	762	767	770	772	776	777	778	779	781	782	780	781
Miscellaneous manufacturing ...	371	386	386	384	387	389	390	391	390	391	392	392	392	393	392	392
Nondurable goods ...	7,830	7,967	7,967	7,966	8,012	8,024	8,043	8,054	8,076	8,072	8,073	8,083	8,100	8,098	8,079	8,094
Food and kindred products ...	1,620	1,636	1,627	1,644	1,648	1,646	1,650	1,650	1,655	1,657	1,656	1,663	1,678	1,677	1,677	1,684
Tobacco manufactures ...	55	56	55	55	56	56	56	56	56	54	53	52	52	51	51	51
Textile mill products ...	726	729	726	728	725	724	728	728	729	728	728	729	730	727	728	726
Apparel and other textile products ...	1,099	1,092	1,085	1,083	1,088	1,090	1,092	1,096	1,101	1,098	1,093	1,094	1,095	1,095	1,085	1,083
Paper and allied products ...	680	693	693	695	695	696	696	696	697	697	701	700	697	699		
Printing and publishing ...	1,506	1,561	1,573	1,577	1,581	1,588	1,595	1,595	1,600	1,601	1,603	1,607	1,611	1,612	1,614	
Chemicals and allied products ...	1,026	1,065	1,072	1,074	1,075	1,079	1,084	1,085	1,088	1,090	1,094	1,094	1,091	1,097	1,095	1,096
Petroleum and coal products ...	164	162	162	162	162	162	160	161	161	162	162	163	163	163	163	164
Rubber and plastics products ...	811	829	830	836	839	840	839	843	845	843	843	841	841	8		

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

<b>EMPLOYMENT S—Continued</b>																	
<b>Seasonally Adjusted</b>																	
Production or nonsupervisory workers—Continued																	
Nondurable goods .....	thous ..	5,531	5,619	5,610	5,634	5,648	5,655	5,665	5,677	5,693	5,686	5,691	5,694	5,713	5,705	5,690	<sup>a</sup> 5,698
Food and kindred products .....	do ..	1,148	1,163	1,156	1,169	1,173	1,172	1,175	1,177	1,182	1,184	1,184	1,190	1,205	1,197	1,205	<sup>a</sup> 1,207
Tobacco manufactures .....	do ..	42	42	40	41	42	42	41	41	41	40	38	38	39	39	38	<sup>a</sup> 38
Textile mill products .....	do ..	630	632	629	629	628	628	630	630	630	630	630	630	631	627	624	<sup>a</sup> 627
Apparel and other textile products .....	do ..	923	919	912	912	916	919	922	926	930	927	925	922	922	917	915	<sup>a</sup> 911
Paper and allied products .....	do ..	516	524	523	524	525	525	524	524	525	524	525	525	525	528	528	<sup>a</sup> 528
Printing and publishing .....	do ..	841	874	873	881	883	886	887	888	891	889	891	892	893	894	892	<sup>a</sup> 893
Chemicals and allied products .....	do ..	575	596	600	602	604	607	608	610	609	614	616	614	617	614	617	<sup>a</sup> 617
Petroleum and coal products .....	do ..	107	105	106	106	106	105	104	105	105	106	107	107	107	107	107	<sup>a</sup> 107
Rubber and plastics products .....	do ..	629	646	647	652	655	656	656	659	660	660	660	656	657	658	654	<sup>a</sup> 655
Leather and leather products .....	do ..	120	119	119	118	118	118	119	119	118	118	118	117	116	115	115	<sup>a</sup> 115
Service-producing .....	do ..	51,618	53,637	54,012	54,156	54,344	54,531	54,709	54,901	55,049	55,151	55,257	55,533	55,623	55,670	55,800	<sup>a</sup> 55,909
Transportation and public utilities .....	do ..	4,455	4,610	4,635	4,653	4,671	4,691	4,704	4,718	4,735	4,752	4,763	4,779	4,665	4,752	4,750	<sup>a</sup> 4,750
Wholesale trade .....	do ..	4,682	4,854	4,890	4,917	4,931	4,945	4,970	4,990	5,007	5,016	5,021	5,038	5,046	5,050	5,050	<sup>a</sup> 5,050
Retail trade .....	do ..	16,431	16,936	16,997	17,017	17,066	17,106	17,171	17,215	17,244	17,235	17,280	17,317	17,388	17,388	17,388	<sup>a</sup> 17,388
Finance, insurance, and real estate .....	do ..	4,808	4,849	4,858	4,866	4,873	4,879	4,886	4,893	4,900	4,902	4,918	4,933	4,944	4,954	4,967	<sup>a</sup> 4,971
Services .....	do ..	21,242	22,389	22,632	22,717	22,817	22,924	23,000	23,105	23,197	23,283	23,300	23,504	23,541	23,625	23,658	<sup>a</sup> 23,740
<b>AVERAGE HOURS PER WEEK S</b>																	
<b>Seasonally Adjusted</b>																	
Avg. weekly hours per worker on private nonagric. payrolls: <sup>◊</sup>																	
Not seasonally adjusted .....	hours ..	34.8	34.7	34.8	34.9	34.7	34.9	34.5	34.3	34.4	34.8	34.5	34.8	35.1	34.9	34.8	<sup>a</sup> 34.9
Seasonally adjusted .....	do ..																<sup>a</sup> 34.8
Mining <sup>‡</sup> .....	do ..	42.4	42.5	42.2	42.6	41.9	42.8	42.2	41.7	42.0	42.8	42.0	42.6	42.5	43.2	43.9	<sup>a</sup> 44.6
Construction <sup>‡</sup> .....	do ..	37.8	37.9	38.4	39.1	37.8	37.3	36.5	36.2	37.4	37.9	37.7	38.0	39.9	39.0	38.6	<sup>a</sup> 39.2
Manufacturing:																	
Not seasonally adjusted .....	do ..	41.0	41.1	41.3	41.3	41.5	41.7	41.0	40.8	41.0	41.0	40.9	41.1	40.5	40.8	41.2	<sup>a</sup> 41.0
Seasonally adjusted .....	do ..																<sup>a</sup> 40.8
Overtime hours .....	do ..	3.7	3.9	3.9	4.0	3.9	3.9	3.9	3.9	4.0	3.9	3.8	3.8	3.9	3.8	3.8	<sup>a</sup> 3.8
Durable goods .....	do ..	41.5	41.8	41.9	41.9	41.9	41.7	41.8	41.8	41.7	41.9	41.5	41.5	41.6	41.6	41.4	<sup>a</sup> 41.4
Overtime hours .....	do ..	3.8	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1	4.1	3.9	3.9	3.9	3.9	3.9	<sup>a</sup> 3.8
Lumber and wood products .....	do ..	40.6	40.3	40.1	40.7	40.3	40.8	40.3	39.6	40.0	40.5	39.7	39.8	39.6	40.2	40.4	<sup>a</sup> 40.4
Furniture and fixtures .....	do ..	40.0	39.4	39.6	39.4	39.5	39.4	39.8	39.7	39.8	39.9	39.4	39.5	39.6	39.6	39.6	<sup>a</sup> 39.4
Stone, clay, and glass products .....	do ..	42.3	42.3	42.3	42.5	42.6	42.4	42.5	42.2	42.2	42.5	41.9	42.2	42.3	42.5	42.2	<sup>a</sup> 42.3
Primary metal industries .....	do ..	43.1	43.6	43.9	43.7	43.7	43.5	43.6	43.4	43.5	43.3	43.2	43.3	42.9	42.9	42.7	<sup>a</sup> 42.7
Fabricated metal products .....	do ..	41.6	41.9	42.0	41.9	42.1	41.8	41.9	41.9	41.8	41.9	41.7	41.5	41.5	41.7	41.7	<sup>a</sup> 41.7
Machinery, except electrical, electric and electronic equipment .....	do ..	42.2	42.6	42.7	42.7	42.5	42.5	42.5	42.6	42.5	42.7	42.5	42.5	42.4	42.2	42.3	<sup>a</sup> 42.0
Transportation equipment .....	do ..	40.9	41.0	40.9	41.0	41.0	40.8	40.9	40.9	40.6	41.0	40.7	40.7	40.6	40.9	41.1	<sup>a</sup> 41.0
Instruments and related products .....	do ..	42.0	42.7	43.0	43.1	43.1	42.8	42.8	43.1	43.1	42.8	42.5	42.5	42.6	42.7	42.8	<sup>a</sup> 41.5
Miscellaneous manufacturing .....	do ..	39.4	39.2	39.1	39.1	39.3	39.0	39.4	39.5	39.5	39.8	39.6	39.6	39.4	39.3	39.0	<sup>a</sup> 39.0
Nondurable goods .....	do ..	40.2	40.1	40.2	40.2	40.0	40.0	40.1	40.2	40.1	40.4	40.2	40.3	40.2	40.2	40.3	<sup>a</sup> 40.1
Overtime hours .....	do ..	3.6	3.7	3.7	3.6	3.6	3.6	3.6	3.7	3.8	3.8	3.7	3.6	3.6	3.7	3.7	<sup>a</sup> 3.7
Food and kindred products .....	do ..	40.2	40.3	40.3	40.4	40.6	40.2	40.1	40.3	40.4	40.7	40.5	40.7	41.0	40.8	41.1	<sup>a</sup> 40.8
Tobacco manufactures <sup>‡</sup> .....	do ..	39.0	39.8	41.2	41.3	40.3	39.9	38.0	37.8	38.3	38.3	39.5	40.1	37.9	37.3	40.1	<sup>a</sup> 40.9
Textile mill products .....	do ..	41.8	41.1	41.0	41.0	40.5	40.9	40.8	41.1	41.1	41.4	41.4	41.4	41.2	41.0	40.7	<sup>a</sup> 40.6
Apparel and other textile products .....	do ..	37.0	37.0	37.1	36.9	37.0	36.8	37.0	37.1	36.9	37.6	37.1	37.1	37.0	37.0	36.9	<sup>a</sup> 36.9
Paper and allied products .....	do ..	43.4	43.2	43.2	43.2	43.1	43.2	43.1	43.2	43.2	43.4	43.3	43.2	43.2	43.5	43.2	<sup>a</sup> 43.3
Printing and publishing .....	do ..	38.0	38.0	38.1	38.1	38.0	37.9	38.0	38.0	37.9	37.9	37.7	37.8	37.6	37.6	37.7	<sup>a</sup> 37.6
Chemicals and allied products .....	do ..	42.3	42.3	42.3	42.5	42.3	42.3	42.3	42.3	42.3	42.6	42.1	42.5	42.5	42.4	42.5	<sup>a</sup> 42.2
Petroleum and coal products <sup>‡</sup> .....	do ..	44.0	44.4	44.8	44.7	44.2	44.3	43.5	44.0	43.2	44.3	43.9	44.6	44.3	44.7	44.5	<sup>a</sup> 44.2
Rubber and plastics products .....	do ..	41.6	41.7	41.7	41.6	41.7	41.4	41.7	41.7	41.6	41.6	41.5	41.5	41.4	41.5	41.6	<sup>a</sup> 41.5
Leather and leather products .....	do ..	38.2	37.5	37.5	37.8	37.3	37.7	38.0	38.6	38.6	38.0	38.3	37.4	37.9	38.1	38.2	<sup>a</sup> 37.7
Transportation and public utilities .....	do ..	39.2	39.3	39.4	39.4	39.3	39.4	39.6	39.4	39.4	39.4	40.1	39.5	39.4	39.4	39.4	<sup>a</sup> 39.4
Wholesale trade .....	do ..	38.1	38.1	38.1	38.1	38.0	38.1	38.1	38.1	38.1	38.3	37.9	38.0	38.1	38.0	38.1	<sup>a</sup> 38.2
Retail trade .....	do ..	29.2	29.1	29.1	29.2	29.0	29.30	29.29	29.44	29.24	29.29	29.47	29.32	29.35	29.73	29.39	<sup>a</sup> 29.58
Finance, insurance, and real estate .....	do ..	36.3	35.9	35.8	36.0	35.7	35.8	36.1	35.8	35.8	36.3	35.6	35.8	36.3	35.8	35.8	<sup>a</sup> 36.2
Services .....	do ..	32.5	32.6	32.6	32.7	32.5	32.7	32.7	32.7	32.6	32.8	32.5	32.5	32.6	32.8	32.6	<sup>a</sup> 32.8
<b>AGGREGATE EMPLOYEE-HOURS S</b>																	
<b>Seasonally Adjusted</b>																	
Employee-hours, wage & salary workers in nonagric. establish., for 1 week in the month, seas adj. at annual rate .....	bil. hours ..	189.93	196.51	197.53	198.76	198.14	199.16										

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual						1988						1989					
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		

## LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

HOURLY AND WEEKLY EARNINGS \$		LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																
<i>Average hourly earnings per worker: ♦</i>																		
<i>Not seasonally adjusted:</i>																		
Private nonagric. payrolls.....	.....dollars..	8.98	9.29	9.40	9.45	9.46	9.46	9.54	9.55	9.56	9.62	9.59	9.58	9.63	9.61	9.77	\$9.83	
Mining.....	.....do....	12.54	12.75	12.82	12.79	12.89	13.03	13.20	13.22	13.15	13.19	13.13	13.03	12.95	13.11	13.17	\$13.14	
Construction.....	.....do....	12.71	13.01	13.16	13.17	13.08	13.19	13.26	13.21	13.26	13.30	13.28	13.24	13.33	13.47	\$13.51		
Manufacturing.....	.....do....	9.91	10.18	10.25	10.25	10.81	10.87	10.87	10.38	10.41	10.41	10.42	10.44	10.47	10.44	\$10.55		
Excluding overtime.....	.....do....	9.48	9.72	9.75	9.76	9.82	9.88	9.91	9.92	9.94	9.95	9.98	9.98	10.02	9.97	\$10.05		
Durable goods.....	.....do....	10.44	10.71	10.78	10.79	10.85	10.90	10.90	10.91	10.93	10.98	10.94	10.98	10.99	10.98	\$11.10		
Excluding overtime.....	.....do....	9.98	10.21	10.25	10.26	10.82	10.36	10.40	10.41	10.43	10.44	10.47	10.49	10.52	10.49	\$10.57		
Lumber and wood products.....	.....do....	8.40	8.61	8.69	8.77	8.69	8.76	8.71	8.69	8.68	8.76	8.79	8.85	8.92	8.89	\$8.97		
Furniture and fixtures.....	.....do....	7.67	7.94	8.09	8.06	8.02	8.06	8.10	8.08	8.13	8.12	8.16	8.23	8.26	8.29	\$8.40		
Stone, clay, and glass products.....	.....do....	10.25	10.47	10.55	10.57	10.60	10.57	10.59	10.62	10.62	10.71	10.69	10.73	10.75	\$10.77			
Primary metal industries.....	.....do....	11.94	12.15	12.24	12.19	12.22	12.26	12.27	12.27	12.27	12.26	12.25	12.32	12.40	\$12.36			
Fabricated metal products.....	.....do....	10.00	10.26	10.34	10.34	10.36	10.44	10.45	10.46	10.47	10.48	10.49	10.51	10.53	\$10.64			
Machinery, except electrical.....	.....do....	10.72	11.01	11.09	11.11	11.22	11.24	11.21	11.23	11.25	11.26	11.29	11.32	\$11.32				
Electric and electronic equip.....	.....do....	9.88	10.13	10.19	10.16	10.24	10.29	10.27	10.26	10.30	10.31	10.33	10.37	10.41	\$10.40			
Transportation equipment.....	.....do....	12.94	13.31	13.44	13.45	13.56	13.59	13.58	13.59	13.65	13.60	13.58	13.65	13.61	\$13.89			
Instruments and related products.....	.....do....	9.72	9.98	9.99	10.08	10.07	10.13	10.12	10.14	10.17	10.17	10.17	10.25	10.31	\$10.31			
Miscellaneous manufacturing.....	.....do....	7.76	8.01	8.01	8.10	8.12	8.20	8.22	8.23	8.23	8.21	8.24	8.24	8.29	\$8.20			
Nondurable goods.....	.....do....	9.18	9.43	9.50	9.49	9.54	9.61	9.62	9.66	9.65	9.68	9.70	9.77	9.71	9.80			
Excluding overtime.....	.....do....	8.78	9.02	9.05	9.05	9.11	9.18	9.22	9.22	9.24	9.25	9.28	9.34	9.27	\$9.32			
Food and kindred products.....	.....do....	8.98	9.10	9.11	9.08	9.15	9.25	9.27	9.26	9.33	9.34	9.37	9.35	9.28	\$9.31			
Tobacco manufactures.....	.....do....	14.07	14.68	14.09	14.01	14.56	14.31	14.39	14.75	15.34	16.13	16.48	16.34	\$15.72				
Textile mill products.....	.....do....	7.17	7.37	7.43	7.45	7.47	7.52	7.60	7.59	7.59	7.60	7.65	7.66	7.76				
Apparel and other textile products.....	.....do....	5.94	6.12	6.21	6.22	6.25	6.29	6.82	6.82	6.84	6.82	6.88	6.82	6.82				
Paper and allied products.....	.....do....	11.43	11.65	11.72	11.68	11.74	11.81	11.78	11.80	11.84	11.88	11.89	11.91	12.04	\$11.90			
Printing and publishing.....	.....do....	10.28	10.52	10.70	10.68	10.67	10.70	10.73	10.74	10.79	10.73	10.76	10.75	10.88	\$11.05			
Chemicals and allied products.....	.....do....	12.37	12.67	12.75	12.78	12.86	12.90	12.85	12.88	12.91	12.92	12.98	13.12	13.08	\$13.18			
Petroleum and coal products.....	.....do....	14.58	14.98	15.01	15.14	15.18	15.21	15.24	15.45	15.46	15.50	15.34	15.23					
Rubber and plastics products, nec.....	.....do....	8.92	9.14	9.22	9.23	9.26	9.31	9.32	9.31	9.33	9.35	9.40	9.41	9.45	9.44			
Leather and leather products.....	.....do....	6.08	6.27	6.30	6.33	6.41	6.44	6.48	6.49	6.54	6.58	6.59	6.54	6.60				
Transportation and public utilities.....	.....do....	12.03	12.32	12.40	12.42	12.46	12.42	12.47	12.50	12.46	12.51	12.49	12.48	12.58				
Wholesale trade.....	.....do....	9.60	9.94	10.04	10.10	10.07	10.14	10.23	10.23	10.21	10.36	10.28	10.31	10.40				
Retail trade.....	.....do....	6.12	6.31	6.38	6.38	6.40	6.43	6.44	6.47	6.48	6.51	6.49	6.49	6.50				
Finance, insurance, and real estate.....	.....do....	8.73	9.09	9.14	9.29	9.27	9.32	9.46	9.47	9.43	9.59	9.48	9.58	9.57				
Services.....	.....do....	8.49	8.91	9.00	9.07	9.05	9.10	9.15	9.19	9.24	9.32	9.33	9.34	9.46	9.43	\$9.49		
<i>Seasonally adjusted:</i>																		
Private nonagricultural payrolls.....	.....dollars..	8.98	9.29	9.37	9.43	9.42	9.45	9.49	9.52	9.54	9.61	9.60	9.62	9.69	9.74	\$9.81		
Mining.....	.....do....	12.54	12.75	(1)—	(1)—	(1)—	(1)—	(1)—	(1)—	(1)—	(1)—	(1)—	(1)—					
Construction.....	.....do....	12.71	13.01	13.07	13.08	13.10	13.15	13.18	13.22	13.26	13.33	13.32	13.42	13.37	\$13.38			
Manufacturing.....	.....do....	9.91	10.18	10.25	10.29	10.30	10.31	10.33	10.37	10.40	10.40	10.42	10.45	10.48	10.52			
Transportation and public utilities.....	.....do....	12.03	12.32	12.37	12.41	12.39	12.36	12.45	12.48	12.50	12.52	12.54	12.61	12.57	\$12.66			
Wholesale trade.....	.....do....	9.60	9.94	10.03	10.14	10.06	10.11	10.19	10.18	10.21	10.36	10.28	10.33	10.44	\$10.46			
Retail trade.....	.....do....	6.12	6.31	6.38	6.38	6.40	6.43	6.44	6.47	6.48	6.51	6.52	6.54	6.57	\$6.62			
Finance, insurance, and real estate.....	.....do....	8.73	9.09	9.18	9.35	9.26	9.35	9.40	9.36	9.54	9.45	9.58	9.68	9.57	\$9.66			
Services.....	.....do....	8.49	8.91	9.00	9.07	9.05	9.10	9.15	9.19	9.24	9.32	9.33	9.34	9.46	9.43	\$9.49		
Indexes of avg. hourly earnings, seas. adj.: ♦																		
Private nonfarm economy:																		
Current dollars.....	....1977=100 ..	173.5	179.0	180.3	181.5	181.4	181.7	(2)—										
1977 dollars †.....	....do....	94.0	93.3	98.1	92.9	92.7												
Mining #.....	....do....	182.2	185.5	186.6	187.1	187.3												
Construction.....	....do....	154.9	158.3	159.3	159.2	159.8												
Manufacturing.....	....do....	174.9	178.8	180.0	180.5	180.7												
Transportation and public utilities.....	....do....	176.1	181.1	182.0	183.1	182.9												
Wholesale trade #.....	....do....	177.1	182.7	184.5	186.0	185.1												
Retail trade #.....	....do....	160.9	165.9	167.1	168.4	168.9												
Finance, insurance, and real estate #.....	....do....	187.5	195.7	197.0	200.2	199.5												
Services.....	....do....	181.1	189.8	191.9	194.0	193.3												
Hourly wages, not seasonally adjusted:																		
Construction wages, 20 cities (ENR): \$§																		
Common labor.....	....\$ per hr ..	16.86	17.33	17.42	17.55	17.60	17.62	17.63	17.64	17.64	17.64	17.64	17.74	17.74	17.74	17.93		
Skilled labor.....	....do....	22.12	22.67	22.80	22.89	22.94	22.99	22.99	23.02	23.05	23.05	23.05	23.12	23.12	23.15	23.57		
Railroad wages (average, class D).....	....do....	14.25	15.00	15.03	14.91	15.11	15.28	15.30	15.59	15.25	15.25	15.35	15.45	\$16.07				
Avg. weekly earnings per worker, private nonfarm: ♦																		
Current dollars, seasonally adjusted.....	....do....	312.50	322.36	325.14	328.16	326.87	327.92	330.25	329.89	331.04	335.39	332.16	332.85	337.21	335.27			

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																	
WORK STOPPAGES																	
Work stoppages involving 1,000 or more workers:																	
Number of stoppages:																	
Beginning in month or year .....	number .....	46	40	2	3	1	0	3	0	2	4	7	0	8	7	6	4
Workers involved in stoppages:																	
Beginning in month or year .....	thous. ....	174	118	4	9	2	0	7	0	30	7	55	0	145	204	14	60
Days idle during month or year .....	do .....	4,456	4,364	510	293	78	52	153	138	950	1,064	1,227	938	1,364	3,717	1,909	3,098
UNEMPLOYMENT INSURANCE *																	
State programs:																	
Initial claims.....thous .....	16,795	15,919	1,081	1,107	1,277	1,633	1,949	1,319	1,363	1,109	1,209	1,311	1,556	1,265	1,081	.....	.....
Average weekly insured unemployment .....	do .....	2,265	2,048	1,655	1,602	1,686	1,824	2,647	2,618	2,520	2,246	1,968	1,855	2,055	2,051	1,774	.....
Rate of insured unemployment @ .....	percent .....	2.4	2.1	1.7	1.6	1.8	2.1	2.6	2.6	2.5	2.1	1.9	1.9	2.1	.....	.....	.....
Total benefits paid.....mil. \$ .....	14,175	13,070	876	784	943	1,085	1,411	1,252	1,529	1,141	1,127	1,204	976	1,104	884	.....	.....
Weeks of unemployment compensated .....	thous. ....	103,895	92,919	6,313	5,710	6,748	7,688	9,875	8,722	10,474	7,882	7,727	6,614	6,794	8,391	6,068	.....
Average weekly benefit.....dollars .....	146.23	145.86	143.84	144.26	136.07	147.19	148.36	148.28	151.06	149.88	179.30	162.81	148.61	148.00	150.59	.....	.....
Federal civilian employees unemployment insurance (UCFE):																	
Initial claims.....thous .....	117.8	121.4	8.9	10.9	9.5	9.5	12.2	8.0	7.9	8.1	8.9	10.7	12.4	9.0	7.8	.....	.....
Average weekly insured unemployment .....	do .....	21.2	22.3	21.6	22.8	23.8	22.5	27.4	25.8	22.9	20.0	18.0	18.3	21.5	23.5	20.6	.....
Total benefits paid.....mil. \$ .....	131.7	143.1	11.3	11.5	13.4	13.1	15.2	13.3	14.4	10.4	10.3	9.7	10.1	12.5	9.9	.....	.....
Weeks of unemployment compensated .....	thous. ....	1,002.1	1,043.6	84.9	86.1	97.8	95.2	106.9	91.1	98.1	72.0	71.6	69.0	72.1	91.3	73.7	.....
Average weekly benefit.....dollars .....	131.43	137.09	133.07	133.96	137.35	137.94	142.19	145.54	147.02	144.22	144.33	140.33	140.49	136.30	133.94	.....	.....
Veterans unemployment insurance (UCX):																	
Initial claims.....thous .....	140.0	141.7	8.3	8.5	9.4	9.9	11.3	9.1	10.8	9.0	9.2	8.8	9.1	10.1	8.9	.....	.....
Average weekly insured unemployment .....	do .....	17.8	18.1	14.3	12.5	12.3	12.8	16.7	16.5	15.6	15.0	14.3	14.0	14.1	14.8	13.8	.....
Total benefits paid.....mil. \$ .....	121.0	123.1	8.3	6.7	7.0	7.5	9.4	8.3	9.6	7.9	8.8	7.8	7.4	8.4	7.1	.....	.....
Weeks of unemployment compensated .....	thous. ....	794.9	787.6	53.2	42.8	44.1	47.6	59.2	52.2	60.4	49.4	54.0	48.4	45.2	51.6	43.3	.....
Average weekly benefit.....dollars .....	152.26	156.27	155.64	156.88	159.26	158.32	159.05	158.44	158.66	159.00	162.38	161.80	163.53	163.29	164.27	.....	.....
FINANCE																	
BANKING																	
Open market paper outstanding, end of period:																	
Bankers' acceptances.....mil. \$ .....	70,565	71,66,631	63,452	62,253	65,961	66,631	62,212	62,933	62,458	64,357	62,396	64,115	65,588	65,764	64,042	.....	.....
Commercial and financial company paper, total .....	do .....	237,586	451,762	425,104	429,549	442,396	451,762	468,690	487,007	486,783	498,606	501,589	504,371	508,095	513,786	511,565	.....
Financial companies .....	do .....	287,274	354,127	332,630	332,513	344,544	354,127	362,469	377,749	377,094	378,647	380,375	381,029	388,935	385,675	.....	.....
Dealer placed .....	do .....	211,034	161,535	151,039	147,759	151,581	161,535	163,718	174,807	173,464	172,577	170,122	170,174	175,978	180,822	178,358	.....
Directly placed .....	do .....	172,240	192,592	181,591	184,754	192,963	192,592	198,751	202,942	203,630	207,070	208,266	210,201	205,051	208,113	207,317	.....
Nonfinancial companies .....	do .....	86,312	97,635	92,474	97,036	97,852	97,635	106,258	109,258	109,689	118,959	123,201	123,996	122,066	124,851	125,890	.....
Loans of the Farm Credit System: **																	
Total, end of period .....	mil. \$ .....	52,498	51,428	52,588	52,588	52,588	52,588	51,428	51,428	50,744	50,744	50,390	50,390	50,390	50,390	50,390	.....
Long-term real estate loans .....	do .....	34,346	32,182	33,088	33,088	33,088	33,088	32,182	32,182	31,051	31,051	30,624	30,624	30,624	30,624	30,624	.....
Short-term and intermediate-term loans .....	do .....	9,927	9,256	9,811	9,811	9,811	9,811	9,256	9,256	9,286	9,286	9,980	9,980	9,980	9,980	9,980	.....
Loans to cooperatives .....	do .....	8,225	9,990	9,784	9,784	9,784	9,784	9,990	9,990	10,408	10,408	9,787	9,787	9,787	9,787	9,787	.....
Federal Reserve banks, condition, end of period:																	
Assets, total # .....	mil. \$ .....	275,566	293,674	285,185	279,831	285,638	293,674	286,771	284,582	281,635	303,807	286,551	295,816	283,237	282,515	290,607	293,439
Reserve bank credit outstanding, total # .....	do .....	236,046	250,945	243,607	238,370	243,803	250,945	241,413	230,795	238,435	257,498	234,286	239,059	226,230	225,192	228,704	226,441
Loans .....	do .....	3,815	2,170	2,154	2,275	2,328	2,170	363	1,602	2,454	1,952	2,033	841	594	541	598	270
U.S. Government securities .....	do .....	222,551	238,422	229,181	225,638	232,702	238,422	232,933	229,499	225,643	232,150	223,535	221,767	218,876	217,409	221,051	218,176
Gold certificate account .....	do .....	11,078	11,060	11,062	11,062	11,069	11,060	11,056	11,061	11,061	11,060	11,063	11,063	11,066	11,066	11,065	11,062
Liabilities, total # .....	do .....	275,566	293,674	285,185	279,831	285,638	293,674	286,771	284,582	281,635	303,807	286,551	295,816	283,237	282,515	290,607	293,439
Deposits, total # .....	do .....	48,368	48,898	52,757	46,547	45,859	48,898	48,245	44,126	42,587	61,753	39,794	50,038	40,258	39,114	46,348	46,018
Deposits, total # .....	do .....	41,784	39,347	39,088	39,741	40,012	39,347	35,810	36,985	37,394	37,968	33,553	37,381	34,339	31,924	32,253	32,351
Federal Reserve notes in circulation .....	do .....	212,890	229,640	217,676	219,232	224,535	229,640	221,619	222,769	224,857	225,336	229,372	230,848	230,229	230,766	229,076	230,467
All member banks of Federal Reserve System, averages of daily figures:																	
Reserves held, total .....	mil. \$ .....	62,123	63,739	62,158	61,915	62,407	63,739	63,468	60,693	60,212	61,288	58,911	59,587	60,254	59,559	60,126	60,405
Required .....	do .....	61,094	62,699	61,181	60,853	61,287	62,699	62,323	59,589	59,255	60,511	57,881	58,288	58,674	59,188	59,384	59,188
Excess .....	do .....	1,029	1,040	972	1,062	1,119	1,040	1,145	1,154	957	776	1,031	905	966	885	938	1,020
Borrowings from Federal Reserve banks .....	do .....	777	1,716	2,839	2,299	2,861	1,716	1,662	1,487	1,813	2,289	1,720	1,490	694	675	693	555
Free reserves † .....	do .....	775	2,663	192	544	580	568	529	717	478	194	508	332	378	251	267	486
Large commercial banks reporting to Federal Reserve System, last Wed. of mo.: ‡																	
Deposits:																	
Demand, total # .....	mil. \$ .....	247,354	247,112	221,474	215,524	240,572	247,112	219,279	228,985	217,185	220,021	244,114	219,187	215,981	215,034	222,501</	

Unless otherwise stated in footnotes below, data through 1988 and methodological notes as shown in Business Statistics: 1988	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>FINANCE—Continued</b>																	
<b>BANKING—Continued</b>																	
Commercial bank credit, seas. adj.: \$																	
Total loans and securities ↓.....bil. \$..	2,239.6	2,417.2	2,381.5	2,401.4	2,410.2	2,417.2	2,422.8	2,451.9	2,464.9	2,470.9	2,486.3	2,496.8	2,518.1	2,534.4	2,544.1	2,575.5	
U.S. Government securities.....do....	335.5	361.4	353.1	356.8	361.4	360.4	361.4	370.7	373.5	374.4	376.6	378.8	391.7				
Other securities.....do....	195.3	194.0	195.2	196.8	195.9	194.0	189.6	189.7	187.2	186.4	185.8	184.6	182.8	182.9	182.7		
Total loans and leases ↓.....do....	1,708.8	1,861.9	1,833.2	1,848.9	1,855.6	1,861.9	1,872.9	1,899.7	1,906.5	1,913.1	1,926.5	1,937.3	1,959.1	1,974.9	1,982.4	2,001.1	
Money and interest rates:																	
Prime rate charged by banks on short-term business loans.....percent.	8.22	9.32	10.00	10.00	10.05	10.50	10.50	10.93	11.50	11.50	11.50	11.07	10.98	10.50	10.50	10.50	
Discount rate (New York Federal Reserve Bank) @@.....do....	5.66	6.20	6.50	6.50	6.50	6.50	6.50	6.59	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	
Federal intermediate credit bank loans.....do....	8.54	(8)															
Home mortgage rates (conventional 1st mortgages):																	
New home purchase (U.S. avg.).....percent.	28.94	28.88	8.90	8.77	9.05	9.04	9.20	9.46	9.63	9.88	9.82	10.09	10.06	9.83	9.87	9.77	
Existing home purchase (U.S. avg.).....do....	28.94	29.01	8.98	9.11	9.16	9.31	9.44	9.62	9.76	10.13	10.27	10.10	9.81	9.82	9.86		
Open market rates, New York City:																	
Bankers' acceptances, 3-month .....	6.75	7.56	8.06	8.15	8.55	8.96	8.93	9.27	9.83	9.63	9.35	8.97	8.54	8.47	8.59	8.42	
Commercial paper, 6-month .....	6.85	7.68	8.23	8.24	8.55	8.97	9.02	9.35	9.97	9.78	9.29	8.80	8.35	8.32	8.50	8.24	
Finance co. paper placed di- rectly, 6-mo.....do....	6.37	7.14	7.71	7.80	7.94	8.24	8.44	8.65	9.17	9.29	8.97	8.22	7.80	7.49	7.56	7.50	
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue)..percent.	5.820	6.690	7.230	7.340	7.680	8.090	8.290	8.480	8.830	8.700	8.400	8.220	7.920	7.910	7.720	7.590	
<b>CONSUMER INSTALLMENT CREDIT †</b>																	
Not seasonally adjusted																	
Total outstanding (end of period) #.....mil. \$..	618,191	671,362	651,759	658,059	659,193	671,362	684,674	682,274	682,154	687,288	692,263	697,270	699,019	706,098	708,847		
By major holder:																	
Commercial banks.....do....	287,154	323,931	312,195	312,945	317,589	323,931	318,287	316,898	314,743	318,603	321,053	323,107	323,368	326,997	329,615		
Finance companies.....do....	141,120	146,212	146,258	146,490	146,039	146,212	141,194	141,292	140,207	141,730	143,265	144,882	145,424	145,990	147,207		
Credit unions.....do....	81,007	87,110	85,908	86,463	86,823	87,110	86,980	86,865	87,346	88,222	88,874	89,488	89,672	90,727	91,128		
Retailers.....do....	45,080	47,363	41,296	41,723	43,042	47,863	42,804	41,071	40,762	40,591	40,829	40,962	40,787	41,180	41,171		
Savings institutions.....do....	60,226	62,572	62,291	61,712	62,091	62,572	62,792	62,674	62,007	61,808	61,648	60,178	60,134	59,679	58,700		
Seasonally adjusted																	
Total outstanding (end of period) #.....do....		646,556	649,132	654,413	659,507	682,020	687,397	691,162	693,911	698,132	700,849	700,344	708,001	703,607			
By major holder:																	
Commercial banks.....do....	310,182	312,588	316,683	318,925	316,797	318,423	318,242	320,458	323,363	324,438	323,621	326,135	327,399				
Finance companies.....do....	143,019	143,012	143,488	145,180	141,795	143,419	143,070	144,378	145,523	146,055	145,488	144,386	144,188				
Credit unions.....do....	84,900	85,338	85,740	86,118	87,098	87,813	88,514	89,380	89,090	90,073	89,852	90,016	90,039				
Retailers.....do....	42,349	42,614	42,910	43,498	40,986	41,052	41,300	41,322	41,649	41,798	41,989	42,221					
Savings institutions.....do....	62,502	61,926	61,922	62,099	62,867	63,109	62,735	61,919	61,311	59,920	60,092	59,229	58,900				
By major credit type:																	
Automobile.....do....	279,243	278,902	279,926	281,174	286,382	288,767	288,850	289,654	290,741	290,192	288,526	288,533	287,691				
Revolving.....do....	168,273	170,131	173,030	174,792	176,716	178,570	182,831	184,500	186,502	189,622	191,028	194,398	195,153				
Mobile home.....do....	26,185	26,033	26,005	25,744	26,036	25,992	24,168	23,993	23,952	23,685	23,630	22,938	22,846				
Total net change (during period) #.....do....		1,890	2,576	5,281	5,094	22,513	5,376	3,765	2,749	4,221	2,717	-505	2,657	606			
By major holder:																	
Commercial banks.....do....		2,777	2,456	4,095	2,242	-2,127	1,626	-181	2,216	2,905	1,075	-817	2,514	1,264			
do....		-973	-7	476	1,692	-3,385	1,624	-349	1,308	1,145	532	-567	-1,102	-198			
Finance companies.....do....		253	438	402	378	975	720	701	816	560	183	-221	164	28			
Credit unions.....do....		228	265	296	588	-2,513	67	247	1	22	326	149	191	232			
Retailers.....do....		-341	-576	-4	177	768	242	-375	-816	-608	-1,391	172	-863	-329			
By major credit type:																	
Automobile.....do....		-342	-341	1,024	1,248	5,208	2,385	82	804	1,087	-549	-1,667	77	-842			
do....		1,148	1,858	2,899	1,762	1,924	1,854	4,261	1,670	2,002	3,120	1,406	3,370	756			
Revolving.....do....		-92	-152	-28	-261	293	-44	-1,824	-174	-41	-267	-56	-692	-91			
Mobile home.....do....																	
<b>FEDERAL GOVERNMENT FINANCE</b>																	
Budget receipts and outlays:																	
Receipts (net).....mil. \$..	1,854,143	1,908,166	97,742	63,582	64,320	98,729	89,306	61,897	68,205	128,892	71,025	108,249	66,191	76,161	99,233	68,426	
Outlays (net).....do....	1,003,804	1,063,818	87,569	90,590	93,454	105,171	86,500	89,769	103,984	88,320	96,491	100,460	84,430	98,310	105,299	94,515	
Budget surplus or deficit (-).....do....	149,661	155,151	10,173	-27,009	-29,134	-11,442	2,806	-27,871	-35,779	40,572	-25,466	7,789	-18,239	-22,150	-6,066	-26,089	
Budget financing, total.....do....	149,661	155,151	-10,173	27,009	29,134	11,442	-2,806	27,871	35,779	-40,572	25,466	-7,789	-18,239	-22,150	7,066	26,089	
Borrowing from the public.....do....	151,717	166,139	14,706	10,285	31,636	11,910	7,359	17,190	18,405	1,291	20,214	1,098	3,962	35,854	6,672	36,690	
Reduction in cash balances.....do....	-2,056	-10,988	-24,879	16,724	-2,502	-468	-10,165	10,681	22,374	-39,281	15,252	-8,887	22,201	-13,704	-606	-10,601	
Gross amount of debt outstanding.....do....	2,355,206	2,614,581	2,614,581	2,636,657	2,672,211	2,707,284	2,720,742	2,745,577	2,763,562	2,779,291	2,800,128	2,823,955	2,824,487	2,860,454	2,881,112	2,924,765	
Held by the public.....do....	1,897,161	2,063,900	2,063,900	2,074,217	2,105,852	2,117,766	2,125,125	2,142,815	2,155,684	2,154,393	2,164,607	2,165,705	2,161,743	2,197,597	2,204,270	2,240,959	
Budget receipts by source and outlays by agency:																	
Receipts (net), total.....mil. \$..	1,854,143	1,908,166	97,742	63,582	64,320	98,729	89,306	61,897	68,205	128,892	71,0						

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
FINANCE—Continued																
<b>MONETARY STATISTICS</b>																
Currency in circulation (end of period).....bil. \$..	230.2	247.7	235.5				247.7			242.9			249.2			
Money stock measures and components (averages of daily figures): <sup>†</sup>																
Measured (not seasonally adjusted):																
M1 .....bil. \$..	744.2	776.0	781.0	782.1	788.3	804.4	793.0	772.3	775.1	791.3	767.1	773.8	781.7	777.5	778.4	784.3
M2 .....do .....	2,663.2	3,095.4	3,028.5	3,088.5	3,058.0	3,077.3	3,076.1	3,056.9	3,071.9	3,092.4	3,062.8	3,090.9	3,125.2	3,137.0	3,148.6	3,172.0
M3 .....do .....	3,519.1	3,819.0	3,859.1	3,875.6	3,903.2	3,925.2	3,927.7	3,917.4	3,945.5	3,964.3	3,944.7	3,974.1	4,004.1	4,010.0	4,007.8	4,021.0
L (M3 plus other liquid assets)....do .....	4,248.8	4,528.6	4,583.4	4,605.2	4,643.1	4,685.6	4,692.8	4,686.3	4,721.0	4,751.8	4,734.6	4,759.8	4,784.2	4,807.0	4,821.4	
Components (not seasonally adjusted):																
Currency .....do .....	188.8	205.3	208.0	209.0	211.3	214.9	211.8	211.9	213.9	215.1	216.6	218.5	219.7	219.8	218.6	219.0
Demand deposits .....do .....	294.3	289.0	287.4	288.7	290.0	298.8	290.5	275.7	275.8	283.2	273.3	276.4	281.5	276.7	275.9	280.3
Other checkable deposits <sup>‡</sup> ....do .....	254.3	274.4	277.8	276.9	279.9	283.7	277.6	278.3	286.0	270.1	271.4	272.4	273.3	276.2	277.7	
Overnight RP's and Eurodol- lars <sup>◊</sup> .....do .....	79.3	78.1	77.3	76.1	75.7	78.5	81.8	79.0	77.4	74.5	73.5	76.0	77.6	74.9	72.2	73.4
General purpose and broker/dealer money market funds .....do .....	213.8	232.2	231.0	231.3	237.4	239.4	241.7	247.2	255.5	259.3	259.0	265.1	274.6	285.5	294.8	301.5
Money market deposit accounts .....do .....	552.2	517.5	511.4	507.5	506.7	502.7	495.2	485.3	480.3	471.3	457.0	456.9	459.8	465.4	469.1	473.2
Savings deposits .....do .....	408.1	426.4	430.9	430.9	430.4	425.9	422.8	418.7	418.4	414.0	407.3	406.6	407.5	405.1	404.8	407.3
Small time deposits @ .....do .....	865.7	979.2	996.9	1,010.6	1,019.5	1,026.5	1,041.6	1,054.4	1,065.1	1,082.0	1,098.9	1,112.4	1,124.1	1,128.5	1,129.4	1,132.2
Large time deposits @ .....do .....	461.8	512.5	529.1	535.4	537.3	539.6	545.3	552.4	560.2	564.1	569.8	569.7	568.2	569.0	565.6	563.2
Measures (seasonally adjusted):																
M1 .....do .....			783.7	755.4	786.6	790.3	786.3	787.4	786.3	783.1	773.8	770.3	777.1	777.4	781.1	787.6
M2 .....do .....			3,035.1	3,023.3	3,059.5	3,069.6	3,065.3	3,069.4	3,073.5	3,080.8	3,072.3	3,088.0	3,117.4	3,135.9	3,155.3	3,176.1
M3 .....do .....			3,861.0	3,877.9	3,898.1	3,915.4	3,920.2	3,929.4	3,950.8	3,958.8	3,954.8	3,978.5	4,002.4	4,008.4	4,009.8	4,023.5
L (M3 plus other liquid assets)....do .....			4,388.2	4,609.2	4,685.5	4,672.2	4,676.2	4,689.4	4,724.4	4,750.1	4,746.1	4,759.0	4,793.8	4,812.2	4,826.6	
Components (seasonally adjusted):																
Currency .....do .....			206.6	209.7	210.5	211.8	213.4	214.3	215.6	215.9	216.4	217.4	218.4	219.3	219.7	
Demand deposits .....do .....			288.8	288.9	287.7	288.6	284.0	284.3	281.4	282.8	275.0	275.5	278.8	277.3	280.4	
Other checkable deposits <sup>‡</sup> ....do .....			279.0	279.4	281.0	282.3	281.3	280.9	279.1	278.5	271.4	270.7	273.2	274.4	277.3	280.3
Savings deposits .....do .....			430.5	429.2	431.8	431.3	427.8	424.6	420.8	412.8	404.7	402.0	401.5	402.3	404.2	405.7
Small time deposits @ .....do .....			998.7	1,009.7	1,017.8	1,025.2	1,035.7	1,048.3	1,061.0	1,083.1	1,105.8	1,118.5	1,126.3	1,131.5	1,131.8	1,134.1
Large time deposits @ .....do .....			526.7	532.0	534.4	537.8	544.4	551.6	558.8	567.7	572.1	573.0	573.0	569.1	563.1	559.7
PROFITS AND DIVIDENDS (QTRLY.)																
Manufacturing corps. (Bureau of the Census):																
Net profit after taxes, all manu- facturing .....mil. \$..	115,599	154,830	88,616				37,547			38,362			36,556			
Food and kindred products .....do .....	15,627	20,671	5,400				4,751			3,668			4,016			
Textile mill products .....do .....	1,891	1,560	310				377						499			
Paper and allied products .....do .....	5,520	8,081	2,227				1,911			1,979			2,022			
Chemicals and allied products .....do .....	16,559	23,674	5,504				5,573			6,882			6,809			
Petroleum and coal products .....do .....	10,900	21,409	5,987				6,147			5,717			3,818			
Stone, clay, and glass products .....	2,911	2,453	804				556			—			779			
Primary nonferrous metal .....do .....	1,077	4,256	1,104				1,116			1,254			1,219			
Primary iron and steel .....do .....	1,356	993	—693				515			476			450			
Fabricated metal products .....do .....	4,427	5,335	1,382				642			2,116			1,648			
Machinery (except electrical) .....do .....	10,203	12,817	3,992				3,632			2,666			2,393			
Electrical and electronic equipment .....do .....	9,570	11,143	2,932				2,762			2,396			2,518			
Transportation equipment (except motor vehicles and equipment) .....mil. \$..	4,677	5,019	1,566				1,022			1,338			1,343			
Motor vehicles and equipment .....do .....	10,647	12,474	2,069				3,272			3,867			3,469			
All other manufacturing in- dustries .....do .....	20,234	23,945	6,082				5,271			5,644			5,573			
Dividends paid (cash), all manu- facturing .....do .....	49,512	57,075	14,525				16,526			16,521			17,454			
SECURITIES ISSUED																
Securities and Exchange Commission:																
Estimated gross proceeds, total .....mil. \$..	275,418	228,387	15,728	12,991	16,436	10,421	(*)—									
By type of security:																
Bonds and notes, corporate .....do .....	191,339	172,499	11,443	9,355	12,891	7,627	(*)—									
Common stock .....do .....	65,835	45,485	3,795	2,886	3,008	2,088	(*)—									
Preferred stock .....do .....	11,735	6,506	291	575	527	475	(*)—									
By type of issuer:																
Corporate, total # .....mil. \$..	265,909	224,490	15,529	12,816	16,426	10,221	(*)—									
Manufacturing .....do .....	46,172	83,327	3,917	2,888	3,136	1,066	(*)—									
Extractive .....do .....	8,229	4,742	125	30	244	1	(*)—									
Public utility .....do .....	19,943	12,793	824	1,683	478	185	(*)—									
Transportation .....do .....	6,698	3,078	88	258	64	0	(*)—									
Communication .....do .....	7,326	4,031	457	132	298	59	(*)—									
Financial and real estate .....do .....	151,049	147,030	8,923	7,785	9,454	8,454	(*)—									
State and municipal issues (Bond Buyer): \$																
Long-term .....do .....	105,523	117,011	10,743	11,200	9,036	11,496	7,178	8,545	9,669	8,888	8,147	14,648	9,585	10,393	10,887	8,837
Short-term .....do .....	20,271	22,602	675	1,109	1,765	1,419	1,395	1,340	1,520	5,014	5,944	4,561	1,793	5,398	7,1363	1,133
SECURITY MARKETS																
Stock Market Customer Financing																
Margin credit at broker-dealers, end of year or month .....mil. \$..	31,990	32,740	32,770	33,410	33,640	32,740	32,530	31,480	32,130	32,610	33,140	34,730	34,360	33,940	35,020	35,110
Free credit balances at brokers, end of year or month:																

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988					1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
FINANCE—Continued																		
Bonds—Continued																		
Yields:																		
Domestic corporate (Moody's).....percent..		9.91	10.18	10.28	9.90	9.91	10.03	10.05	10.05	10.18	10.14	9.95	9.50	9.34	9.36	9.41	9.34	
By rating:																		
Aaa.....do .....		9.88	9.71	9.82	9.51	9.45	9.57	9.62	9.64	9.80	9.79	9.57	9.10	8.93	8.96	9.01	8.92	
Aa.....do .....		9.68	9.94	10.06	9.71	9.72	9.81	9.83	9.98	9.94	9.75	9.29	9.14	9.23	9.19			
A.....do .....		9.99	10.24	10.34	9.99	9.99	10.11	10.10	10.13	10.26	10.20	10.00	9.59	9.42	9.45	9.51	9.44	
Baa.....do .....		10.58	10.83	10.90	10.41	10.48	10.65	10.65	10.61	10.67	10.61	10.46	10.03	9.87	9.88	9.91	9.81	
By group:																		
Industrial.....do .....		9.83	9.91	10.00	9.88	9.98	10.04	10.08	10.08	10.19	10.13	9.97	9.51	9.34	9.35	9.39	9.31	
Public utilities.....do .....		9.98	10.45	10.56	9.92	9.89	10.02	10.02	10.02	10.16	10.14	9.92	9.49	9.34	9.37	9.43	9.37	
Railroads.....do .....		9.63	10.03	10.12	10.08	10.00	10.06	10.04	10.05	10.19	10.27	10.31	10.17	10.05				
Domestic municipal:																		
Bond Buyer (20 bonds).....do .....		7.69	7.66	7.64	7.33	7.66	7.50	7.29	7.56	7.64	7.40	7.15	7.02	6.86	7.16	7.40	7.24	
Standard & Poor's Corp. (15 bonds).....do .....		7.73	7.74	7.71	7.54	7.58	7.66	7.41	7.47	7.61	7.49	7.25	6.97	6.97	7.08	7.27	7.22	
U.S. Treasury bonds, taxable †.....do .....		8.64	8.98	9.06	8.89	9.07	9.13	9.07	9.16	9.33	9.18	8.95	8.40	8.19	8.26	8.31	8.15	
Stocks																		
Prices:																		
Dow Jones averages (65 stocks).....		849.46	772.17	780.41	808.29	796.20	817.30	851.45	880.52	866.99	897.32	932.47	955.80	990.60	1,065.83	1,078.40	1,049.44	
Industrial (30 stocks).....		2,275.99	2,060.82	2,080.06	2,144.31	2,099.04	2,148.58	2,234.68	2,304.30	2,288.11	2,348.91	2,429.65	2,494.90	2,554.03	2,691.11	2,693.41	2,692.01	
Public utility (15 stocks).....		201.70	179.74	179.85	185.01	184.12	188.15	186.64	182.81	187.98	196.29	206.72	215.52	218.08	215.95	216.64		
Transportation (20 stocks).....		929.19	863.88	879.45	923.12	916.21	955.39	1,009.31	1,073.18	1,046.32	1,098.04	1,139.83	1,158.90	1,223.05	1,407.13	1,462.67	1,342.02	
Standard & Poor's Corporation: §																		
Combined index (500 Stocks).....1941-43=10.....		286.83	265.79	267.97	277.40	271.02	276.51	285.41	294.01	292.71	302.25	313.93	323.73	331.93	346.61	347.33	347.40	
Industrial, total (400 Stocks) #.....do .....		330.90	306.68	307.40	319.05	311.84	319.07	330.17	339.70	337.74	348.47	360.88	370.36	379.45	396.63	397.08	396.34	
Capital goods.....do .....		288.23	252.88	247.60	258.19	247.36	253.87	262.80	273.90	262.31	265.71	274.71	279.47	282.04	296.33	294.62	288.65	
Consumer goods.....do .....		323.77	305.95	313.68	327.18	324.78	331.12	339.49	353.53	352.18	368.61	376.24	399.70	411.63	434.05	430.76	439.31	
Utilities (40 Stocks).....do .....		112.70	108.74	109.67	113.00	111.70	113.02	114.37	116.88	119.91	127.74	133.50	137.22	140.47	149.98	142.71		
Transportation (20 Stocks) .....1982=100.....		228.91	209.02	209.71	219.89	216.97	225.63	237.65	251.42	245.69	250.63	262.59	268.10	276.07	307.44	315.42	297.89	
Railroads.....do .....		166.90	158.73	158.59	164.78	164.74	171.25	178.57	187.76	185.35	182.19	194.13	198.07	197.59	211.31	215.45	208.51	
Financial (40 Stocks) .....1970=10.....		28.15	24.09	25.75	26.05	24.85	27.49	25.51	26.68	26.96	28.31	29.10	30.85	31.70	33.16	33.24	33.76	
Money center banks.....1941-43=10.....		112.03	92.05	102.18	99.61	98.23	98.74	99.73	104.23	104.67	113.23	114.86	122.57	122.12	127.09	125.45	130.47	
Major regional banks.....do .....		109.54	103.22	112.82	111.78	107.34	103.82	104.72	109.91	113.96	121.88	129.20	132.01	136.60	135.63	132.49		
Property-Casualty Insurance.....do .....		311.50	271.62	276.57	280.22	268.26	266.65	274.49	288.70	295.79	307.82	310.76	316.61	321.65	344.12	345.97	364.37	
N.Y. Stock Exchange common stock indexes:																		
Composite.....12/31/65=50.....		161.70	149.91	151.47	156.36	152.67	155.35	160.40	165.08	164.60	169.88	175.30	180.76	185.15	192.94	193.02	192.49	
Industrial.....do .....		195.31	180.95	182.18	188.58	183.79	187.75	194.62	200.00	199.20	204.81	211.51	216.75	221.74	231.32	230.86	229.40	
Transportation.....do .....		140.39	134.12	136.27	141.93	138.60	144.07	153.09	162.66	164.14	164.32	168.89	173.47	179.32	197.52	202.02	190.36	
Utility.....do .....		74.30	71.77	71.83	74.19	73.83	74.81	75.87	77.84	77.66	79.72	84.07	87.90	90.40	92.90	93.44	94.67	
Finance.....do .....		146.48	127.26	133.15	134.66	129.61	128.83	132.26	137.19	137.91	143.26	146.59	154.09	157.78	164.86	165.51	166.55	
NASDAQ over-the-counter price indexes:																		
Composite.....2/5/71=100.....		402.74	374.43	382.16	385.01	372.89	375.78	389.32	404.08	403.99	417.13	435.99	447.61	446.70	461.83	469.28	469.68	
Industrial.....do .....		422.72	379.49	384.00	382.49	365.82	371.11	385.71	399.80	396.74	409.76	413.81	437.84	443.03	448.47	455.01	455.91	
Insurance.....do .....		425.25	408.17	429.93	424.45	426.82	425.94	441.91	461.07	469.40	480.35	483.04	503.78	513.43	535.62	533.04	538.37	
Bank.....do .....		464.95	444.14	452.91	450.81	440.91	436.45	446.01	453.87	457.31	460.50	475.70	472.14	484.22	485.08	460.01		
NASDAQ/NMS composite.....7/10/84=100.....		172.49	161.95	165.30	166.78	161.60	163.15	169.07	175.62	175.67	181.71	190.19	195.38	195.04	201.86	205.14	205.35	
Industrial.....do .....		161.06	146.78	148.48	148.10	141.76	144.24	149.98	155.66	154.51	159.95	168.95	171.32	169.85	173.63	178.19	178.64	
Yields (Standard & Poor's Corp.):																		
Composite (500 stocks).....percent..		3.08	3.64	3.69	3.61	3.70	3.68	3.64	3.59	3.68	3.59	3.52	3.44	3.38	3.28	3.29		
Industrials (400 stocks).....do .....		2.62	3.14	3.21	3.13	3.22	3.19	3.14	3.10	3.13	3.10	3.06	3.01	2.97	2.86	2.88		
Utilities (40 stocks).....do .....		6.52	7.08	7.09	7.01	7.04	6.98	6.99	7.06	6.92	6.95	6.62	6.35	6.20	6.11	6.05		
Transportation (20 stocks).....do .....		2.20	2.48	2.55	2.44	2.43	2.34	2.41	2.17	2.24	2.21	2.09	2.04	1.98	1.93	1.88		
Financial (40 stocks).....do .....		3.60	4.34	3.96	3.96	4.16	4.26	4.15	4.03	3.90	3.90	3.85	3.64	3.58	3.42	3.44		
Preferred stocks, 10 high-grade.....do .....		8.37	9.24	9.28	9.23	9.36	9.38	9.31	9.43	9.50	9.32	8.96	8.81	8.75	8.82	8.85		
Sales:																		
Total on all registered exchanges (SEC):																		
Market value.....mil. \$.....		2,284,166	1,584,106	1,174,12	1,38,281	120,360	117,060	122,524	143,957	148,021	136,598	157,168	178,088	144,776	190,751	153,234		
Shares sold.....millions.....		63,771	52,474	4,024	4,247	3,805	3,922	4,049	4,675	4,530	4,115	4,722	4,967	4,141	5,146	4,416		

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
**BUSINESS STATISTICS: 1986**

Units	Annual		1988				1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
FOREIGN TRADE OF THE UNITED STATES—Continued																
<b>VALUE OF EXPORTS—Continued</b>																
Exports (mdse.), incl. reexports—Continued																
Western Hemisphere:																
Canada ♦	.....	59,814.3	71,622.0	6,159.7	6,358.7	6,307.2	5,517.8	6,086.0	6,484.8	7,248.8	7,006.6	7,417.6	6,958.0	5,147.7	6,228.5	6,348.2
Brazil	.....	4,039.9	4,266.5	324.0	313.0	344.8	408.0	386.1	334.8	383.4	348.0	304.9	434.5	395.5	461.5	401.6
Mexico	.....	14,582.2	20,628.4	1,986.1	2,047.4	1,954.5	1,917.9	1,843.5	2,052.1	2,175.2	2,058.8	2,091.7	2,154.3	2,042.1	2,145.4	1,998.7
Venezuela	.....	3,586.0	4,611.9	437.8	409.3	424.1	458.6	384.0	368.2	287.7	247.9	222.4	223.9	215.6	188.7	208.7
Asia:																
China *	.....	3,497.3	5,021.4	396.4	412.9	449.3	533.9	885.9	499.2	581.8	404.4	471.0	355.2	644.7	703.7	456.2
Hong Kong *	.....	3,983.1	5,687.4	510.9	529.1	433.5	526.9	379.3	494.2	589.0	602.0	519.4	659.6	501.1	506.5	585.8
Japan	.....	28,248.6	37,725.2	3,110.0	3,259.6	3,233.7	3,815.6	2,939.2	3,292.1	4,167.5	3,636.9	3,602.9	3,966.4	3,942.3	3,882.9	3,555.4
Republic of Korea *	.....	8,098.7	11,231.3	925.7	956.4	861.5	1,156.5	922.5	998.9	1,186.4	1,009.0	1,153.2	1,302.5	1,241.5	1,087.5	1,170.6
Saudi Arabia *	.....	3,373.4	3,776.1	349.1	330.1	332.5	319.9	342.5	294.5	334.7	302.6	290.5	275.4	243.1	251.1	282.7
Singapore *	.....	4,052.7	5,767.6	486.5	508.8	519.1	556.6	453.6	507.5	795.6	557.3	566.8	606.5	666.8	618.8	592.3
Taiwan *	.....	7,412.7	12,129.1	864.3	820.0	828.4	924.3	705.5	839.9	919.0	1,023.8	1,004.9	940.0	924.2	976.1	894.9
Africa:																
Nigeria *	.....	295.1	356.7	88.9	82.4	29.6	27.5	84.3	43.5	81.7	19.4	40.7	88.1	112.8	27.8	37.7
Republic of South Africa	.....	1,281.2	1,687.6	147.9	148.9	167.0	130.5	112.7	105.7	175.9	157.5	188.2	149.4	124.4	127.0	150.5
Australia *	.....	5,494.8	6,972.9	569.8	795.3	640.2	813.5	551.9	608.8	689.2	616.9	681.5	690.7	714.7	799.7	909.7
OPEC *	.....	11,058.1	13,994.3	1,255.8	1,256.9	1,240.8	1,326.0	1,164.5	1,154.0	1,124.5	1,103.8	1,101.4	974.5	1,088.0	920.6	993.8
Exports of U.S. merchandise, total @	.....	245,115.0	310,049.1	25,998.7	27,449.4	26,559.3	27,676.5	26,320.5	26,881.7	31,688.5	30,224.8	30,109.9	30,289.3	27,641.2	28,583.7	29,285.1
By commodity groups and principal commodities:																
Agricultural products, total	.....	28,636.2	37,046.6	3,105.6	3,299.7	3,470.9	3,510.7	3,857.0	3,469.7	4,040.2	3,842.1	3,814.1	3,048.8	2,966.2	2,768.2	3,011.8
Nonagricultural products, total	.....	215,222.7	285,379.8	23,961.0	25,244.4	24,094.4	25,271.4	22,058.6	23,641.3	28,126.3	26,495.7	26,818.4	26,862.6	24,928.1	25,614.7	27,440.2
Food and live animals #	.....	19,178.8	26,701.2	2,509.8	2,507.0	2,410.4	2,384.0	2,240.0	2,413.1	2,918.2	2,497.1	2,579.4	2,396.5	2,538.6	2,398.1	2,392.4
Beverages and tobacco	.....	3,666.7	4,603.4	368.7	398.7	409.8	445.4	388.9	469.6	491.4	398.7	438.0	434.7	384.0	452.6	446.4
Crude materials, inedible, exc. fuels #	.....	20,416.3	25,524.5	1,855.0	2,030.7	2,277.3	2,485.6	2,083.6	2,272.1	2,621.4	2,262.8	2,235.3	2,218.5	2,178.5	2,045.8	2,056.6
Mineral fuels, lubricants, etc. #	.....	7,713.1	8,278.5	696.2	768.6	764.8	867.1	678.2	673.0	783.0	813.9	871.0	831.1	717.6	842.5	841.1
Oils and fats, animal and vegetable	.....	981.4	1,538.4	184.5	129.4	114.7	116.3	99.6	115.0	127.8	105.7	105.1	98.2	109.0	124.4	165.3
Chemicals	.....	26,380.9	32,644.5	8,080.8	2,665.1	2,635.7	2,801.9	2,561.0	2,860.9	3,231.2	3,828.0	3,406.5	3,864.9	3,111.4	3,067.5	2,992.5
Manufactured goods classified chiefly by material \$	.....	17,186.1	24,525.5	2,263.1	2,120.3	2,087.5	2,379.2	1,769.6	2,106.4	2,595.8	2,266.1	2,354.2	2,372.7	2,158.1	2,351.8	2,392.5
Miscellaneous manufactured articles *	.....	19,409.0	25,820.7	2,152.3	2,246.1	2,145.8	2,507.4	2,172.2	2,423.3	2,965.9	2,650.5	2,672.3	3,045.1	2,671.9	2,733.9	2,797.3
Machinery and transport equipment, total	.....	108,596.0	142,375.4	11,833.0	12,748.5	12,089.3	13,129.2	10,102.1	11,231.6	13,788.9	12,889.1	12,533.6	12,797.5	11,810.7	11,965.8	13,212.1
Machinery, total #	.....	69,637.0	88,432.0	7,567.1	7,923.6	7,478.0	8,381.4	6,277.0	7,152.4	8,208.9	7,922.1	8,358.1	8,659.5	9,112.0	8,661.0	9,121.0
Transport equipment, total	.....	38,959.0	46,702.8	3,708.2	4,058.0	4,040.4	4,087.5	3,207.4	2,117.9	3,957.9	2,174.0	2,049.2	2,260.2	2,143.3	2,124.2	2,038.4
Motor vehicles and parts	.....	20,878.8	24,019.7	2,165.0	2,078.4	2,117.9	2,112.9	1,831.3	1,822.7	1,708.9	1,863.7	2,092.0	2,131.2	2,182.0	2,384.6	2,176.5
<b>VALUE OF IMPORTS</b>																
General imports, total @	.....	406,241.0	440,952.3	36,303.6	38,795.2	38,389.3	39,389.3	36,082.1	36,687.1	40,146.8	38,185.1	40,895.7	40,494.1	39,456.4	40,513.9	38,499.2
Seasonally adjusted †	.....			36,750.4	37,121.1	38,087.3	39,668.4	37,377.3	38,220.3	39,549.0	39,044.7	40,584.3	39,292.8	33,709.0	40,662.1	39,078.6
Western Europe *:	.....	95,496.1	100,442.8	7,815.2	8,551.5	8,900.3	9,490.7	7,284.2	8,313.1	9,209.7	8,889.4	8,667.3	8,593.3	8,811.5	8,249.7	7,660.7
European Economic Community *	.....	81,188.0	84,935.8	6,573.8	7,091.4	7,464.6	8,028.1	6,071.8	6,772.5	6,985.3	7,212.1	7,635.7	7,172.0	7,466.5	7,146.1	6,397.4
Belgium and Luxembourg *	.....	4,170.9	4,493.8	359.3	394.7	388.5	361.4	307.3	379.3	436.4	404.1	394.1	397.8	420.1	299.5	372.5
France	.....	10,730.2	12,505.8	1,051.0	1,004.0	1,032.2	1,102.3	924.7	1,063.5	1,128.0	1,034.7	1,300.0	1,111.7	1,011.2	949.0	
Federal Republic of Germany	.....	27,069.3	26,361.9	2,090.6	2,139.7	2,298.4	2,649.1	1,902.1	1,955.3	2,334.5	2,091.6	2,086.1	1,980.6	2,155.1	2,064.0	1,896.1
Italy	.....	11,039.6	11,576.0	712.8	983.8	1,028.7	1,026.6	763.8	826.1	1,142.9	925.3	979.8	1,063.8	1,180.2	1,113.7	775.1
Netherlands *	.....	3,963.6	4,558.9	391.9	415.0	424.6	411.4	356.0	401.2	439.3	346.9	370.9	377.2	406.1	375.2	388.0
United Kingdom	.....	17,341.3	17,976.4	1,390.0	1,509.8	1,615.1	1,735.4	1,211.7	1,520.2	1,586.4	1,397.8	1,681.6	1,787.4	1,514.7	1,655.5	1,496.4
Eastern Europe *:	.....	1,922.6	2,162.6	147.6	140.3	173.6	233.4	203.3	159.6	204.2	153.8	144.7	190.2	186.0	166.7	168.9
Union of Soviet Socialist Republics	.....	424.7	586.0	88.0	88.2	63.0	104.5	73.8	42.4	80.9	64.4	40.6	81.9	63.5	54.8	52.2
Western Hemisphere:																
Canada	.....	71,085.0	81,297.9	6,976.6	7,388.5	7,122.0	6,476.8	7,891.3	7,295.8	7,636.2	7,482.2	8,128.8	7,506.6	5,619.1	7,892.0	7,014.3
Brazil	.....	7,855.4	9,294.8	854.6	766.7	745.4	759.6	672.7	731.2	674.7	713.4	627.1	829.5	759.1	788.8	695.7
Mexico	.....	20,270.8	23,259.7	1,948.3	1,998.3	2,056.7	1,967.1	1,977.9	2,141.5	2,278.8	2,377.0	2,543.7				

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
*BUSINESS STATISTICS: 1986*

Units	Annual		1988					1989									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>FOREIGN TRADE OF THE UNITED STATES—Continued</b>																	
<b>Indexes</b>																	
Exports of U.S. merchandise:																	
Unit value @ .....1977=100 ..	158.6	169.6	176.9	175.8	175.8	176.3	174.0	172.5	175.5	174.6	175.6	176.6	177.2	(*)			
Quantity .....do ..	127.0	149.8	148.6	149.8	145.1	159.0	144.6	155.7	181.5	169.4	169.9	167.7	155.9	(*)			
Value .....do ..	201.4	254.1	262.9	263.4	255.0	280.4	251.7	268.5	318.6	295.7	298.4	296.2	276.2	(*)			
General imports:																	
Unit value @ .....do ..	164.6	172.9	172.5	171.8	172.3	174.4	176.2	177.5	179.7	181.5	182.3	181.5	181.4	(*)			
Quantity .....do ..	169.2	175.1	174.0	183.4	183.0	182.9	168.4	174.2	182.8	173.4	185.6	182.8	177.3	(*)			
Value .....do ..	278.5	302.7	300.2	318.6	315.2	318.9	296.7	309.3	328.7	314.8	338.2	331.7	321.6	(*)			
<b>Shipping Weight and Value</b>																	
Waterborne trade:																	
Exports (incl. reexports):																	
Shipping weight.....thous. met. tons..	824,125	361,222	31,565	29,024	29,230	34,266	29,117	28,962	34,760	33,036	34,284	34,563	29,061				
Value .....mil. \$..	99,011	125,775	11,497	10,555	10,690	11,995	10,672	11,721	13,277	12,564	12,756	11,957	11,989				
General imports:																	
Shipping weight.....thous. met. tons..	427,913	465,082	38,948	40,426	39,856	43,501	38,364	36,814	39,414	38,573	44,918	41,664	44,013				
Value .....mil. \$..	245,030	254,753	20,519	22,041	21,453	23,213	19,959	21,015	22,283	21,372	23,426	23,109	24,113				
<b>TRANSPORTATION AND COMMUNICATION</b>																	
<b>TRANSPORTATION</b>																	
<b>Air Carriers</b>																	
Certified route carriers:																	
Passenger-miles (revenue) .....bil..	404,47	423,30	33,82	35,45	32,53	38,48	32,18	29,37	36,03	33,57	35,38	40,05	41,90				
Passenger-load factor .....percent..	62.3	62.5	60.3	59.8	58.3	56.2	56.9	65.0	62.0	62.5	69.7	69.5					
Ton-miles (revenue), total .....mil..	50,469	53,800	4,364	4,605	4,295	4,413	4,099	3,834	4,670	4,373	4,535	5,030	5,200				
Operating revenues (quarterly) # \$ .....mil. \$..	156,787	163,633	16,985			16,030											
Passenger revenues .....do ..	44,918	50,296	13,579			12,474											
Cargo revenues .....do ..	16,434	17,478	1,885			2,017											
Mail revenues .....do ..	924	972	220			269											
Operating expenses (quarterly) \$ .....do ..	154,339	160,136	15,483			15,495											
Net income after taxes (quarterly) \$ .....do ..	465	1,785	1,077			240											
Domestic operations:																	
Passenger-miles (revenue) .....bil..	324,69	329,31	25,22	27,32	25,85	26,22	24,85	23,28	28,45	26,10	26,94	29,93	30,93				
Cargo ton-miles .....mil..	4,340	4,843	417	437	426	413	363	368	431	411	418	420	404				
Mail ton-miles .....do ..	1,313	1,367	106	111	113	169	112	107	125	114	110	109	101				
Operating revenues (quarterly) \$ .....mil. \$..	145,658	150,052	12,898			12,744											
Operating expenses (quarterly) \$ .....do ..	148,925	147,562	11,972			12,248											
Net income after taxes (quarterly) \$ .....do ..	166	1,027	621			162											
International operations:																	
Passenger-miles (revenue) .....bil..	79,83	93,99	8,60	8,12	6,67	7,26	7,33	5,99	7,58	7,48	8,44	10,12	10,97				
Cargo ton-miles .....mil..	3,921	4,789	423	473	457	423	371	389	470	451	432	457	467				
Mail ton-miles .....do ..	443	470	35	39	46	61	36	35	41	39	38	38	38				
Operating revenues (quarterly) \$ .....mil. \$..	10,925	13,832	4,024			3,233											
Operating expenses (quarterly) \$ .....do ..	10,226	12,361	3,456			3,201											
Net income after taxes (quarterly) \$ .....do ..	1,307	1,720	435			77											
<b>Urban Transit Industry</b>																	
Passengers carried, total .....mil..	18,766	18,867	740	772	750	727	734	691	797								
<b>Motor Carriers</b>																	
Carriers of property, large, class I, qtrly.:																	
Number of reporting carriers .....	100	100	100														
Operating revenues, total .....mil. \$..	18,398	18,668	4,998			4,964											
Net income, after extraordinary and prior period charges and credits .....mil. \$..	297	464	179			127											
Tonnage hauled (revenue), common and contract carrier service .....mil. tons..	181	170	45			45											
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																	
Common carriers of general freight, seas. adj. ....1967=100 ..	163.8	177.2	178.5	178.3	178.1	178.3	177.6	169.2	166.7	172.2	172.7	172.5	158.6	169.0	157.4		
<b>Class I Railroads ‡</b>																	
Financial operations, quarterly (AAR), excluding Amtrak:																	
Operating revenues, total # .....mil. \$..	26,623	27,979	6,984			7,107											
Freight .....do ..	25,798	27,135	6,767			6,886											
Passenger, excl. Amtrak .....do ..	95	85	22			21											
Operating expenses .....do ..	28,881	24,883	5,879			6,281											
Net railway operating income .....do ..	1,752	1,961	691			490											
Ordinary income † .....do ..	1,989	2,319	740			715											
Traffic:																	
Revenue ton-miles, qtrly. (AAR) .....bil..	943.7	996.2	249.5	105.4	105.4	254.4	105.8	105.9	249.2	106.0	253.6	286.1	277.9	296.7	279.9		
Price index for railroad freight ....12/84=100 ..	100.1	104.8	105.4	105.4	105.4	105.4	105.8	105.9	105.9	106.0	106.0	106.6	107.1	106.7	106.7		
<b>Travel</b>																	
Lodging industry:																	
Restaurant sales index....same month 1967=100 ..	223	236	222	258	222	241	192	224	252	240	290						
Hotels: Average room sale ◊....dollars..	82.58	85.12	83.65	89.71	88.54	85.40	88.78	91.84	89.43	89.88	89.63						
Rooms occupied .....% of total..	68	66	66	72	66	52	58	68	70	72	70						
Motor hotels: Average room sale ◊....dollars..	47.79	45.88	43.01	44.25	43.62	43.83	44.17	48.15	49.22	47.80	46.32						
Rooms occupied .....% of total..	62	64	64	66	56	48	54	66	72	69	68						
Economy hotels: Average room sale ◊....dollars..	32.87	40.62	34.30	33.42	33.32	35.08	35.31	39.15	39.32	39.05	38.01						
Rooms occupied .....% of total..	64	65	65	65	56	49	53	66</									

Units	Annual		1988				1989								
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>TRANSPORTATION AND COMMUNICATION—Continued</b>															
<b>COMMUNICATION</b>															
Telephone carriers: ♦															
Operating revenues # .....	74,657														
Station revenues .....	31,669														
Tolls, message .....	9,171														
Operating expenses (excluding taxes) .....	50,384														
Net operating income (after taxes) .....	13,370														
Access lines .....	mil.														

<b>CHEMICALS AND ALLIED PRODUCTS</b>																
<b>CHEMICALS</b>																
<b>Inorganic Chemicals</b>																
Production:																
Aluminum sulfate, commercial (17% Al <sub>2</sub> O <sub>3</sub> ) ‡	thous. sh. tons ..	1,264	1,274	108	96	98	105	91	89	109	97	102	107	104	114	103
Chlorine gas (100% Cl <sub>2</sub> ) ‡ .....	do	11,019	11,329	960	987	966	(*)	974	946	955	972	980	910	949	913	924
Hydrochloric acid (100% HCl) ‡ .....	do	2,869	2,568	232	205	221	233	227	222	238	221	249	243	241	223	.....
Phosphorus, elemental ‡ .....	do	344	352	29	29	30	30	30	26	31	29	31	32	32	31	28
Sodium hydroxide (100% NaOH) ‡ .....	do	11,486	11,983	1,083	1,038	1,022	(*)—	1,039	997	1,028	1,023	988	972	1,031	985	999
Sodium silicate, anhydrous ‡ .....	do	952	748	76	70	66	(*)—	64	88	68	74	71	71	72	77	79
Sodium sulfate (100% Na <sub>2</sub> SO <sub>4</sub> ) ‡ .....	do	813	789	67	63	65	65	71	64	68	66	67	70	64	62	62
Sodium tripolyphosphate (100% Na <sub>5</sub> P <sub>3</sub> O <sub>10</sub> ) ‡ .....	do	586	551	36	51	47	45	49	46	49	46	55	50	50	47	50
Titanium dioxide (composite and pure) ‡ .....	do	968	1,026	88	78	86	91	93	92	87	96	92	93	97	92	92
Sulfur, native (Frasch) and recovered:																
Production .....	thous. met. tons ..	19,363	19,450	762	836	816	981	935	794	925	902	908	891	893	1,863	818
Stocks (producers') end of period .....	do	2,316	1,112	1,368	1,324	1,210	1,112	1,101	1,122	1,159	1,252	1,310	1,387	1,498	1,501	.....
<b>Inorganic Fertilizer Materials</b>																
Production:																
Ammonia, synthetic anhydrous ‡	thous. sh. tons ..	16,095	16,937	1,289	1,346	1,400	1,520	1,529	1,342	1,494	1,471	1,505	1,433	1,380	1,268	1,285
Ammonium nitrate, original solution ‡ .....	do	6,547	7,186	515	587	621	658	627	612	675	673	684	628	600	573	563
Ammonium sulfate ‡ .....	do	2,189	2,337	188	213	207	210	201	188	199	207	206	200	198	195	191
Nitric acid (100% HNO <sub>3</sub> ) ‡ .....	do	7,225	7,887	570	627	654	708	726	660	715	701	714	666	640	616	556
Nitrogen solutions (100% N) ‡ .....	do	2,385	3,119	240	272	278	304	268	243	258	261	269	245	247	204	221
Phosphoric acid (100% P <sub>2</sub> O <sub>5</sub> ) ‡ .....	do	10,685	11,729	945	1,004	961	1,066	1,007	936	1,045	966	965	869	927	971	958
Sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> ) ‡ .....	do	39,235	42,775	3,441	3,673	3,675	3,922	3,790	3,496	3,821	3,659	3,687	3,291	3,504	3,691	3,541
<b>Superphosphate and other phosphatic fertilizers (gross weight):</b>																
Production .....	thous. sh. tons ..	15,674	16,858	1,378	1,588	1,515	1,604	1,592	1,400	1,640	1,640	1,594	1,366	1,455	1,472	1,429
Stocks, end of period .....	do	704	879	570	602	749	879	860	989	970	913	874	1,011	962	826	773
Potash, sales (K <sub>2</sub> O) .....	do	6,204	5,703	347	438	447	548	579	344	401	731	637	238	256	529	409
<b>Imports:</b>																
Ammonium nitrate .....	thous. met. tons ..	279	267	14	16	16	44	40	46	37	46	38	46	21	29	.....
Ammonium sulfate .....	do	259	337	24	13	40	32	23	6	53	48	30	14	9	19	.....
Potassium chloride .....	do	6,613	6,796	462	543	586	558	710	396	541	659	427	261	89	472	.....
Sodium nitrate .....	do	98	131	15	5	(*)—	8	11	14	14	11	21	22	2	12	.....
<b>Industrial Gases ‡</b>																
Production:																
Acetylene .....	mil. cu. ft ..	5,284	4,948	467	488	446	484	444	425	480	450	347	381	343	422	.....
Hydrogen (high and low purity) .....	do	149,217	143,819	11,077	11,022	11,849	11,209	10,498	10,955	11,554	11,145	11,214	12,377	11,607	11,811	.....
Nitrogen (high and low purity) .....	do	675,843	719,371	58,901	60,566	58,607	61,382	61,071	57,539	63,163	61,005	62,200	58,734	61,434	63,074	.....
Oxygen (high and low purity) .....	do	402,644	448,695	36,676	37,603	38,022	39,353	38,522	36,668	39,735	37,721	40,190	39,158	38,801	37,412	.....
<b>Organic Chemicals §</b>																
Production:																
Acetylsalicylic acid (aspirin) .....	thous. met. tons ..	110.9	110.8	2.2			2.0			52.4				2.4		.....
Ethyl acetate .....	do	197.1	115.3	39.6			32.5			54.0				31.8		.....
Formaldehyde (37% HCHO) .....	do	1,600.5	1,248.8	756.7			786.3			731.0				740.6		.....
Glycerin, refined, all grades .....	mil. lb.	276.4	281.7	21.9	24.8	26.0	19.4	27.7	20.9	24.9	24.0	28.5	22.0	23.4	23.1	25.7
Methanol, synthetic .....	thous. met. tons ..	1,341.2	1,369.2	818.5			950.4			752.1			901.6			.....
Phthalic anhydride .....	do	469.6	452.9	133.6			132.4			5130.0			130.3			.....
<b>ALCOHOL</b>																
Ethyl alcohol and spirits:																
Production .....	mil. tax gal ..	730.3	777.2	61.2	69.7	69.7	67.8	82.2	69.8	68.9	68.6	79.3	76.1	77.6		
Stocks, end of period .....	do	43.4	39.7	28.4	35.9	36.3	39.7	45.0	48.1	46.2	48.4	45.7	39.7	44.9		
Denatured alcohol:																
Production .....	mil. wine gal ..	442.5	462.5	36.2	36.1	38.2	42.2	38.1	38.9	43.4	34.5	47.7	44.6	39.0		
Consumption (withdrawals) .....	do	460.8	469.1	38.7	38.5	36.9	39.7	37.8	38.0	42.1	36.3	45.8	45.6	39.9		
For fuel use .....	do	208.3	216.0	19.0	18.2	18.1	17.2	17.0	13.3	12.8	14.4	17.1	16.5	14.5		
Stocks, end of period .....	do	9.7	9.2	8.7	7.5	7.4	9.2	9.1	8.8	9.2	7.6	9.3	9.8	7.9		

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989				Sept.	Oct.	
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
<b>CHEMICALS AND ALLIED PRODUCTS—Continued</b>													
PLASTICS AND RESIN MATERIALS													
Production:													
Phenolic resins.....thous. met. tons..	<sup>2</sup> 769.8	765.3											
Polyethylene and copolymers.....do.....	1,781.0	<sup>2</sup> 847.6	2,006.0			2,156.1			2,168.2			1,903.9	
Polypropylene.....do.....	<sup>2</sup> 3,164.8	3,201.6	840.6			764.8			<sup>2</sup> 759.7			789.8	
Polystyrene and copolymers.....do.....	<sup>2</sup> 3,757.0	4,166.2											
Polyvinyl chloride and copolymers.....do.....	1,372.0	<sup>2</sup> 3,895.5	1,054.2			1,058.5			1,093.2			1,031.5	
PAINTS, VARNISH, AND LACQUER †													
Total shipments .....mil. \$ ..	<sup>2</sup> 10,167.6	<sup>2</sup> 10,716.1											
Architectural coatings .....do.....	<sup>2</sup> 4,245.4	<sup>2</sup> 4,372.1											
Product coatings (OEM).....do.....	<sup>2</sup> 3,782.5	<sup>2</sup> 4,062.9											
Special purpose coatings ..do.....	2,189.7	<sup>2</sup> 2,281.1											
<b>ELECTRIC POWER AND GAS</b>													
ELECTRIC POWER													
Production:													
Electric utilities, total.....mil. kw-hr ..	2,572,127	2,701,624	220,023	210,377	209,394	232,550	281,343	219,066	226,436	207,749	219,803	235,397	256,744
By fuels .....do.....	2,322,432	2,478,686	203,753	195,265	190,928	212,637	211,378	200,447	208,794	183,674	191,771	209,515	234,074
By waterpower.....do.....	249,695	222,938	16,270	15,112	18,466	19,913	19,965	18,620	22,642	24,075	28,083	25,881	22,670
Sales to ultimate customers, total (Edison Electric Institute) ◊.....mil. kw-hr ..	<sup>2</sup> 435,483	<sup>2</sup> 549,909	<sup>2</sup> 706,542				<sup>2</sup> 614,775						
Commercial §.....do.....	<sup>2</sup> 658,445	<sup>2</sup> 695,181	<sup>2</sup> 197,372				<sup>2</sup> 167,127						
Industrial §.....do.....	<sup>2</sup> 843,709	<sup>2</sup> 880,947	<sup>2</sup> 229,661				<sup>2</sup> 221,204						
Railways and railroads.....do.....	<sup>2</sup> 4,898	<sup>2</sup> 5,110	<sup>2</sup> 1,270				<sup>2</sup> 1,294						
Residential or domestic.....do.....	<sup>2</sup> 846,457	<sup>2</sup> 855,146	<sup>2</sup> 56,489				<sup>2</sup> 203,570						
Street and highway lighting.....do.....	<sup>2</sup> 14,886	<sup>2</sup> 14,597	<sup>2</sup> 3,503				<sup>2</sup> 8,881						
Other public authorities.....do.....	<sup>2</sup> 63,047	<sup>2</sup> 64,598	<sup>2</sup> 17,080				<sup>2</sup> 16,150						
Interdepartmental.....do.....	<sup>2</sup> 4,541	<sup>2</sup> 4,392	<sup>2</sup> 1,168				<sup>2</sup> 1,283						
Revenue from sales to ultimate customers (Edison Electric Institute) ◊.....mil. \$ ..	<sup>2</sup> 155,700	<sup>2</sup> 162,188	<sup>2</sup> 47,498				<sup>2</sup> 38,559						
GAS ♦													
Total utility gas, quarterly (American Gas Association):													
Customers, end of period, total @.....thous..	51,802	53,096	52,093				53,096						
Residential.....do.....	47,579	48,756	47,871				48,756						
Commercial.....do.....	3,990	4,108	3,992				4,108						
Industrial @.....do.....	179	179	177				179						
Other.....do.....	54	54	53				54						
Sales to customers, total ....tril. Btu..	10,543	10,691	1,628				2,855						
Residential.....do.....	4,885	4,747	373				1,353						
Commercial.....do.....	2,156	2,306	260				639						
Industrial.....do.....	2,541	2,251	471				581						
Electric generation.....do.....	1,306	1,229	502				235						
Other.....do.....	155	158	22				47						
Revenue from sales to customers, total.....mil. \$ ..	45,492	<sup>2</sup> 46,362	6,307				12,858						
Residential.....do.....	23,622	<sup>2</sup> 25,158	2,489				7,278						
Commercial.....do.....	10,271	10,788	1,185				3,014						
Industrial.....do.....	7,500	<sup>2</sup> 6,739	1,284				1,798						
Electric generation.....do.....	3,569	3,141	1,291				608						
Other.....do.....	530	541	58				166						
<b>FOOD AND KINDRED PRODUCTS; TOBACCO</b>													
ALCOHOLIC BEVERAGES													
Beer:													
Production.....mil. bbl..	195,42	197,70	15,45	15,61	14,02	18,82	15,88	15,29	17,57	17,30	18,40	18,75	18,28
Taxable withdrawals.....do.....	177,85	178,06	14,12	14,09	13,21	12,23	14,09	13,20	15,41	14,88	16,78	16,94	17,41
Stocks, end of period.....do.....	12,94	18,23	13,68	14,15	13,47	13,23	13,88	13,84	14,24	14,99	14,72	14,35	14,33
Distilled spirits (total):													
Production.....mil. tax gal ..	76.51	94.72	9.82	12.96	9.75	8.18	9.17	9.41	11.42	9.88	9.70	8.93	4.77
Consumption, apparent, for beverage purposes †.....mil. wine gal..	388,22	378,20	30,08	31,28	38,68	44,96	<sup>2</sup> 25,06	<sup>2</sup> 26,61	<sup>2</sup> 30,25	<sup>2</sup> 28,42	<sup>2</sup> 30,63	31,70	27,79
Stocks, end of period.....mil. tax gal ..	458,00	420,92	427,33	426,58	428,98	420,92	389,37	423,94	427,12	429,69	433,04	423,77	405,70
Imports.....mil. proof liters..	404,60	363,20	33,50	44,50	42,10	26,50	<sup>2</sup> 24,14	28,23	24,44	26,66	30,52	23,97	24,63
Whisky:													
Production.....mil. tax gal ..	38,93	48,27	3,91	5,61	6,04	5,56	6,21	6,75	9,13	8,12	7,97	6,45	2,60
Stocks, end of period.....do.....	393,72	364,56	369,90	367,40	364,88	364,56	333,10	387,47	371,45	373,97	373,97	370,86	325,93
Imports.....mil. proof liters..	268,50	231,90	21,20	30,80	27,60	16,50	<sup>2</sup> 15,61	17,15	14,45	15,80	19,35	14,46	21,44
Wines and distilling materials:													
Effervescent wines:													
Production.....mil. wine gal..	27,89	30,72	3,04	3,65	3,02	2,62	2,77	2,02	2,14	2,20	1,76	2,33	2,18
Taxable withdrawals.....do.....	30,04	29,24	3,48	3,87	4,69	3,54	1,21	1,25	1,39	1,27	2,08	2,10	1,27
Stocks, end of period.....do.....	14,99	18,65	18,27	17,95	15,48	18,65	16,53	17,28	18,32	17,66	17,85	18,07	18,76
Imports.....mil. liters..	52,50	49,80	4,00	7,50	8,00	4,90	<sup>2</sup> 1,91	2,10	2,74	2,38	3,27	2,50	3,43
Still wines:													
Production.....mil. wine gal..	442,83	<sup>2</sup> 470,81	192,53	117,01	53,30	45,08	10,34	5,63	4,12	4,73	5,13	6,36	5,26
Taxable withdrawals.....do.....	451,80	<sup>2</sup> 445,05	33,09	32,46	34,33	34,35	29,75	29,40	32,46	33,97	35,88	41,54	31,62
Stocks, end of period.....do.....	602,97	536,77	569,32	548,27	587,32	586,77	579,30	544,93	538,49	536,81	535,69	532,86	439,14
Imports.....mil. liters..	312,00	257,40	19,80	27,00	26,50	19,60	<sup>2</sup> 14,98	13,55	21,02	19,88	21,48	18,68	20,44
Distilling materials produced at wineries.....mil. wine gal..	145,90	131,76	40,53	32,88	8,95	7,01	4,01	3,23	4,95	4,58	4,93	5,56	5,09

See footnotes at end of tables.

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methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1988				1989										
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	

## FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

DAIRY PRODUCTS																	
Butter:																	
Production (factory) .....	.....mil. lb.	1,104.1	1,207.5	83.8	92.3	95.6	112.0	129.0	124.7	135.7	124.7	122.5	95.3	72.2	80.1	82.1	
Stocks, cold storage, end of period .....	.....do	143.2	214.7	253.4	237.3	226.2	214.7	246.6	314.4	341.9	379.1	438.3	464.2	461.0	439.2	407.6	369.4
Producer Price Index .....	.....1982=100	95.8	90.8	92.6	92.2	92.1	89.1	88.6	88.5	88.5	88.5	88.5	88.5	90.5	89.3	89.1	85.7
Cheese:																	
Production (factory), total .....	.....mil. lb.	5,844.2	5,571.6	451.9	470.0	458.9	486.5	456.6	419.5	488.4	472.6	494.9	485.5	464.6	460.4	447.2	
American, whole milk .....	.....do	2,716.7	2,756.6	208.5	220.9	214.5	235.0	225.6	208.7	231.9	236.2	247.0	240.0	226.8	214.0	200.3	
Stocks, cold storage, end of period .....	.....do	457.1	388.1	421.3	400.7	366.7	388.1	395.3	402.3	394.7	405.1	428.1	429.6	427.0	418.1	367.2	341.6
American, whole milk .....	.....do	367.4	283.4	314.8	293.2	260.8	283.4	288.8	290.9	288.8	288.1	307.3	309.1	308.7	300.5	268.4	247.5
Imports .....	.....thous. met. tons.	120.2	114.6	8.8	10.6	12.6	12.2	17.4	6.9	8.7	8.0	8.2	8.8	10.2	12.3		
Price, wholesale, cheddar, single daisies (Chicago) .....	.....\$ per lb.	(*)															
Condensed and evaporated milk:																	
Production, case goods .....	.....mil. lb.	579.7	588.7	49.0	42.8	42.2	45.6	44.5	41.5	49.0	47.7	47.0	48.6	42.5	42.0	37.8	
Stocks, manufacturers', case goods, end of period .....	.....do	31.8	44.1	92.8	89.4	51.5	44.1	59.4	75.1	85.2	90.5	102.6	117.5	116.5	116.7	98.7	
Exports .....	.....thous. met. tons.	2.4	3.5	.6	.1	1.0	.1	11.2	2.5	1.9	3.1	1.2	1.4	1.6	.5		
Fluid milk:																	
Production on farms † .....	.....mil. lb.	121,294	123,896	9,967	10,125	9,790	10,251	10,476	9,839	10,860	10,770	11,095	10,435	10,293	10,135	9,736	9,926
Utilization in manufactured dairy products .....	.....do	84,720	85,072	6,678	6,633	6,425	6,948	7,189	6,878	7,866	7,854	8,075	7,558	6,851	6,970	6,505	
Price, wholesale, U.S. average .....	\$ per 100 lb.	12.53	12.22	12.40	13.00	13.40	13.50	13.40	13.10	12.70	12.30	12.20	12.30	12.60	13.20	14.50	
Dry milk:																	
Production:																	
Dry whole milk .....	.....mil. lb.	145.9	172.3	14.7	14.2	12.9	14.2	15.3	13.9	13.5	14.3	14.1	13.9	12.7	14.5	13.9	
Nonfat dry milk (human food) .....	.....do	1,056.8	978.5	59.2	56.8	54.3	75.8	87.1	85.6	95.7	99.8	81.0	60.8	53.9	46.3		
Stocks, manufacturers', end of period:																	
Dry whole milk .....	.....do	8.0	12.8	11.2	10.6	10.8	12.8	12.9	10.9	10.1	11.7	10.1	10.9	9.0	8.9	6.2	
Nonfat dry milk (human food) .....	.....do	65.1	45.1	44.4	49.9	39.1	45.1	60.4	79.8	84.6	97.9	98.4	77.5	66.7	56.9	44.6	
Exports, whole and nonfat (human food) .....	.....thous. met. tons.	175.9	153.1	16.0	12.0	18.3	14.6	116.0	8.0	16.2	17.9	17.5	24.9	18.9	20.3		
Price, manufacturers' average selling, nonfat dry milk (human food) .....	.....\$ per lb.	.793	.773	.807	.826	.841	.849	.853	.841	.816	.828	.884	.854	.908	.979	1.064	
GRAIN AND GRAIN PRODUCTS																	
Exports (barley, corn, oats, rye, wheat) .....	.....mil. bu.	2,920.4	3,448.3	289.2	273.4	246.6	295.4	(12)									
Barley:																	
Production (crop estimate) .....	.....mil. met. tons.	21,152	26,391	2,307	2,109	8,103	12,113	12,113	12,113	12,113	12,113	12,113	12,113	12,113	12,113	12,113	12,113
Stocks (domestic), end of period, total .....	.....do	4,222	3,980	3,980	3,980	3,980	12,687	12,687	12,687	12,687	12,687	12,687	12,687	12,687	12,687	12,687	12,687
On farms .....	.....do	3,085	4,129	4,129	4,129	4,129	12,426	12,426	12,426	12,426	12,426	12,426	12,426	12,426	12,426	12,426	12,426
Off farms .....	.....do	3,114.5	2,244.4	192.2	48.5	68.4	336.1	116.4	6.9	47.9	308.6	223.8	171.4	225.7	213.1	213.1	213.1
Exports, including malt \$ .....	.....thous. met. tons.	1085.7	110.4	138.7	120.2	117.5	110.2	114.9	118.6	130.1	132.2	130.6	106.6	117.5	114.9	112.3	112.8
Producer Price Index, No. 2 feed, Minneapolis .....	.....1982=100																
Corn:																	
Production (crop estimate), grain only .....	.....mil. met. tons.	2,179.44	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00
Stocks (domestic), end of period, total .....	.....do	2,248.20	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63	2,179.63
On farms .....	.....do	2,154.95	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72
Off farms .....	.....do	793.25	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90	70.90
Exports, including meal and flour .....	.....do	40.81	46.32	3.90	4.42	3.79	4.38	114.46	3.94	5.17	4.51	5.38	5.08	3.39	2.72		
Producer Price Index, No. 2, Chicago .....	.....1982=100	67.7	97.1	112.8	114.4	104.2	106.4	113.0	108.7	111.6	106.9	111.1	108.1	102.4	94.8	94.7	91.8
Oats:																	
Production (crop estimate), total .....	.....mil. met. tons.	2,542.9	2,317.6	2,179.44	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00	2,125.00
Stocks (domestic), end of period, total .....	.....do	1,926	1,626	2,179.63	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72
On farms .....	.....do	1,499	1,116	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72
Off farms .....	.....do	427	510	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72	2,108.72
Exports, including oatmeal .....	.....metric tons.	30,213	29,989	2,057	1,119	2,420	994	113.212	2,676	14,769	4,402	6,436	2,353	5,064	3,138		
Producer Price Index, No. 2, Minneapolis .....	.....1982=100	1092.5	135.4	163.8	156.1	143.2	142.6	155.3	133.4	131.8	118.1	117.0	104.9	92.5	85.3	84.5	82.4
Rice:																	
Production (crop estimate) .....	.....mil. met. tons.	5,879	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287	2,7287
Southern States mills:																	
Receipts, rough, from producers .....	.....mil. lb.	9,533	8,985	2,567	2,063	640	614	784	957	997	1,037	631	516	428			
Shipments, milled rice .....	.....do	7,791	6,722	700	677	633	775	609	656	855	705	749	780	616			
Stocks, domestic, rough and cleaned (cleaned basis), end of period .....	.....mil. lb.	2,689	2,011	1,870	2,529	2,397	2,011	2,059	2,056	1,884	1,915	1,618	1,171	889			
Exports .....	.....thous. met. tons.	2,380	2,199	163	235	238	274	112.44	212	308	206	345	201	270	178		
Producer Price Index, medium grain, milled .....	.....1982=100	88.3	112.6	111.9	106.7	104.4	103.9	108.9	108.9	104.2	104.7	108.9</					

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BUSINESS STATISTICS: 1986

Units	Annual		1988					1989										
	1987	1988	Sept.	Oct.	Nov.	Dec.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																		
<b>GRAIN AND GRAIN PRODUCTS—Continued</b>																		
Wheat—Continued																		
Producer Price Indexes:																		
Hard red winter, No. 1, ord. protein (K.C.) 1982=100..	70.6	*90.8	101.7	105.3	103.6	105.2	110.1	108.0	114.6	108.3	115.0	111.2	107.3	106.6	105.2	105.6		
Hard red spring, No. 1, ord. protein (Minn.) 1982=100..	68.8	*93.1	104.0	106.2	102.7	103.3	111.5	108.9	113.4	109.4	114.6	107.5	106.1	106.9	106.1	106.2		
Wheat flour:																		
Production:																		
Flour.....thous. sacks (100 lb.)..	341,565	344,154	29,415	31,340	31,135	28,450	29,084	27,109	26,963	27,186	28,607	26,644	26,598	*32,334	29,827			
Millfeed.....thous. sh. tons..	6,280	6,163	533	555	563	554	518	479	480	482	505	480	497	*589	536			
Grindings of wheat.....thous. bu..	767,384	769,699	66,037	69,988	69,662	68,883	64,991	60,789	60,887	60,659	64,739	59,645	61,268	*74,073	68,375			
Stocks held by mills, end of period																		
thous. sacks (100 lb.)..	5,858	4,800	5,303			4,800		4,423										
Exports.....thous. met. tons..	1,196.00	960.80	31.30	109.40	65.60	135.70	*81.70	129.82	134.88	128.48	108.44	5,253	17.78	35.74	114.51	5,593		
Producer Price Index .....	...6/83=100..	89.7	102.0	110.0	110.5	109.0	109.1	110.7	110.0	112.4	109.5	112.0	*112.7	110.9	110.2	109.2	108.3	
POULTRY AND EGGS																		
Poultry:																		
Slaughter.....mil. lb..	19,886	20,520	*1,793	1,750	1,672	1,607	1,694	1,574	1,830	1,653	1,951	1,959	1,777	*2,089	1,862			
Stocks, cold storage (frozen), end of period .....	501	451	761	781	510	451	462	455	458	488	552	657	686	*769	781			
total.....mil. lb..	266	250	573	588	304	250	263	268	269	299	356	455	497	*569	574			
Turkeys.....do....																		
Price, in Georgia producing area,																		
live broilers.....\$ per lb..	.265	.315	.390	.385	.380	.385	.340	.330	.330	.375	.440	.410	.375	.355	.290			
Eggs:																		
Production on farms.....mil. cases \$..	198.2	199.0	15.5	16.2	15.8	16.2	15.9	14.4	16.0	15.4	15.8	15.2	15.6	15.5	15.1	15.7		
Stocks, cold storage, end of period:																		
Shell.....thous. cases \$..	43	9	23	24	26	9	12	7	16	18	26	27	12	17	6			
Frozen.....mil. lb..	17	20	22	20	18	20	19	15	16	15	16	15	16	14	16			
Price, wholesale, large (delivered; Chicago)																		
\$ per doz..	.579	.583	.714	.631	.622	.661	.678	.666	.910	.716	.698	.720	.718	.796	.772	.794		
LIVESTOCK																		
Cattle and calves:																		
Slaughter (federally inspected):																		
Calves.....thous. animals..	2,679	2,411	207	197	202	203	196	175	194	152	157	161	169	189	173	191		
Cattle.....do....	34,468	34,048	2,927	2,871	2,698	2,685	2,711	2,500	2,744	2,576	2,947	2,951	2,730	2,975	2,706	2,876		
Prices, wholesale:																		
Beef steers (Omaha).....\$ per 100 lb..	64.60	69.58	67.71	69.13	70.07	71.21	72.35	72.92	75.81	75.31	74.52	71.71	70.74	71.09	68.44	69.69		
Steers, stocker and feeder (Kansas City)																		
.....\$ per 100 lb..	71.32	80.50	79.89	82.99	81.31	80.99	82.02	82.91	80.98	78.58	78.25	79.08	81.64	84.54	83.56	81.24		
Calves, vealers (So. St. Paul) .....	78.92	*227.67	*202.44	213.75	230.88	225.63	230.25	225.06	237.50	266.25	260.06	258.44	246.88	263.00	258.75	244.38		
Hogs:																		
Slaughter (federally inspected).....thous. animals..	78,913	85,516	7,584	7,887	7,908	7,708	7,116	6,619	7,569	7,199	7,277	6,881	6,181	7,392	7,493	7,823		
Prices:																		
Wholesale, average, all weights (Sioux City).....\$ per 100 lb..	47.11	43.25	41.28	38.92	36.52	40.58	41.64	41.11	39.88	37.22	42.40	46.24	47.26	47.04	44.58	47.49		
Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog).....	33.6	19.9	15.7	15.0	14.4	15.7	15.7	15.2	14.4	16.1	17.9	18.6	20.2	*19.1	21.3			
Sheep and lambs:																		
Slaughter (federally inspected).....thous. animals..	5,042	5,122	452	437	418	447	418	415	505	398	435	423	398	476	440	468		
Price, wholesale, lambs, average (Omaha).....\$ per 100 lb..	75.77	60.71	58.35	60.44	61.90	64.75	66.25	66.88	69.50	74.50	73.75	68.56	65.73	63.31	56.67	53.33		
MEATS																		
Total meats (excluding lard):																		
Production.....mil. lb..	38,442	39,763	3,462	3,511	3,399	3,358	3,265	3,003	3,326	3,130	3,396	3,342	3,047	3,482	3,817	3,524		
Stocks, cold storage, end of period.....do....	623	716	644	664	701	716	745	762	749	767	735	686	654	579	*559	535		
Exports (meats and meat preparations).....thous. met. tons..																		
Imports (meats and meat preparations).....do....	915	1,081	99	102	103	105	*84	91	108	105	110	119	116	117				
Beef and veal:																		
Production, total.....mil. lb..	28,821	23,811	2,074	2,041	1,909	1,904	1,928	1,772	1,920	1,784	2,027	2,051	1,916	2,120	*1,940	2,072		
Stocks, cold storage, end of period.....do....	293	323	311	300	305	323	322	321	305	280	251	248	245	248	227			
Exports.....thous. met. tons..	394	443	44	45	46	40	*43	37	49	45	47	55	57	53				
Imports.....do....	725	753	53	48	50	34	*72	50	56	53	60	56	59	59				
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.) (Central U.S.).....\$ per lb..	.972	1.081	1.032	1.044	1.047	1.062	1.073	1.080	1.124	1.138	1.126	1.064	1.049	1.043	1.021	1.031		
Lamb and mutton:																		
Production, total.....mil. lb..	310	329	28	28	27	29	27	27	33	26	28	26	25	29	28	30		
Stocks, cold storage, end of period.....do....	8	6	7	6	6	6	7	6	7	6	8	8	8	7				
Pork (excluding lard):																		
Production, total.....mil. lb..	14,312	15,628	1,360	1,443	1,463	1,425	1,310	1,204	1,273	1,321	1,373	1,341	1,266	1,107	1,338	1,349	1,421	
Stocks, cold storage, end of period.....do....	285	358	288	321	361	358	381	397	394	438	431	388	347	281	*280	272		
Exports.....thous. met. tons..	70	147	12	15	15	14	*11	10	11	12	13	13	18	18	12			
Imports.....do....	461	439	33	34	32	34	*36	31	34	33	33	32	25	30				
Prices:																		
Producer Price Index, Hams, smoked 1982=100..	104.2	*96.2	94.5	98.4	99.1	100.2	(*)											
Fresh loins, 8-14 lb. average, wholesale (N.Y.).....\$ per lb..	1.265	1.188	1.215	1.071	.996	1.132	(*)											

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.

## FOOD AND KINDRED PRODUCTS; TOBACCO—Cont.

MISCELLANEOUS FOOD PRODUCTS—Cont.																	
Sugar:																	
Exports, raw and refined.....metric tons..	560,592	877,365	23,016	38,223	16,816	615,552	24,230	36,168	27,170	27,337	22,806	33,808	18,350	45,586			
Imports, raw and refined.....thous. met. tons ..	1,157	1,213	99	164	90	134	104	112	152	84	126	149	181	226			
Producer Price Indexes:																	
Raw (cane).....1982=100 ..	110.3	*111.9	111.6	110.7	110.2	112.0	111.0	111.9	112.3	112.3	113.8	115.4	118.5	118.3	119.0	117.8	
Refined.....do ..	106.4	*108.9	109.9	112.3	112.2	113.7	115.8	115.8	116.0	115.8	116.9	*117.6	118.1	118.5	121.1	120.6	
Tea, imports.....metric tons..	77,390	90,143	5,860	5,642	6,792	7,959	*6,610	5,966	8,290	7,170	7,193	7,124	7,394	6,790			
TOBACCO																	
Leaf:																	
Production (crop estimate).....mil. lb..	'1,191	'1,370															*1,466
Stocks, dealers' and manufacturers', end of period.....do ..	4,480	4,020	3,983				4,020										
Exports, incl. scrap and stems .....metric tons..	198,178	216,481	14,279	14,806	20,886	20,588	*25,916	25,393	22,177	19,356	14,701	11,696	6,990	10,684			
Imports, incl. scrap and stems .....do ..	222,197	196,429	20,404	16,088	12,218	5,248	*14,603	11,507	12,411	19,382	16,202	11,032	20,427	18,418			
Manufactured products:																	
Consumption (withdrawals):																	
Cigarettes (small):																	
Tax-exempt.....millions..	111,199	132,953	11,682	11,388	15,585	12,158	10,947	11,702	11,419	9,502	12,800	13,027	11,668				
Taxable.....do ..	577,008	543,378	51,941	46,871	56,264	39,548	46,915	41,936	51,723	44,351	52,858	51,549	26,757				
Cigars (large), taxable .....	2,676	2,430	237	208	200	189	164	164	209	174	241	246	158				
Exports, cigarettes.....do ..	100,246	118,499	10,557	10,501	10,214	11,146	*8,661	2,187	1,731	9,129	1,248	1,701	772	3,046			

## LEATHER AND PRODUCTS

LEATHER																	
Exports:																	
Upper and lining leather.....thous. sq. ft ..	194,152	215,358	21,022	22,556	15,885	22,519											
Producer Price Index, leather.....1982=100 ..	140.9	*167.5	168.8	170.7	166.0	164.9	166.6	169.4	170.2	168.2	166.7	*168.0	170.0	171.2	172.3	.174.0	
LEATHER MANUFACTURES																	
Footwear:																	
Production, total (.....thous. pairs..	*230,046	*235,141	*21,282	*21,218	*21,280	*17,623	18,070	18,455	19,590	16,606	18,725	*17,506	13,691	19,156			
Shoes, sandals, and play shoes, except athletic.....thous. pairs..	*165,184	162,507	*14,845	*14,406	*13,598	*12,324	12,428	(*)—	(*)—	(*)—	(*)—	11,538	9,183	12,402			
Slippers.....do ..	*50,281	*55,181	*4,688	*4,948	*5,879	*3,275	4,752	5,241	5,783	4,335	5,135	5,256	3,889	5,924			
Athletic.....do ..	*14,581	17,453	*1,749	*1,864	*1,803	*2,024	885	(*)—	(*)—	(*)—	(*)—	712	619	830			
Other footwear.....do ..	*3,341	*3,410	*369	*261	*269	*212	253	260	281	271	267	266	240	329			
Exports.....do ..	14,713	18,394	1,635	1,483	1,652	1,438											
Producer Price Indexes:																	
Men's leather upper, dress and casual 1982=100 ..	111.4	*121.3	123.2	123.1	123.5	124.6	125.2	125.8	126.0	125.1	125.0	125.0	125.3	129.0	130.6	130.9	
Women's leather upper.....do ..	107.2	*112.5	113.3	113.5	114.0	114.0	114.2	114.9	114.9	115.3	114.8	*114.5	116.2	118.4	118.1	118.2	
Women's plastic upper.....do ..	104.9	*107.5	107.7	105.9	108.4	109.4	110.5	110.0	110.0	109.8	109.9	110.3	110.8	109.1	110.0	109.2	

## LUMBER AND PRODUCTS

LUMBER—ALL TYPES #																	
National Forest Products Association:																	
Production, total.....mil. bd. ft ..	*249,395	*249,576	4,180	4,040	3,715	3,641	3,849	3,811	3,758	3,773	4,025	4,273	3,677				
Hardwoods.....do ..	*211,160	*211,446	1,003	778	747	690	768	713	687	829	864	799	671				
Softwoods.....do ..	*38,235	*38,180	3,177	3,262	2,968	2,951	3,081	2,598	3,071	2,944	3,161	3,474	3,006				
Shipments, total .....	*249,761	*249,184	4,088	3,871	3,656	3,649	3,914	3,417	3,877	3,846	4,163	4,420	3,754				
Hardwoods.....do ..	*211,460	*211,163	921	737	716	665	781	743	826	874	937	891	752				
Softwoods.....do ..	*38,301	*37,971	3,117	3,184	2,940	2,984	3,133	2,674	3,051	2,972	3,226	3,529	3,002				
Stocks (gross), mill, end of period, total .....	6,183																
Hardwoods.....do ..	1,412																
Softwoods.....do ..	4,840	4,999	4,823	4,951	4,979	4,999	4,896	4,818	4,837	4,810	4,740	4,746	4,748				
Exports, total sawmill products.....do ..	35,912	33,547	2,846	2,872	2,695	2,190	*6,026	5,036	5,868	5,405	5,432	5,301	4,205	6,479	5,146		
Imports, total sawmill products.....thous. m <sup>3</sup> ..																	
Douglas fir:																	
Orders, new.....mil. bd. ft ..	10,825	10,081	955	848	694	956	926	607	877	787	741	931	762	800	853		
Orders, unfilled, end of period.....do ..	548	636	622	611	548	636	694	617	659	626	592	583	565	540	538		
Production .....	10,854	10,029	897	897	782	886	834	621	797	759	793	948	778	806	815		
Shipments .....	10,445	9,943	882	859	757	868	868	684	835	770	775	940	780	825	810		
Stocks (gross), mill, end of period..	790	876	845	888	908	876	842	779	741	730	748	756	754	735	740		
Exports, total sawmill products.....thous. m <sup>3</sup> ..	1,614	2,202	198	196	184	201	*206	196	227	267	186	211	144	245	200		
Sawed timber .....	326	342	24	26	33	24	*50	23	28	29	22	24	11	33	28		
Boards, planks, scantlings, etc .....	1,288	1,860	175	170	151	177	*156	173	199	239	163	187	134	213	172		
Producer Price Index, Douglas fir, dressed 1982=100 ..	125.1	135.7	142.7	140.5	138.7	133.6	135.9	140.7	142.0	154.3	159.9	*163.0	167.8	162.4	161.3	158.1	

See footnotes at end of tables.

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>LUMBER AND PRODUCTS—Continued</b>																		
<b>SOFTWOODS—Continued</b>																		
Southern pine:																		
Orders, new.....	mil. bd. ft.	12,614	12,597	1,109	1,133	1,151	913	1,067	869	974	1,107	1,236	1,176	942				
Orders, unfilled, end of period.....	do	837	834	717	772	852	834	756	756	733	775	797	775	715				
Production.....	do	12,473	12,676	1,056	1,089	1,028	971	1,067	945	1,047	1,064	1,123	1,153	982				
Shipments.....	do	12,487	12,600	1,087	1,078	1,069	938	1,099	917	995	1,064	1,213	1,199	1,002				
Stocks (gross), mill and concentration yards, end of period.....	mil. bd. ft.	1,996	2,072	2,057	2,068	2,028	2,072	2,036	2,062	2,113	2,114	2,025	1,984	1,962				
Exports, total sawmill products.....	cu. meters	621,072	1,237,688	123,175	124,101	161,903	171,664	108,674	109,939	109,762	124,827	92,824	68,080	86,351	126,304	58,860		
Producer Price Index, southern pine, dressed.....	1982=100	114.1	112.4	101.6	102.9	108.5	109.5	110.0	109.7	107.9	106.1	104.5	108.8	113.1	107.3	105.5	112.1	
Western pine:																		
Orders, new.....	mil. bd. ft.	11,427	11,426	934	962	853	994	1,027	754	1,035	847	904	1,058	888	984	938		
Orders, unfilled, end of period.....	do	524	537	505	519	485	537	627	583	591	542	546	581	558	541	533		
Production.....	do	11,407	11,395	988	1,026	927	926	926	815	998	884	915	1,023	934	1,017	915		
Shipments.....	do	11,354	11,413	981	948	887	942	937	848	977	896	900	1,023	911	1,001	946		
Stocks (gross), mill, end of period..	do	1,365	1,347	1,245	1,323	1,363	1,847	1,386	1,303	1,319	1,307	1,322	1,345	1,361	1,330			
Producer Price Index, other softwood, dressed.....	1982=100	119.0	120.1	119.9	118.0	117.3	116.5	118.4	122.2	124.5	128.5	131.7	131.2	131.1	129.3	127.3	127.1	
<b>HARDWOOD FLOORING</b>																		
Oak:																		
Orders, unfilled, end of period.....	mil. bd. ft.	11.0	8.9	8.6	10.3	10.2	8.9	9.6	12.2	14.1	15.0	15.1	15.6	12.8	11.9	10.6		
Shipments.....	do	173.8	193.0	16.4	16.3	14.9	15.3	16.1	14.5	21.0	16.8	17.5	18.9	14.6	19.1	19.0		
Stocks (gross), mill, end of period..	do	8.7	10.9	10.5	10.9	11.3	10.9	10.6	12.0	10.4	9.8	10.5	11.0	8.9	9.8	8.8		
<b>METALS AND MANUFACTURES</b>																		
<b>IRON AND STEEL</b>																		
Exports:																		
Steel mill products.....thous. sh. tons..	1,129	2,069	207	244	243	437	257	237	606	334	355	403	303	461				
Scrap.....do	10,367	10,098	935	579	806	964	1,887	768	1,106	785	1,126	1,260	1,101	1,233				
Pig iron.....do	50	71	17	2	1	1	(*)—	(*)—	1	1	1	1	1	1				
Imports:																		
Steel mill products.....do	20,414	20,891	1,648	1,553	1,846	1,420	1,784	1,336	1,216	1,341	1,472	1,549	1,458	1,531				
Scrap.....do	843	1,083	136	94	124	77	129	91	78	138	101	114	72	74				
Pig iron.....do	355	700	25	99	74	16	18	36	11	93	55	33	45	40				
<b>Iron and Steel Scrap</b>																		
Production.....thous. sh. tons..	24,730	27,601	2,296	2,353	2,294	2,221	2,275	2,182	2,324	2,258	2,297	2,176	1,871	2,007				
Receipts, net.....do	46,105	49,946	4,256	4,390	4,085	3,743	4,032	4,092	4,360	4,175	4,086	4,019	3,645	3,638				
Consumption.....do	69,615	76,904	6,553	6,606	6,836	6,044	6,563	6,189	6,699	6,557	6,526	6,216	5,647	5,815				
Stocks, end of period.....do	4,821	4,552	4,640	4,779	4,828	4,552	4,634	4,724	4,736	4,725	4,572	4,623	4,456	4,439				
Composite price, No. 1 heavy melting scrap: American Metal Market * \$ per long ton..	85.76	108.98	110.67	110.81	109.17	107.28	113.90	116.07	112.52	112.20	113.09	111.67	107.33	104.86	102.62			
<b>Ore</b>																		
Iron ore (operations in all U.S. districts):																		
Mine production.....thous. met. tons..	47,566	57,347	4,821	4,910	4,705	4,793	5,4890	4,228	4,841	4,426	5,325	5,195	5,357	4,876				
Shipments from mines.....do	47,900	56,694	5,527	5,550	4,890	5,658	5,2155	1,158	1,817	5,418	6,243	6,495	6,289	6,220				
Imports.....do	16,867	20,126	2,537	1,482	1,442	1,811	3,814	1,384	1,249	1,599	2,284	2,176	2,032					
U.S. and foreign ores and ore agglomerates:																		
Receipts at iron and steel plants.....thous. met. tons..	59,534	73,216	6,907	6,673	6,348	7,166	5,4162	3,295	3,903	5,996	7,331	6,850	7,178	7,342	6,699			
Consumption at iron and steel plants.....do	61,048	71,863	5,821	6,010	5,696	5,965	5,687	5,981	6,662	6,677	6,230	6,216	6,045	5,737	5,764			
Exports (domestic).....do	6,219	5,286	364	573	484	798	344	2	3	606	605	780	393					
Stocks, total, end of period.....do	21,279	28,490	22,928	22,855	23,212	23,490	23,189	23,252	22,685	21,145	21,670	21,544	22,286	22,275				
At mines.....do	2,297	3,296	5,373	4,356	4,171	3,296	3,029	9,099	12,123	11,181	10,213	8,949	8,008	6,664				
At furnace yards.....do	16,565	18,004	15,454	16,175	16,886	18,004	15,435	12,749	9,991	9,310	10,396	11,002	12,239	13,844	14,780			
At U.S. docks.....do	2,056	2,190	2,101	2,325	2,155	2,190	1,725	1,404	571	704	1,061	1,593	2,039	1,767	1,804			
Manganese (manganese content), general imports.....do	814	1,128	83	78	112	119	(*)—											
<b>Pig Iron and Iron Products</b>																		
Pig iron:																		
Production (including production of ferroalloys).....thous. sh. tons..	48,410	55,745	4,612	4,646	4,455	4,712	4,964	4,654	5,112	4,990	4,917	4,707	4,604	4,172	4,408	4,692		
Consumption .....	50,030	59,047	4,759	4,766	4,611	4,874	5,203	4,882	5,348	5,063	5,012	4,792	4,391					
Stocks, end of period.....do	281	207	241	242	236	206	268	281	264	269	278	264	247					
Castings, gray and ductile iron:																		
Shipments, total.....thous. sh. tons..	8,606	8,514	744	805	701	605	682	623	714	696	743	649	712	630				
For sale .....	6,002	5,717	504	516	500	412	448	437	452	485	542	468	396	468				
Castings, malleable iron:																		
Shipments, total.....do	318	364	31	31	28	28	28	25	30	24	27	25	16	25				
For sale .....	168	192	16	15	10	14	13	14	13	14	12	11	17	13				

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			1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>METALS AND MANUFACTURES—Continued</b>																	
<b>Steel, Raw and Semifinished</b>																	
Steel (raw):																	
Production.....	thous. sh. tons..	189,151	199,924	8,237	8,332	7,883	7,954	8,729	8,022	8,997	8,738	8,633	8,171	7,955	7,790	7,617	8,175
Rate of capability utilization .....	percent..	79.5	89.2	90.1	87.7	85.8	83.8	88.2	89.8	90.9	92.2	88.1	86.2	80.8	79.2	80.0	83.0
Steel castings:																	
Shipments, total.....	thous. sh. tons..	830	1,018	99	94	92	95	94	87	112	101	111	101	784	99		
For sale, total.....	do	797	997	98	93	91	94	98	86	110	100	110	100	783	97		
<b>Steel Mill Products</b>																	
Steel products, net shipments:																	
Total (all grades).....	thous. sh. tons..	76,654	183,840	6,922	6,912	6,712	6,738	7,278	6,832	7,824	7,164	7,446	7,331	6,387	7,224		
By product:																	
Semifinished products.....	do	1,5456	1,975	486	490	453	468	550	507	535	520	541	532	458	505		
Structural shapes (heavy),																	
steel piling.....	do	5,120	15,209	453	422	411	508	504	451	494	470	474	459	392	433		
Plates.....	do	4,048	17,328	627	577	548	387	601	570	661	629	645	601	661			
Rails and accessories.....	do	515	1,615	45	39	42	36	44	49	60	53	50	51	46	39		
Bars and tool steel, total.....	do	13,575	14,489	1,167	1,203	1,185	1,121	1,326	1,177	1,294	1,205	1,236	1,168	1,109	1,263		
Bars: Hot rolled (including light shapes).....	do	7,238	17,834	637	657	664	598	736	626	689	667	678	614	561	632		
Bars: Reinforcing.....	do	4,918	5,092	411	424	404	418	443	421	461	407	425	427	442	508		
Bars: Cold finished.....	do	1,361	1,499	113	116	111	105	142	125	137	125	127	121	101	118		
Pipe and tubing.....	do	3,570	4,443	319	321	291	302	302	280	362	322	354	370	324	388		
Wire-drawn and/or rolled.....	do	1,105	1,073	87	92	88	87	87	86	97	97	95	95	80	83		
Tin mill products.....	do	3,988	4,069	322	323	321	489	258	278	356	323	363	372	328	366		
Sheets and strip (including electrical),																	
total.....	do	39,279	40,639	3,416	3,445	3,384	3,360	3,577	3,433	3,965	3,544	3,701	3,638	3,047	3,485		
Sheets: Hot rolled.....	do	13,048	12,589	1,044	1,032	1,042	1,099	1,025	1,087	1,265	1,090	1,096	1,088	918	1,098		
Sheets: Cold rolled.....	do	13,859	13,871	1,149	1,159	1,129	1,072	1,217	1,137	1,326	1,192	1,301	1,270	1,066	1,163		
By market (quarterly):																	
Service centers and distributors.....	do	18,629	18,980	4,537				4,197				4,720		4,817	*2,499	*1,552	
Construction, incl. maintenance.....	do	5,619	6,014	1,460				1,398				1,395		1,749	*573	*595	
Contractors' products.....	do	2,701	2,815	691				681				678		740	*239	*256	
Automotive.....	do	11,135	12,078	2,901				3,046				3,235		3,020	*676	*936	
Rail transportation.....	do	734	1,116	176				270				296		306	*93	*95	
Machinery, industrial equip., tools.....	do	2,096	2,597	598				601				617		575	*154	*185	
Containers, packaging, ship. materials.....	do	4,371	4,428	1,121				1,163				1,016		1,189	*367	*399	
Other.....	do	31,387	36,011	8,790				8,944				9,704		9,695	*2,786	*3,206	
Producing steel mills, inventory, end of period:																	
Total.....	mil. sh. tons..	11.8	13.1	12.9	13.0	13.1	13.1	13.1	13.1	13.0	13.4	13.3	13.2	13.6	13.8		
Steel in process.....	do	6.7	7.9	7.7	7.8	7.8	7.9	7.9	7.8	7.7	7.9	7.8	7.8	8.0	7.8		
Finished steel.....	do	4.6	5.2	5.2	5.2	5.8	5.2	5.2	5.3	5.3	5.5	5.5	5.4	5.6	5.5		
Steel service centers (warehouses), inventory, end of period.....	mil. sh. tons..	6.4	6.5	6.9	6.7	6.6	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.0		
<b>NONFERROUS METALS AND PRODUCTS</b>																	
<b>Aluminum:</b>																	
Production, primary (dom. and foreign ores) thous. met. tons..		3,843	3,944	327	339	332	344	346	312	347	334	347	335	346	341		
Recovery from scrap.....	do	1,986	2,122	167	177	163	156	167	157	182	174	176	177	161	159		
Imports:																	
Metal and alloys, crude.....	do	1,250.1	1,030.6	492.4	481.9	482.0	455.0	399.4	78.6	83.3	92.4	75.5	73.9	71.8			
Plates, sheets, bars, etc.....	do	410.3	388.5	298.8	297.8	285.5	269.8	35.6	24.4	31.6	30.9	30.4	32.0	27.3			
Exports:																	
Metal and alloys, crude.....	do	1281.1	400.1	39.0	25.7	47.5	41.3	51.3	34.8	41.8	40.2	33.3	34.1	44.6	46.2		
Plates, sheets, bars, etc.....	do	258.1	342.5	32.0	31.0	24.0	31.5	20.7	35.8	43.1	33.7	60.4	37.4	35.1			
Price, U.S. market, 99.7% purity, monthly average.....	\$ per lb..	.7230	1.1009	1.1138	1.0472	1.0735	1.1000	1.0772	.9958	.9578	.9638	.9780	.8766	.8040	.8137	.7830	.7976
<b>Aluminum products:</b>																	
Shipments:																	
Ingot and mill prod. (net ship.).....	mil. lb..	15,584	15,453	1,334	1,293	1,322	1,155	1,280	1,249	1,440	1,267	1,362	1,399	1,251	1,348		
Mill products, total.....	do	12,234	12,273	1,061	1,029	979	911	1,010	1,013	1,206	1,067	1,120	1,116	1,019	1,095		
Sheet and plate.....	do	7,379	7,834	636	604	577	566	681	774	630	657	702	696	641	687		
Casting.....	do	2,220	2,325	199	210	209	178	231	220	234	218	229	206	135	198		
Inventories, total (ingot, mill products, and scrap), end of period.....	mil. lb..	4,175	4,151	4,175	4,134	4,119	4,151	4,189	4,163	4,160	4,246	4,262	4,275	*4,474	*4,370		
<b>Copper:</b>																	
Production:																	
Mine, recoverable copper.....	thous. met. tons..	1,255.9	1,419.6	120.1	123.8	121.1	124.8	126.4	120.7	133.8	125.1	127.1	121.8	122.0	126.8		
Refined from primary materials.....	do	1,146.1	1,406.0	112.2	120.3	123.3	121.0	121.0	114.1	125.3	115.4	130.3	125.3	120.0	128.0		
Electrolytically refined:																	
From domestic ores @.....	do	988.1	1,178.0	91.9	98.9	102.8	102.2	99.4	94.3	102.4	92.3	105.8	102.2	97.0	103.3		
From foreign ores.....	do																
Electrowon.....	do	158.0	228.0	20.3	21.4	21.0	21.7	21.6	19.8	22.9	23.1	24.5	23.1	28.0	24.7		
Refined from scrap.....	do	414.7	453.3	42.3	37.0	37.5	40.2	37.4	40.8	47.0	40.1	41.7	42.8	37.9	42.7		
Imports, unmanufactured:																	
Refined, unrefined,																	
scrap (copper cont.).....	do	657.3	626.1	42.4	62.1	59.4	44.0	40.8	33.0	25.0	35.9	35.9	32.6	2			

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in *Business Structures, 1986*.

Unless otherwise stated in footnotes below, data that are current and methodology used are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988				1989							
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.

## METALS AND MANUFACTURES—Continued

NONFERROUS METALS AND PRODUCTS—Continued																	
Copper-base mill and foundry products, shipments (quarterly total):																	
Brass mill products.....	.mil. lb.	2,624															
Copper wire mill products (copper content).....	do	1,922															
Brass and bronze foundry products.....	do	528															
Lead:																	
Production:																	
Mine, recoverable lead.....thous. met. tons.	311.3	1,985.0	33.1	34.4	31.1	31.8	33.3	31.0	34.4	33.2	33.8	36.1	33.2	33.4			
Recovered from scrap (lead cont.).....do	710.2	1,737.0	60.7	61.8	61.6	59.7	62.1	58.6	67.5	64.1	65.3	66.3	61.6	65.9			
Imports, ore (lead content).....do	240.3	256.6	23.8	21.3	23.5	19.1	17.2	8.6	7.8	6.5	9.8	10.4	9.0				
Consumption, total.....do	1,230.4	1,230.7	103.0	110.6	108.4	95.1	104.7	98.3	101.2	99.2	101.3	101.6	105.2	105.3			
Stocks, end of period:																	
Producers', ore, base bullion, and in process (lead content), ABMS.....thous. met. tons.	59.2	66.9	79.9	70.8	68.7	66.9	60.1	55.2	57.8	54.9	63.6	67.3	73.2	77.8	73.7	83.0	
Refiners' (primary), refined and antimonial (lead content).....thous. met. tons.	21.6	15.4	4.6	10.6	11.9	15.4	26.0	33.0	39.1	37.5	29.7	29.0	31.4	27.9			
Consumers' (lead content) ◊.....do	83.6	76.7	62.2	59.4	60.7	67.6	68.4	68.1	72.1	68.3	66.5	65.0	65.9	63.9			
Scrap (lead-base, purchased), all smelters (gross weight).....thous. met. tons.	24.0	19.9	23.7	21.8	19.6	19.9	17.7	16.8	17.3	15.3	13.2	14.3	16.0	17.7			
Price, common grade, delivered @ @ \$ per lb.	3594	3714	3841	3915	4138	4202	4017	3701	3507	3502	3634	3915	4029	4175			
Tin:																	
Imports (for consumption):																	
Ore (tin content).....metric tons	2,967	2,837	1,105	443		130	( <sup>3</sup> )	149									
Metal, unwrought, unalloyed.....do	41,151	43,493	3,249	4,372	4,328	3,695	3,614	2,114	2,839	2,490	2,610	2,372	2,883				
Recovery from scrap, total (tin cont.).....do	16,159	15,088	712	821	703	561	598	649	686	627	650	621	7526	634			
As metal.....do	1,353	1,578	96	96	96		11	47		47							
Consumption, total.....do	144,219	145,073	5,500	5,600	4,900	4,900	4,800	4,700	4,300	4,500	4,500	4,100	4,000	4,200			
Primary.....do	35,620	37,008	4,400	4,500	3,800	3,800	3,700	3,700	3,300	3,400	3,100	2,900	3,200				
Exports (metal).....do	1,701	1,573	171	197	94	45	362	162	204	41	47	98	25				
Stocks, pig (industrial), end of period.....do	4,428	4,943	4,171	4,371	4,781	4,943	4,242	3,894	4,820	3,717	4,945	4,912	5,597	5,825			
Price, Straits quality (delivered).....\$ per lb.	4,1878	4,4142	4,6305	4,5462	4,5767	4,6029	4,6435	4,9165	5,4309	6,4213	6,2118	6,0796	5,6910	5,1789			
Zinc:																	
Mine prod., recoverable zinc.....thous. met. tons.	1,216.3	1,244.3	19.9	19.9	19.9	19.3	22.2	20.8	22.9	22.4	23.4	24.3	20.8	23.9			
Imports:																	
Ores (zinc content).....do	425.5	405.7	35.1	30.8	32.3	27.9	( <sup>3</sup> )	1.1	2.2	1.5	3.1	8.4	.9				
Metal (slab, blocks).....do	705.9	740.8	61.2	63.9	64.2	47.4	74.7	52.6	60.9	58.1	62.1	70.5	46.0				
Consumption (recoverable zinc content):																	
Ores.....do	12.5	2.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2			
Scrap, all types.....do	1,269.3	1,258.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.6	20.6	20.6			
Slab zinc:																	
Production, total †.....thous. met. tons.	220.5	194.4	15.1	15.9	17.6	14.7	17.8	16.3	17.6	16.8	17.7	16.1	16.2	18.6	16.8	17.1	
Consumption, fabricators.....do	1,052.0	1,089.0	100.0	97.5	87.2	88.1	90.0	81.4	96.0	81.6	97.0	82.1	76.1	80.0			
Exports.....do	1.1	.5	.2	.1	( <sup>3</sup> )	( <sup>3</sup> )	.2	.3	.4	.1	.9	.6					
Stocks, end of period:																	
Producers', at smelter (ABMS).....do	7.0	5.6	9.4	6.3	5.4	5.6	5.0	4.0	3.3	3.8	4.1	3.6	3.9	4.8	3.8	4.1	
Consumers'.....do	57.1	64.8	49.4	47.0	48.8	64.8	50.5	54.2	50.4	48.3	48.8	50.2	51.8	47.9			
Price, high grade.....\$ per lb.	4192	.6020	.6826	.6945	.7125	.7344	.7927	.8770	.9371	.8852	.8464	.8059	.7967	.8132	.8108		
MACHINERY AND EQUIPMENT																	
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly # .....	.mil. \$.	1368.3	390.2	118.5		104.7		107.2					110.0				
Electric processing heating equipment.....do	54.9	62.7	14.2		14.6		24.1						25.6				
Fuel-fired processing heating equip.....do	171.1	165.5	58.9		46.2		37.8						41.3				
Materials handling equipment, dollar value bookings index.....1982=100 .....	207.1	213.4	211.3	273.6	237.8	252.6	181.8	160.9	221.0	171.5	169.8	180.5					
Industrial supplies, machinery, and equipment: New orders index, seas. adj. ....1977=100 .....	128.7	138.2	134.9	141.0	142.7	146.5	156.6	159.0	156.4	153.0	147.3	142.0	141.3	147.1	157.9		
Industrial suppliers distribution: Sales index, seas. adj. ....1977=100 .....	149.1	164.0	179.7	170.1	166.7	167.6	177.2	175.7	175.6	196.3	193.1	183.2	175.5	197.5	192.8	175.0	
Inflation index, not seas. adj. (tools, material handling equip., valves, fittings, abrasives, fasteners, metal products, etc.)....1977=100 .....	166.6	172.2	173.9	174.2	174.8	176.0	177.6	178.3	179.5	180.1	181.0	182.1	182.8	183.1	184.3	184.1	
Fluid power products shipments indexes: Hydraulic products.....1985=100 .....	107	129	132	134	125	132	140	141	158	151	150	148	130	147	138		
Pneumatic products.....do.....	105	120	124	125	118	114	130	128	150	129	148	144	123	141	127		
Machine tools:																	
Metal cutting type tools:																	
Orders, new (net), total.....mil. \$.	1,451.45	2,707.90	266.50	215.40	188.35	246.40	167.00	214.95	220.60	152.80	147.90	158.85	133.20	156.25	192.45	144.9	
Domestic.....do	1,294.45	2,315.75	252.95	199.25	164.60	191.50	145.40	191.30	200.20	183.50	180.10	123.05	112.00	120.70	174.50	185.7	
Shipments, total.....do	1,676.50	1,574.55	151.20	145.90	170.80	209.35	102.85	151.25	227.45	184.05	158.40	235.70	175.60	169.00	229.50	188.5	
Domestic.....do	1,498.85	1,400.10	133.50	123.35	156.70	186.40	89.50	135.90	207.25	168.35	145.40	199.95	155.45	147.20	188.75	161.9	
Order backlog, end of period.....do	672.2	1,805.5	1,681.4	1,751.0	1,763.5	1,805.5	1,869.7	1,938.4	1,926.6	1,895.3	1,884.83	1,808.0	1,765.6	1,751.9	1,715.8	1,677.	
Metal forming type tools:																	
Orders, new (net), total.....do	667.35	882.95	61.70	46.85	90.65	70.05	63.85	67.00	69.90	89.75	57.35	81.85	57.55	70.85	110.15	60.1	
Domestic.....do	536.05	749.35	51.65	40.00	66.25	60.20	56.60	57.05	58.20	76.40	49.85	72.85	43.85	70.45	105.00	47.0	
Shipments, total.....do	647.15	824.55	76.35	66.25	86.75	83.20	49.35	77.55	79.20	65.50	82.35	91.85	62.10	55.90	53.50	68.0	
Domestic.....do	537.90	702.20	65.70	55.30	80.15	64.30	42.20	66.40	67.00	58.80	74.10	70.10	50.55	49.75	44.45	55.8	
Order backlog, end of period.....do	327.3	385.7	414.4	395.0	398.5	385.7	400.2	389.6	380.4	404.6	379.6	365.0	380.0	436.6	428.3		

See footnotes at end of tables

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units

	Annual		1988				1989										
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	

**METALS AND MANUFACTURES—Continued**

<b>MACHINERY AND EQUIPMENT—Continued</b>																	
Tractors used in construction, shipments, qtrly:																	
Tracklaying (ex. shovel loaders).....units..	9,668	12,117	2,835			3,823				2,720							
mil. \$ ..	973.8	1,167.1	282.6			277.9				299.9							
Wheel (contractors' off-highway).....units..	5,482	5,110	1,376			1,172				1,167							
mil. \$ ..	415.5	416.1	115.2			95.6				89.8							
Shovel loaders.....units..	62,825	61,938	14,944			14,544				15,107							
mil. \$ ..	1,819.5	2,092.1	503.1			525.8				539.6							
<b>ELECTRICAL EQUIPMENT</b>																	
Batteries (auto-type replacement), shipments.....thous ..	59,878	63,487	6,757	6,463	6,041	6,245	4,674	4,203	4,754	4,172	4,656	4,982	4,827	6,295	6,357		
Radio sets, production, total market #,.....thous ..	28,110	23,623	2,493	2,670	2,834	1,940	1,688	1,518	1,752	1,927	1,985	2,140	2,169	2,712	2,454		
Television sets (incl. combination models), production, total market #,.....thous ..	23,497	20,170	2,567	1,953	1,888	2,329	1,649	1,846	2,254	2,018	1,994	2,431	1,461	2,071	2,520		
Household major appliances, industry shipments # .....	49,981	47,070	3,963	3,975	3,983	3,679	3,947	3,916	4,444	3,868	4,326	4,389	3,505	3,882	3,971	3,884	
Air conditioners (room).....do .....	3,798	3,637	111	129	126	215	352	546	846	718	748	718	365	148	170	97	
Dishwashers.....do .....	4,032	3,907	335	336	355	318	326	293	324	275	292	324	257	319	303	338	
Disposers (food waste).....do .....	7,439	4,233	369	387	381	343	391	380	414	335	336	331	285	363	434	426	
Microwave ovens/ranges.....do .....	12,610	10,988	1,031	1,123	1,224	1,161	1,054	963	906	824	907	788	761	956	1,075	958	
Ranges .....	3,346	3,202	270	302	287	262	245	225	273	226	263	218	276	258	275		
Refrigerators .....	6,972	7,227	686	625	597	467	466	460	564	526	686	795	660	687	627	614	
Freezers .....	1,260	1,349	128	110	99	94	98	94	90	93	111	116	129	144	123	95	
Washers .....	5,998	6,190	584	533	508	440	553	510	539	457	533	572	437	524	545	582	
Dryers, including gas .....	4,637	4,601	437	413	401	363	436	394	385	323	374	389	305	377	410	432	
Vacuum cleaners (qtrly.) .....	10,417	10,652	2,882			2,550			2,952			2,545			3,224		
<b>GAS EQUIPMENT (RESIDENTIAL)</b>																	
Furnaces, warm air, shipments .....	2,073	2,092	254	252	223	177	178	148	185	132	142	168	186	216	245		
Ranges, total, shipments .....	2,143	2,167	187	209	203	191	158	156	194	163	182	185	149	191	181	200	
Water heaters (storage), automatic, shipments .....	3,951	3,956	321	381	307	388	337	328	375	354	324	345	303	295	308		

**PETROLEUM, COAL, AND PRODUCTS**

<b>COAL</b>																	
Anthracite:																	
Production †.....thous. sh. tons..	3,560	3,555	324	388	310	260	281	282	337	273	280	256	211	334	322	373	
Exports .....	1,071	817	177	94	50	87	259	11	50	70	82	110	55	14			
Producer Price Index .....1982=100 ..	100.1	101.2	100.8	100.9	102.3	103.2	103.3	103.3	103.5	103.1	103.0	103.0	103.0	103.2	103.2	103.5	
Bituminous and lignite:																	
Production †.....thous. sh. tons..	915,202	946,711	83,272	80,553	82,973	80,324	81,969	75,040	88,981	77,238	82,486	78,544	64,881	89,074	83,045	87,657	
Consumption, total † .....	884,387	880,242	71,221	70,009	69,742	77,792	77,101	73,012	72,550								
Electric power utilities .....	716,922	756,459	61,460	59,446	59,192	66,775	62,588	61,830	55,837	58,261							
Industrial, total .....	111,696	117,730	9,416	10,207	10,076	10,255	10,199	9,874	10,277								
Coke plants (oven and beehive) .....	36,920	41,866	8,457	3,545	3,399	3,564	3,562	3,290	3,716								
Residential and commercial .....	5,719	6,054	345	356	474	762	547	599	443								
Stocks, end of period, total † .....	178,485	151,446	147,691	151,931	154,919	151,446	146,462	141,366	142,600								
Electric power utilities .....	163,857	139,583	136,229	140,386	143,190	139,583	135,188	130,641	132,444	138,130	144,417						
Industrial, total .....	14,628	11,863	11,462	11,595	11,729	11,863	11,294	10,724	10,155								
Oven-coke plants .....	3,879	3,125	2,868	2,953	3,039	3,125	3,254	3,382	3,511								
Exports excluding lignite.....thous. met. tons..	70,438	85,282	8,948	8,072	7,476	8,089	2,659	6,106	7,542	8,186	8,701	8,648	5,577	7,351			
Producer Price Index .....1982=100 ..	97.1	95.3	95.4	95.5	94.6	94.6	94.1	93.5	94.1	94.5	94.8	96.3	96.4	96.9			
<b>COKE</b>																	
Production:																	
Beehive end oven (byproduct).....thous. sh. tons..	28,037	32,405	8,195			8,251			8,006								
Petroleum coke § .....	37,380	39,811	3,205	3,281	3,347	3,462	3,505	2,931	3,201	3,200	3,337	3,406	3,509	3,447			
Stocks, end of period:																	
Oven-coke plants, total .....	1,064	1,583	1,271			1,583			1,167								
At furnace plants .....	846	1,420	1,107			1,420			1,052								
At merchant plants .....	218	163	164			163			115								
Petroleum coke †† .....	1,350	1,558	1,450	1,612	1,657	1,558	1,588	1,669	1,655	1,931	2,036	1,813	1,756	1,642			
Exports.....thous. met. tons..	590	1,011	84	41	181	167	252	30	76	60	115	115	100	63			
<b>PETROLEUM AND PRODUCTS</b>																	
Crude petroleum:																	
Producer Price Index .....1982=100 ..	55.5	46.2	42.6	39.3	39.2	44.3	49.7	50.3	53.9	58.9	59.5	58.3	59.9	53.6	56.3	57.6	
Gross input to crude oil distillation units †† .....	4,746.1	4,921.6	400.7	412.4	400.6	420.2	418.8	364.3	407.9	393.9	420.4	421.6	432.6	434.7			
Refinery operating ratio †† .....	83	84	84	83	84	85	86	83	84	84	86	90	89	89			
All oils, supply, demand, and stocks: ††																	
Production:																	
Crude petroleum .....	3,047.4	2,979.1	236.8	248.7	240.7	246.2	245.3	219.2	235.9	232.4	242.0	229.8	231.7	235.3			
Natural gas plant liquids .....	605.6	614.2	50.4	53.1	51.8	52.7	53.5	45.9	52.7	51.5	51.9	46.6	50.6	48.4			
Imports:																	
Crude and unfinished oils .....	1,837.3																

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>PETROLEUM, COAL, AND PRODUCTS—Continued</b>																	
<b>PETROLEUM AND PRODUCTS t—Continued</b>																	
All oils, supply, demand, and stocks—Continued																	
Domestic product demand, total # ..... mil. bbl..		6,082.7	6,325.7	512.1	545.0	528.6	569.3	533.6	497.4	555.1	496.8	511.1	521.7	508.7	536.5		
Gasoline.....do.....		2,639.1	2,694.8	223.0	226.2	222.0	228.3	209.4	199.1	230.8	215.4	230.7	234.9	227.7	240.2		
Kerosene.....do.....		34.5	35.2	2.4	2.7	3.5	4.8	4.4	3.6	2.6	2.0	1.6	2.0	1.5	1.3		
Distillate fuel oil.....do.....		1,086.4	1,142.5	84.6	99.8	95.5	110.4	102.2	95.5	106.3	89.2	91.7	89.9	80.3	92.1		
Residual fuel oil.....do.....		461.5	504.3	36.9	41.6	45.1	54.4	49.5	47.1	47.6	42.6	34.2	35.5	39.9	34.2		
Jet fuel.....do.....		505.5	530.2	42.7	46.2	43.2	47.8	46.2	42.8	45.8	41.2	41.2	44.6	44.1	45.8		
Lubricants.....do.....		58.7	56.6	4.9	4.7	4.8	3.6	4.3	4.3	5.7	4.6	5.7	5.0	4.0	4.9		
Asphalt.....do.....		170.3	171.2	21.3	18.0	12.1	7.0	4.3	5.6	7.1	10.8	15.5	18.6	21.4	24.9		
Liquefied petroleum gases.....do.....		588.3	606.1	50.9	54.6	53.5	62.3	63.6	57.1	56.2	45.2	42.0	42.5	41.8	44.4		
Stocks, end of period, total .....		1,607.5	1,597.2	1,628.4	1,630.4	1,631.3	1,597.2	1,619.5	1,601.6	1,569.5	1,595.9	1,622.4	1,607.7	1,647.9	1,654.4		
Crude petroleum.....do.....		889.6	889.9	883.2	895.6	895.7	889.9	894.8	896.6	892.5	907.4	915.7	902.8	906.4	916.2		
Strategic petroleum reserve.....do.....		540.6	559.5	554.7	556.0	558.7	559.5	561.5	563.9	566.2	568.0	570.4	571.7	574.4	575.4		
Unfinished oils, natural gaso- line, etc. ....do.....		188.3	145.8	158.3	156.1	158.3	145.8	151.8	154.8	156.2	158.0	163.0	160.3	157.5	155.7		
Refined products.....do.....		579.5	561.6	586.9	578.7	577.3	561.6	572.9	550.1	530.5	543.8	544.7	584.0	582.5			
Refined petroleum products:																	
Gasoline (incl. aviation):																	
Production.....do.....		2,506.2	2,555.2	209.3	213.4	212.4	227.2	215.6	186.7	205.7	205.2	215.8	219.6	228.9	222.9		
Stocks, end of period .....		191.1	192.0	184.6	182.3	185.8	192.0	207.8	205.7	191.1	190.6	185.8	180.4	192.2	184.2		
Prices, regular grade (excl. aviation):																	
Producer Price Index.....1982=100 ..		59.5	58.2	58.1	56.6	59.6	55.1	55.3	57.4	60.6	74.5	80.1	78.0	74.7	64.6	67.1	67.3
Retail, U.S. city average (BLS):																	
Leaded.....\$ per gal ..		.897	.900	.933	.910	.904	.885	.876	.886	.907	1,047	1,098	1,093	1,075	1,034	1,007	1,001
Unleaded.....do.....		.948	.946	.974	.957	.949	.930	.918	.926	.940	1,065	1,119	1,114	1,092	1,057	1,029	1,027
Aviation gasoline:																	
Production ..... mil. bbl..		9.1	9.3	.8	.8	.6	.8	.6	.6	.7	.6	.9	.9	.9	1.0		
Stocks, end of period .....		2.3	2.1	1.9	1.9	1.9	2.1	2.0	2.2	2.1	1.8	1.8	2.0	2.0	1.8		
Kerosene:																	
Production.....do.....		28.7	28.8	24	25	30	31	34	20	24	20	14	21	17	17		
Stocks, end of period .....		8.4	7.3	7.5	8.0	8.1	7.3	7.3	5.9	5.7	5.8	5.7	6.0	6.5			
Producer Price Index (light distillate).....1982=100 ..		54.1	51.6	49.2	46.9	48.4	50.4	54.6	54.8	55.7	58.3	58.3	55.4	54.7	55.5	58.1	60.9
Distillate fuel oil:																	
Production ..... mil. bbl..		996.6	1,046.3	83.3	87.6	87.3	95.1	92.2	78.4	84.1	83.6	85.2	84.3	88.2	90.1		
Imports.....do.....		98.2	110.4	9.2	10.4	9.8	12.7	10.2	9.0	18.6	9.0	9.0	7.0	10.4	7.9		
Stocks, end of period .....		134.5	123.5	131.5	128.2	128.3	123.5	120.3	107.5	96.6	98.4	99.3	99.4	115.4	116.1		
Producer Price Index (middle distillate).....1982=100 ..		55.5	49.5	45.9	42.3	47.2	50.6	54.9	54.0	57.3	61.5	57.5	53.3	52.7	53.4	59.3	64.0
Residual fuel oil:																	
Production ..... mil. bbl..		323.2	338.7	25.5	26.4	27.5	33.1	29.4	26.0	29.0	27.1	28.9	28.5	26.6	27.9		
Imports.....do.....		206.1	235.9	20.9	18.7	23.5	30.2	27.2	24.2	21.8	20.4	16.3	15.4	16.9	14.8		
Stocks, end of period .....		47.4	44.6	44.6	42.5	44.0	44.6	47.0	46.0	42.4	40.2	42.6	44.8	43.0	44.5		
Producer Price Index.....1982=100 ..		53.1	41.1	40.4	38.8	36.5	40.0	42.1	43.7	43.5	47.3	49.4	51.2	49.4	48.5	46.8	48.2
Jet fuel:																	
Production ..... mil. bbl..		490.1	501.3	41.2	42.4	40.1	45.8	46.6	39.4	43.3	38.1	38.7	40.5	43.7	44.6		
Stocks, end of period .....		49.9	43.8	46.6	47.1	46.1	43.8	44.5	43.7	44.0	44.2	45.4	44.6	47.4	48.3		
Lubricants:																	
Production.....do.....		60.9	62.3	4.8	5.2	5.0	5.0	5.4	4.6	5.2	4.6	5.3	5.0	5.6	5.3		
Stocks, end of period .....		13.3	13.3	12.5	12.8	12.5	13.3	14.3	14.5	13.9	13.5	13.2	13.0	14.3	14.5		
Asphalt:																	
Production.....do.....		158.4	162.1	17.8	15.7	11.0	8.5	8.4	8.2	10.2	10.5	14.0	15.5	17.7	18.3		
Stocks, end of period .....		18.8	20.8	20.1	19.0	18.7	20.8	25.6	29.1	32.6	33.1	32.4	30.6	27.9	21.8		
Liquefied petroleum gases:																	
Production, total.....do.....		638.2	665.2	55.2	58.0	55.0	56.1	58.2	50.2	58.9	58.5	60.3	54.7	57.6	55.4		
At gas processing plants (L.P.G.).....do.....		474.5	482.6	39.3	42.1	40.9	41.5	41.8	36.4	41.6	40.6	40.4	38.6	38.0	36.7		
At refineries (L.R.G.).....do.....		163.7	182.6	15.9	16.0	14.1	14.7	16.3	13.9	17.3	17.9	19.9	19.1	19.6	18.7		
Stocks (at plants and refineries).....do.....		97.1	97.3	121.2	119.7	113.5	97.3	87.0	77.5	75.0	88.8	97.2	105.2	117.7	126.2		

See footnotes at end of tables.

**PULP, PAPER, AND PAPER PRODUCTS**

<b>PULPWOOD</b>																		
Receipts.....thous. cords (128 cu.ft.) .....		194,812	195,557	8,080	8,245	7,889	8,370	8,440	7,748	8,035	7,858	8,005	8,358	8,476	8,946			
Consumption.....do.....		193,946	195,497	7,956	7,908	7,887	8,198	8,358	7,837	8,169	8,040	8,112	8,348	8,548	8,498			
Inventories, end of period.....do.....		5,096	4,888	4,484	4,726	4,790	4,888	4,861	4,701	4,490	4,402	4,320	4,343	4,191	4,415			
<b>WASTE PAPER</b>																		
Consumption.....thous. sh. tons .....		17,998	18,860	1,553	1,597	1,565	1,526	1,572	1,498	1,615	1,555	1,624	1,591	1,579	1,649			
Inventories, end of period.....do.....	</																	

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.			
PULP, PAPER, AND PAPER PRODUCTS—Continued																				
<b>PAPER AND PAPER PRODUCTS</b>																				
Paper and board:																				
Production (API):																				
Total	thous. sh. tons..	174,318	176,408	6,346	6,466	6,222	6,296	6,582	5,985	6,688	6,191	6,424	7,826	6,327	6,612	6,275				
Paper	do	36,876	38,298	8,219	3,264	3,165	3,140	3,297	2,989	3,348	3,042	3,157	3,104	3,068	3,302	3,172				
Paperboard	do	37,442	38,105	8,127	3,203	3,056	3,155	3,285	2,996	3,290	3,150	3,266	3,222	3,259	3,311	3,103				
Producer Price Indexes:																				
Paperboard	1982=100	118.1	133.2	136.2	136.4	136.5	136.5	137.7	138.7	140.4	142.3	142.5	141.0	140.2	140.3	140.0				
Building paper and board	do	111.2	113.3	112.5	112.5	112.7	113.3	112.9	113.8	114.2	115.1	115.5	115.8	116.4	116.1	116.7				
Selected types of paper (API):																				
Groundwood paper:																				
Orders, new	thous. sh. tons..	1,542	1,654	143	145	113	177	140	127	163	134	154	149	151	166	176				
Orders, unfilled, end of period	do	166	208	173	168	145	208	180	180	204	178	186	198	191	217	233				
Shipments	do	1,498	1,624	141	147	130	125	148	133	147	149	151	139	148	151	152				
Coated papers:																				
Orders, new	do	7,066	7,412	584	666	575	570	588	561	599	505	613	636	650	658	633				
Orders, unfilled, end of period	do	708	751	729	749	729	751	678	696	701	647	698	737	825	848	882				
Shipments	do	6,860	7,359	606	625	606	573	639	550	604	544	580	580	572	651	611				
Uncoated free sheet:																				
Orders, new	do	11,173	11,298	927	937	880	989	931	884	1,015	870	864	916	868	1,031	960				
Shipments	do	11,206	11,494	973	965	943	948	976	912	1,021	923	955	902	867	968	901				
Unbleached kraft papers:																				
Shipments	thous. sh. tons..	2,840	2,800	261	248	254	258	272	235	264	199	206	229	212	227	210				
Tissue paper, production	do	5,301	5,476	458	476	445	450	466	437	503	451	474	469	458	484	473				
Newsprint:																				
Canada:																				
Production	thous. metric tons..	9,669	9,969	790	865	887	809	850	777	806	814	838	780	814	887	760				
Shipments from mills	do	9,757	9,867	830	803	845	874	763	781	814	785	851	821	775	811	830				
Inventory, end of period	do	189	291	301	364	356	291	378	425	418	446	434	412	451	477	407				
United States:																				
Production	do	5,300	5,427	446	461	448	464	460	404	469	449	458	452	474	462	469				
Shipments from mills	do	5,310	5,415	447	461	456	475	437	412	462	442	462	452	472	469	470				
Inventory, end of period	do	36	48	67	67	59	48	71	64	70	78	73	73	74	67	66				
Estimated consumption, all users	do	12,322	12,336	1,047	1,135	1,094	1,037	963	934	1,052	1,057	1,044	988	955	1,008	1,038				
Publishers' stocks, end of period	# thous. metric tons..	900	932	1,004	936	898	933	936	925	889	850	838	829	843	848	807				
Imports	do	8,142	7,794	673	688	641	489	782	569	673	612	673	600	537	714	618				
Producer Price Index, standard newsprint	1982=100	112.3	127.6	127.8	127.7	127.5	126.6	126.5	126.0	126.6	126.5	123.2	122.0	123.6	122.6	120.1				
Paper products:																				
Shipping containers, corrugated and solid fiber shipments	mil. sq. ft. surf. area..	297,827	307,457	26,153	27,797	24,876	23,467	26,444	24,086	26,755	26,367	26,734	26,391	24,550	27,709	25,354				

## RUBBER AND RUBBER PRODUCTS

RUBBER																
Natural rubber:																
Consumption	thous. metric tons..	775.82	858.28	64.60	74.53	75.39	75.22	89.88	51.14	96.57	68.88	87.86	65.10			
Stocks, end of period	do	72.46	61.74	63.93	57.92	58.43	61.74	71.11	67.51	77.37	82.18	86.67	86.21			
Imports, incl. latex and guayule	do	757.60	853.82	59.12	69.31	77.43	74.73	399.31	52.16	99.09	74.55	87.48	63.78	77.86	67.05	70.42
U.S. Import Price Index †	1985=100	115.7	147.7	149.9			132.7			135.1			106.0			99.8
Synthetic rubber:																
Production	thous. metric tons..	2,184.12	2,324.86	189.61	198.15	201.86	188.76	205.06	178.15	204.08	203.80	192.02	179.82			
Consumption	do	2,017.81	2,009.64	162.45	170.58	180.53	150.50	190.27	170.20	187.30	191.27	172.72	165.30			
Stocks, end of period	do	229.72	276.62	258.61	259.03	258.20	276.62	286.41	284.46	291.12	296.36	298.09	301.67			
Exports (Bu. of Census)	do	429.40	459.98	38.62	37.18	36.25	32.12	342.40	45.66	54.98	41.27	54.39	51.30	43.71	48.21	54.54
TIRES AND TUBES																
Pneumatic casings:																
Production	thous. ..	202,978	211,351	18,115	19,138	17,258	16,102	18,944	18,102	19,670	19,224	19,090	18,812	14,835	18,288	
Shipments, total	do	255,220	264,811	23,738	24,312	22,622	20,635	21,466	19,613	22,166	22,375	23,022	24,558	19,927	23,955	
Original equipment	do	60,758	62,982	5,556	5,672	5,529	4,934	5,485	5,348	5,569	5,770	5,806	5,130	3,174	4,969	
Replacement equipment	do	186,406	189,212	17,118	17,476	16,103	14,708	14,576	12,886	15,008	15,221	15,896	18,198	15,554	17,488	
Exports	do	8,056	12,666	1,064	1,163	989	993	1,405	1,377	1,588	1,384	1,320	1,231	1,198	1,497	
Stocks, end of period	do	34,338	38,191	34,771	34,074	33,434	33,191	35,186	37,884	40,552	42,791	48,580	42,695	42,596	41,902	
Exports (Bu. of Census)	do	9,580	16,149	1,420	1,400	1,322	1,314	3,903	1,373	1,692	1,634	1,343	1,295	1,602	2,112	1,566
Inner tubes:																
Exports (Bu. of Census)	do	1,518	1,712	149	182	144	132	3243	122	126	143	201	137	133	181	121

See footnotes at end of tables.

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>STONE, CLAY, AND GLASS PRODUCTS</b>																		
<b>PORLTAND CEMENT</b>																		
Shipments, finished cement.....thous. bbl..	'481,160	'477,958		47,580	47,250	39,750	32,505	27,176	23,133	33,782	39,261	44,585	47,085	43,782	51,782			
<b>CLAY CONSTRUCTION PRODUCTS</b>																		
Shipments:																		
Brick, unglazed (common and face)																		
mil. standard brick ..	7,600.5	7,807.8		714.1	752.6	617.3	516.0	500.4	429.9	554.8	569.2	636.6	625.9	'587.4	691.1			
Structural tile, except facing .....thous. sh. tons..	(*)—	58.1		4.7	4.7	4.7	4.7	4.7	4.7	(*)—	(*)—	(*)—	(*)—	(*)—	(*)—	(*)—		
Sewer pipe and fittings, vitrified .....	316.9	316.3		27.7	26.2	22.2	15.6	18.4	14.3	21.4	24.8	25.8	24.4	'22.4	21.4			
Floor and wall tile and accessories, glazed and unglazed.....mi. sq. ft..	478.9	488.2		42.0	41.3	40.5	40.0	39.3	42.4	46.6	41.5	46.2	46.9	'38.8	'49.2			
Producer Price Index, brick and structural clay tile .....12/84=100 ..	108.2	110.9		111.1	111.0	111.2	111.2	111.6	111.6	112.0	111.9	111.6	111.7	111.7	111.8	111.7	111.7	
<b>GLASS AND GLASS PRODUCTS</b>																		
Flat glass, mftrs.' shipments.....thous. \$..	1,457,587	1,484,949		380,269				383,612			418,513		403,583					
Glass containers:																		
Production †.....thous. gross..	285,030	284,473		23,103	26,205	21,507	17,458	22,237	22,352	25,482	23,837	25,784	25,175	'24,311	25,837			
Shipments, total †.....do..	281,636	280,439		23,673	23,409	20,860	20,189	21,944	20,936	24,178	24,831	25,561	26,442	'23,425	25,938			
Narrow-neck containers:																		
Food †.....do..	27,252	22,100		2,103	1,529	1,279	1,133	1,605	1,668	1,852	1,939	2,334	2,342	2,025	2,394			
Beverage.....do..	62,424	63,551		5,340	4,983	4,410	4,531	4,528	4,304	5,201	6,114	6,250	6,499	6,040	6,246			
Beer.....do..	85,357	86,285		6,943	7,382	6,602	6,403	7,390	6,767	7,767	7,940	8,018	8,279	7,775	7,889			
Liquor and wine †.....do..	28,382	26,491		1,847	1,961	1,799	1,959	1,888	2,113	2,154	2,391	2,599	2,198	2,227				
Wide-mouth containers:																		
Food and dairy products.....do..	62,673	66,675		6,094	6,240	5,372	4,908	5,635	5,402	6,351	5,810	5,621	5,885	4,779	6,388			
Narrow-neck and wide-mouth containers:																		
Medicinal and toilet.....do..	14,167	13,980		1,219	1,243	1,240	1,343	727	796	768	752	878	755	'555	708			
Chemical, household, and in- dustrial.....do..																		
1,871	1,357		127	121	158	152	100	116	126	122	79	88	53	86				
Stocks, end of period †.....do..	41,926	42,296		42,149	44,526	44,840	42,296	42,807	44,078	49,628	44,428	44,862	43,866	'44,409	43,992			
<b>GYPSUM AND PRODUCTS</b>																		
Production:																		
Crude gypsum (exc. byproduct)....thous. sh. tons..	'15,612	'16,390		1,521	1,429	1,279	1,460	1,090	1,160	1,130	1,100	1,110	1,210	1,310				
Calcinced.....do..	'17,592	'17,274		1,444	1,760	1,385	1,330	1,400	1,300	1,570	1,450	1,320	1,430	1,400				
Imports, crude gypsum.....do..	9,717	'9,679		760	850	915	875			758	915	913	778					
Sales of gypsum products:																		
Uncalcined.....do..	'6,324	'5,375		462	533	460	564	365	380	418	413	431	433	281				
Calcinced:																		
Industrial plasters.....do..	'496	'150		11	18	12	13	(*)—										
Building plasters, total (incl. Keene's cement).....do..	'280	235		19	19	18	16	'31	29	31	(*)—	(*)—	(*)—	(*)—				
Board products, total.....mil. sq. ft..	'20,507	'20,563		1,766	1,897	1,699	1,641	1,700	1,644	1,874	1,698	1,744	1,773	1,669				
Lath.....do..	23	21		1	2	2	1	1	2	2	2	1	2	1				
Veneer base.....do..	'479	472		40	40	40	37	40	39	42	43	47	40	35				
Gypsum sheathing.....do..	'313	'311		24	26	18	30	20	18	22	22	24	25	22				
Regular gypsum board.....do..	'13,920	'13,888		1,057	1,139	1,043	1,005	1,027	1,010	1,134	997	1,036	1,061	984				
Type X gypsum board.....do..	'4,489	'4,583		499	541	468	453	484	460	542	500	507	520	501				
Predecorated wallboard.....do..	'128	'132		10	9	10	10	9	10	9	10	9	9	9				
% mobile home board.....do..	'598	'605		79	80	65	53	61	51	62	67	62	59	59				
Water/moisture resistant board.....do..	'557	'550		56	59	55	53	56	55	61	58	58	57	57				

## TEXTILE PRODUCTS

TEXTILE PRODUCTS														
FABRIC														
Woven fabric, finishing plants:														
Production (finished fabric).....	.mil. linear yd.													
Cotton .....	do .....													
Manmade fiber and silk fabrics .....	do .....													
Inventories held at end of period .....	do .....													
Cotton .....	do .....													
Manmade fiber and silk fabrics .....	do .....													
Backlog of finishing orders .....	do .....													
Cotton .....	do .....													
Manmade fiber and silk fabrics .....	do .....													
COTTON AND MANUFACTURES														
Cotton (excluding linters):														
Production:														
Ginnings ♦.....thous. running bales..	14,359	14,985	2,279	6,888	11,698	14,277								
Crop estimate.....thous. net weight bales \$.	14,760	15,412												
Consumption.....thous. running bales..	7,446	7,294	3,676	454	509	3,554	554	570	3,734	611	631	3,781	545	663
Stocks in the United States, total, end of period #.....thous. running bales..	13,722	16,062	18,122	17,755	17,115	16,062	14,809	13,705	12,349	10,683	9,951	8,580	6,985	
Domestic cotton, total .....	do .....	13,722	16,062	18,122	17,755	17,115	16,062	14,809	13,705	12,349	10,683	9,951	8,580	6,985
On farms and in transit .....	do .....	2,525	1,957	12,487	8,975	4,838	1,957	1,081	1,026	998	707	1,076	1,219	450
Public storage and compresses .....	do .....	10,555	13,624	5,027	8,210	11,722	13,524	13,141	12,048	10,734	9,353	8,229	6,760	5,923
Consuming establishments .....	do .....	642	581	608	570	555	581	587	631	622	623	646	601	606

See footnotes at end of tables

Unless otherwise stated in footnotes  
below, data through 1986 and  
methodological notes are as shown in  
Business Statistics: 1986

Units	Annual		1988				1989										
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>TEXTILE PRODUCTS—Continued</b>																	
<b>COTTON AND MANUFACTURES—Cont.</b>																	
Cotton (excluding linters)—Continued																	
Exports.....thous. running bales..	5,683	5,649	249	224	379	632	648	684	619	610	672	233	850	480			
Imports.....thous. net-weight bales \$..	2	1	(1)	(1)	51.9	55.1	57.5	55.8	54.7	52.8	55.6	57.6	58.7	58.3	57.2	59.5	
Price(farm), American upland ♂, cents per lb..	263.7	255.6															
Price, Strict Low Middling, Grade 41, staple 34 (1½")", average 10 markets, cents per lb..	52.6	64.4	51.3	52.2	53.4	54.8	55.6	55.4	57.6	61.4	63.7	64.1	67.4	69.9	68.5		
Spindle activity (cotton system spindles):																	
Active spindles, last working day, total.....mil..	11.6	11.5	11.5	11.5	11.4	11.5	11.3	11.2	11.1	11.1	11.1	11.2	10.8	10.7			
Consuming 100 percent cotton.....do..	4.6	4.4	4.4	4.3	4.3	4.4	4.3	4.2	4.3	4.3	4.4	4.3	4.3	4.2	4.2		
Spindle hours operated, all fibers, total.....bil..	82.9	78.1	77.5	6.0	6.0	6.3	5.8	5.9	7.2	5.9	6.0	7.5	7.6				
Average per working day.....do..	319	302	.301	.299	.200	.251	.288	.293	.289	.296	.300	.299	.301				
Consuming 100 percent cotton ..do..	32.3	28.9	27.2	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.3	2.9	1.8	2.1	2.8		
Cotton cloth:																	
Cotton broadwoven goods over 12" in width:																	
Production (qtrly).....mil. sq. yd..	4,772	4,518	1,048				1,029				1,150			1,188			
Orders, unfilled, end of period, compared with average weekly production no. weeks' prod..																	
Inventories, end of period, compared with avg. weekly production...no. weeks' prod..																	
Ratio of stocks to unfilled orders (at cotton mills), end of period.....																	
Exports, raw cotton equivalent thous. net-weight bales \$..	260.0	250.4	25.0	20.5	22.8	25.4											
Imports, raw cotton equivalent ..do..	1,617.2	1,146.8	87.2	92.9	94.5	109.4											
Producer Price Index, gray cotton broadwovens .....1982=100..	105.2	114.4	114.8	111.9	112.5	112.3	112.4	111.3	110.9	110.9	110.5	110.1	111.1	110.0	109.8	110.4	
<b>MANMADE FIBERS AND MANUFACTURES</b>																	
Fiber production, qtrly:																	
Acetate filament yarn.....mil. lb..	191.1	213.9	54.9				55.5				52.7			55.8			
Rayon staple, including tow ..do..	413.8	399.8	99.4				92.6				100.8			101.2			
Noncellulosic, except textile glass:																	
Yarn and monofilaments ..do..	4,009.7	4,160.4	1,025.1				1,055.1				1,069.3			1,097.3			
Staple, incl. tow ..do..	4,306.2	4,345.6	1,058.3				1,124.5				1,103.8			1,184.1			
Textile glass fiber ..do..																	
Fiber stocks, producers', end of period:																	
Acetate filament yarn.....mil. lb..	14.2	11.4	11.5				11.4				11.3			8.9			
Rayon staple, including tow ..do..	20.7	14.0	13.3				14.0				11.7			15.8			
Noncellulosic fiber, except textile glass:																	
Yarn and monofilaments ..do..	298.4	284.4	817.0				284.4				302.0			322.2			
Staple, incl. tow ..do..	319.6	298.4	829.0				298.4				311.3			351.0			
Textile glass fiber ..do..																	
Manmade fiber and silk broadwoven fabrics:																	
Production (qtrly), total.....mil. sq. yd..																	
Filament yarn (100%) fabrics ..do..																	
Chiefly rayon or acetate fabrics ..do..																	
Chiefly nylon fabrics ..do..																	
Spun yarn (100%) fabrics ..do..																	
Rayon and/or acetate fabrics, blends ..do..																	
Polyester blends with cotton ..do..																	
Acetate filament and spun yarn fabrics ..do..																	
Producer Price Index, gray synthetic broadwovens .....1982=100..	105.6	112.7	113.0	113.5	113.9	114.6	114.3	112.0	112.2	112.2	112.1	113.1	114.3	114.9	114.6	115.2	
<b>MANMADE FIBER TEXTILE TRADE:</b>																	
Exports, manmade fiber equivalent.....mil. lbs..	591.87	684.75	59.97	56.74	56.77	59.98											
Yarn, tops, thread, cloth ..do..	260.31	282.19	23.95	22.20	23.68	27.32											
Cloth, woven ..do..	152.65	169.31	14.86	14.22	14.88	15.64											
Manufactured prods., apparel furnishings ..do..	331.56	402.56	36.02	34.54	33.14	32.66											
Imports, manmade fiber equivalent.....do..	1,805.44	1,735.70	146.03	144.23	132.03	123.37											
Yarn, tops, thread, cloth ..do..	280.00	258.18	18.73	22.20	20.44	18.60											
Cloth, woven ..do..	182.52	179.23	12.64	15.66	13.64	12.47											
Manufactured products, apparel furnishings ..do..	1,525.44	1,477.52	127.30	122.03	111.59	104.77											
Apparel, total ..do..	1,083.22	991.03	87.26	81.86	71.62	65.71											
Knit apparel ..do..	485.86	443.03	43.30	40.44	32.72	26.73											
<b>WOOL AND MANUFACTURES</b>																	
Wool consumption, mill (clean basis):																	
Apparel class.....mil. lb..	129.7	117.1	9.5	9.2	8.3	11.2	10.6	11.1	13.7	10.4	8.7	11.9	9.3	9.7			
Carpet class ..do..	13.1	15.6	1.7	1.0	1.0	1.0	1.0	1.0	1.3	1.6	1.4	1.5	1.2	1.5			
Wool imports, clean yield ..do..	105.1	96.7	3.3	6.7	8.6	6.7	8.7	11.3	9.0	13.1	10.3	8.3	10.0	6.9			
Duty-free ..do..	31.1	24.4	1.9	2.2	2.0	1.3	2.1	2.9	3.8	3.2	3.1	3.0	2.0	2.1			
Wool prices, raw, shorn, clean basis, delivered to U.S. mills:																	
Domestic—Graded territory, 64's, staple 2¾" and up ..do..	2.65	4.38	4.50	4.63	4.75	4.50	4.50	4.38	4.10	3.75	3.75	3.65	3.50	3.50	3.50	3.50	
Australian, 64's, Type 62, duty-paid ..do..	3.24	4.87	4.61	4.88	4.72	4.75	5.11	4.84	4.54	4.29	4.14	4.03	4.05	4.10	4.14	4.17	
Wool broadwoven goods, exc. felts:																	
Production (qtrly).....mil. sq. yd..	168.9	191.2	43.0			44.7			47.5			48.8					
<b>FLOOR COVERINGS</b>																	
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly # ..mil. sq. yds..	1,263.2	1,273.3	329.1			304.3			310.0			348.2					
<b>APPAREL</b>																	
Women's, misses', juniors' apparel cuttings: †																	
Coats ..thous. units..	23,982	18,416	5,273			4,234			8,160								
Dresses ..do..	174,982	160,438	36,124			36,510			41,860								
Suits (incl. pant suits, jumpsuits) ..do..	7,458	8,972	2,489			2,076			2,048								
Skirts ..do..	111,162	96,417	22,202			20,735			24,907								
Slacks, jeans, dungarees, and Jean-cut casual slacks ..do..	294,791	276,															

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TEXTILE PRODUCTS—Continued</b>																	
<b>APPAREL—Continued</b>																	
Men's apparel cuttings: ‡‡																	
Suits.....thous. units..	12,296	13,413	3,463					3,558				4,037					
Coats (separate), dress and sport ..do..	18,323	17,435	4,473					4,191				4,281					
Trousers, slacks, jeans, pants, etc. ....do..	7,481,667	428,291	109,746					94,252				97,777					
Shirts, dress and sport.....thous. doz..	83,756	85,338	19,421					21,662				23,726					
Hosiery, shipments.....thous. doz. pairs..	308,982	322,124	27,006	32,948	27,475	25,120	29,503	29,183	29,277	31,136	25,296	28,485	30,745				
<b>TRANSPORTATION EQUIPMENT</b>																	
<b>AEROSPACE VEHICLES</b>																	
Orders, new (net), total.....mil. \$..	121,224	147,128															
U.S. Government.....do..	66,264	67,850															
Prime contract.....do..	117,434	143,421															
Sales (net), receipts, or billings, total.....do..	110,801	113,548															
U.S. Government.....do..	68,632	68,104															
Backlog of orders, end of period #.....do..	158,650	191,518															
U.S. Government.....do..	92,439	92,394															
Aircraft (complete) and parts.....do..	64,494	87,365															
Engines (aircraft) and parts.....do..	15,521	23,415															
Missiles, space vehicle systems, engines, propulsion units, and parts.....mil. \$..	30,544	29,078															
Other related operations (conversions, modifications), products, services.....mil. \$..	16,930	17,895															
<b>Aircraft (complete):</b>																	
Shipments.....do..	12,491.7	16,019.9	1,814.9	1,589.2	1,258.7	1,476.2	774.1	1,016.2	1,597.2	1,364.5	1,394.3	1,613.0	1,414.4	1,792.8	2,331.4		
Exports, commercial.....do..	7,880	9,971	517	949	814	829	620	810	1,320	1,241	1,104	1,117	1,378	1,020			
<b>MOTOR VEHICLES (NEW)</b>																	
Passenger cars:																	
Factory sales (from U.S. plants):																	
Total.....thous. ....do..	7,085	7,105	618	655	648	584	616	606	654	651	671	612	275	540	576	(*)—	
Domestic.....do..	6,487	6,437	556	589	591	538	570	545	585	584	617	560	248	499	523		
Retail sales, total, not seas. adj....do..	10,278	10,639	830	888	796	882	721	754	887	912	973	899	849	977	*840	*750	
Domestic §.....do..	7,081	7,539	579	592	554	617	512	554	642	667	710	641	603	685	610	524	
Imports §.....do..	3,197	3,099	251	246	243	265	209	201	246	245	262	258	245	291	*230	*226	
Total, seas. adj. at annual rate.....mil. \$..	10.2	9.9	10.1	11.4	9.9	9.9	9.7	10.8	9.8	10.2	11.4	10.7	11.4	10.7	*8.8		
Domestic §.....do..	7.2	6.9	7.2	8.4	7.1	7.0	6.8	7.6	7.5	7.0	7.5	7.8	8.3	7.8	6.1		
Imports §.....do..	3.0	3.0	2.9	3.1	2.8	2.8	2.9	3.2	2.9	2.8	3.1	2.8				*2.7	
Retail inventories, domestics, end of period: §																	
Not seasonally adjusted.....thous. ....do..	1,680	1,601	1,409	1,504	1,631	1,601	1,736	1,810	1,838	1,836	1,844	1,845	1,565	1,450	1,439	1,550	
Seasonally adjusted.....do..	1,701	1,619	1,566	1,646	1,663	1,619	1,649	1,667	1,690	1,702	1,709	1,732	1,555	1,587	1,486	1,644	
Inventory-retail sales ratio, domestics §.....	2.9	2.6	2.6	2.9	2.8	2.8	2.8	3.0	2.7	2.8	*3.0	2.5	2.3	2.3	3.2		
Exports (BuCensus), total.....do..	627.65	765.12	76.56	65.11	68.50	58.24	55.68	71.74	82.94	80.16	71.37	62.74	39.04	45.34			
To Canada.....do..	561.88	616.18	65.92	50.11	48.98	40.61	40.14	55.02	65.69	58.78	52.26	49.67	26.87	33.59			
Imports (ITC), complete units.....do..	4,589.0	4,450.2	348.8	400.1	409.2	415.7	324.8	372.6	374.7	356.4	352.8	339.1	298.4	279.0			
From Canada total.....do..	926.9	1,191.4	100.5	101.5	101.0	88.9	86.0	112.4	99.9	102.1	109.5	100.5	63.6	70.6			
Registrations ♦, total new vehicles.....do..	10,166	10,480	938	807	764	896	733	722	833	843	885	950	880	880	956		
Imports, including domestically sponsored.....do..	3,654	3,710	360	297	278	317	258	252	283	282	293	324	304	331	354		
Trucks and buses:																	
Factory sales (from U.S. plants):																	
Total.....do..	8,821	4,121	349	375	351	327	365	373	401	365	390	383	220	347	316	(*)—	
Domestic.....do..	3,509	3,795	324	340	323	303	338	343	366	334	362	358	205	328	289		
Retail sales, domestics:																	
Total, not seasonally adjusted.....do..	4,088.4	4,544.5	346.4	271.0	355.0	359.2	326.8	327.7	405.2	298.9	421.8	389.4	389.9	410.3	382.5	326.4	
0-10,000 lbs. GVW.....do..	3,786.1	4,195.1	317.3	339.7	328.0	329.0	300.1	313.1	375.6	368.6	391.2	359.1	361.7	382.1	357.0	297.6	
10,001 lbs. GVW and over.....do..	302.3	348.7	29.0	31.4	27.0	30.1	26.7	24.6	29.5	30.3	30.7	30.3	28.3	28.2		28.8	
Total, seasonally adjusted.....do..	367.3	384.5	376.6	372.1	381.6	365.2	349.2	397.0	362.6	362.6	351.9	379.6	422.8	411.5	344.4		
0-10,000 lbs. GVW.....do..	338.5	358.9	346.1	342.6	349.3	336.6	322.7	369.2	334.0	334.0	324.2	351.6	404.1	385.9	316.2		
10,001 lbs. GVW and over.....do..	28.7	30.6	30.5	29.4	32.2	28.6	26.5	27.8	28.6	27.8	28.7	28.0	28.7	25.6		28.2	
Retail inventories, domestics, end of period: †																	
Not seasonally adjusted.....thous. ....do..	967.9	999.3	888.4	945.0	998.3	999.3	1,098.7	1,170.5	1,197.1	1,208.9	1,225.2	1,252.3	1,114.4	1,107.8	1,078.8	1,102.6	
Seasonally adjusted.....do..	1,015.4	1,041.6	895.2	972.3	1,003.5	1,041.6	1,072.5	1,109.9	1,130.0	1,135.8	1,160.3	1,208.7	1,200.5	1,153.9	1,136.3		
Exports (BuCensus), including separate chassis and bodies.....do..	229.27	246.92	21.53	21.80	15.23	17.91	19.23	21.60	23.35	18.73	17.69	15.36	10.66	15.64			
Imports (BuCensus), including separate chassis and bodies.....do..	1,378.19	1,155.66	72.90	109.83	97.20	107.89	108.34	101.92	103.61	76.34	89.64	88.30	74.85	69.06			
Registrations ♦, new vehicles, excluding buses not produced on truck chassis.....thous. ....do..	4,964	5,211	471	410	398	445	371	374	428	427	446	477	430	441	493		
Truck trailers and chassis, complete (excludes detachables), shipments.....number ..do..	180,142	186,483	16,520	16,296	15,394	15,436	14,141	14,223	16,247	16,395	15,284	15,084	11,427	*15,850	12,714		
Van type.....do..	135,380	131,991	12,214	11,801	11,347	11,161	10,137	10,559	11,746	11,854	10,764	11,002	7,950	*11,868	9,423		
Trailer bodies (detachable), sold separately .....do..	438	5,223	935	343	520	563	(*)—										
Trailer chassis (detachable), sold separately .....do..	23,014	37,729	7,418	8,747	8,548	2,645	1,789	1,857	2,180	2,183	3,047	2,613	1,016	*1,309	1,692		
<b>RAILROAD EQUIPMENT</b>																	
Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt cars and cars for export):																	
Shipments.....number ..do..	18,645	22,524	5,605					7,864				7,286					

## FOOTNOTES FOR PAGES S-1 THROUGH S-32

## General Notes for all Pages:

- r Revised.
- p Preliminary.
- e Estimated.
- c Corrected.

## Page S-1

† Revised series. See Tables 2.6 - 2.9 in the July 1989 SURVEY for revised estimates for 1985-88.

‡ Includes inventory valuation and capital consumption adjustments.

§ Monthly estimates equal the centered three-month average of personal saving as a percentage of the centered three-month moving average of disposable personal income.

◊ See note "◊" for p. S-2.

## Page S-2

1. Based on data not seasonally adjusted.

◊ Effective Oct. 1987 SURVEY, the industrial production index has been revised back to Jan. 1985. These revisions are available upon request.

# Includes data not shown separately.

‡ Effective Sept. 1988 SURVEY, data have been revised back to January 1982. Revised data appear in the report "Manufacturing and Trade Inventories and Sales" CB-88-146, available from the Bureau of the Census, Washington, DC 20233.

§ Revised series. Data have been revised back to 1985. Revisions are available upon request.

## Page S-3

# Includes data for items not shown separately.

† Revised series. Data have been revised back to 1982. A detailed description of the changes appear in the report "Manufacturers' Shipments, Inventories, and Orders: 1982-88" M3-1(88), available from the Bureau of the Census, Washington, DC 20233.

‡ See note "‡" for p. S-2.

§ See note "§" for p. S-2.

## Page S-4

1. Based on data not seasonally adjusted.

# Includes data for items not shown separately.

‡ Includes textile mill products, leather and products, paper and allied products, and printing and publishing industries; unfilled orders for other nondurable goods industries are zero.

◊ For these industries (food and kindred products, tobacco, apparel and other textile products, petroleum and coal, chemicals and allied products, and rubber and plastics products) sales are considered equal to new orders.

† See note "†" for p. S-3.

## Page S-5

@ Compiled by Dun & Bradstreet, Inc.

# Includes data for items not shown separately.

§ Ratio of prices received to prices paid (parity index).

‡ See note "‡" for p. S-4.

† In the Feb. and July issues of the SURVEY each year, data for the most recent six to eight years are subject to revise and are available upon request.

◊ See note "◊" for p. S-6.

†† See note "†" for p. S-3.

## Page S-6

§ Effective with the release of the January 1988 index, all producer price indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982=100. Historical data on the new base are available upon request. For producer price indexes of individual commodities, see respective commodities in the Industry section beginning p. S-19. All indexes subject to revision four months after original publication.

# Includes data for items not shown separately.

† Effective with the release of the January 1988 index, all consumer price indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982-84=100. Historical data on the new base are available upon request. Beginning with January 1987, data are calculated using 1982-84 expenditure patterns and updated population weights. Additional information regarding these changes is available from the Bureau of Labor Statistics, Washington, DC 20212.

‡ Effective with the Feb. 1989 SURVEY, data have been revised back to 1984 and are available upon request.

## Page S-7

1. Computed from cumulative valuation total.

2. Index as of Nov. 1, 1989: building, 395.8; construction, 433.4.

3. Beginning Dec. 1988, series has been discontinued by the Bureau of the Census.

# Includes data for items not shown separately.

§ Data for Sept. and Dec. 1988, and Mar., June, and Aug. 1989 are for five weeks; other months four weeks.

◊ Effective Feb. 1989 SURVEY, data for seasonally adjusted housing starts have been revised back to 1986. Effective Feb. 1988 SURVEY, data for seasonally adjusted housing starts have been revised back to 1985. These revisions are available upon request.

† Effective May 1989 SURVEY, data for seasonally adjusted building permits have been revised back to 1987. Effective May 1988 SURVEY, data for seasonally adjusted building permits have been revised back to Jan. 1986. These revisions are available upon request.

## Address requests for data to:

Business Statistics Branch  
Current Business Analysis Division  
Bureau of Economic Analysis  
U.S. Department of Commerce  
Washington, D.C. 20230

† Effective July 1989 SURVEY, data have been revised back to 1985. In addition to the normal revisions to the unadjusted and seasonally adjusted data, some total components have been revised back to 1975 due to revised data for the "Telecommunications" category. See note "†" for this page. Effective July 1988 SURVEY, the "Improvements" component of private residential buildings has been revised back to 1982 to adjust for a change in estimation of the monthly data. Revised data are available from the Construction Statistics Division at the Bureau of the Census, Washington, DC 20233.

‡ Effective July 1989 SURVEY, data have been revised back to 1975 and are available upon request.

\* The "Telephone and telegraph" category has been renamed "Telecommunications" and now includes estimates for television cable construction. Data were revised back to 1975.

†† Effective Nov. 1989 SURVEY, data have been revised back to 1980 and are available upon request.

## Page S-8

1. Advance estimate.

2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.

◊ Home mortgage rates (conventional first mortgages) are under money and interest rates on p. S-14.

§ Data include guaranteed direct loans sold.

# Includes data for items not shown separately.

† Effective Oct. 1987 SURVEY, data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989. Historical data back to 1976 are available upon request.

‡ Effective April 1989 SURVEY, wholesale trade data have been revised back to Jan. 1983. Revised data and a summary of changes appear in the report *Revised Monthly Wholesale Trade Sales and Inventories BW-13-88S*, available from the Bureau of the Census, Washington, DC 20233.

† Effective April 1989 SURVEY, retail trade data have been revised. Estimates of retail sales and inventories have been revised back to January 1983. A revision in 1988 revised some series back to 1978. Revised data and a summary of changes appear in the report *Revised Monthly Retail Sales and Inventories BR88-R*, available from the Bureau of the Census, Washington, DC 20233.

†† Beginning with data for 1988, data will be reported on a quarterly basis only.

## Page S-9

1. Advance estimate.

# Includes data for items not shown separately.

◊ Effective with the January 1989 SURVEY, the seasonally adjusted labor force series have been revised back to January 1984. The January 1989 issue of *Employment and Earnings* contains the new seasonal adjustment factors, a description of the current methodology, and revised data for the most recent 13 months or calendar quarters. Revised monthly data for the entire 1984-88 revision period are in the February 1989 issue of *Employment and Earnings*.

† The participation rate is the percent of the civilian noninstitutional population in the civilian labor force. The employment-population ratio is civilian employment as a percent of the civilian noninstitutional population, 16 years and over.

@ Data include resident armed forces.

‡ See note "‡" for p. S-8.

## Page S-10

◊ See note "◊" for p. S-9.

§ Effective with the June 1988 and 1989 issues of the SURVEY, data have been revised, respectively, back thru April 1986 and 1987 (not seasonally adjusted) and January 1983 and 1984 (seasonally adjusted) to reflect new benchmarks and seasonally adjustments factors. The June issue of *Employment and Earnings* (for both years) contains a detailed discussion of the effects of these revisions.

## Page S-11

† This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

◊ Production and nonsupervisory workers.

§ See note "§" for p. S-10.

## Page S-12

1. This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision. Use the corresponding unadjusted series.

2. The hourly earnings index has been discontinued.

§ See note "§" for p. S-10.

◊ Production and nonsupervisory workers.

‡ Earnings in 1977 dollars reflect changes in purchasing power since 1977 by dividing by Consumer Price Index. Effective Feb. 1988 SURVEY, this series has been revised back to 1983 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.

§§ Wages as of Nov. 1, 1989: Common, \$17.98; Skilled, \$23.61.

† Excludes farm, household, and Federal workers.

‡‡ See note "‡" for p. S-11.

**Page S-13**

1. Beginning with Jan. 1988 data, the number of respondents in the bankers acceptance survey was reduced from 155 to 111 institutions—those with \$100 million or more in total acceptances. The new reporting group accounts for over 90 percent of total acceptances activity.

2. Effective December 31, 1987, eight brokers and dealers in commercial paper were added to the reporting panel resulting in a series break. End of month figures on the old basis are as follows: All issuers, 352,915; financial companies, 275,907; dealer placed, 103,667; directly placed, 172,240; and nonfinancial companies, 77,008.

3. Average for Dec.

4. Pursuant to the 1987 Agricultural Credit Act, the FICBs merged with the FLBs on July 6, 1988. Loans for the combined FLBs, FLBAs, FICBs, and PCAs for the third and fourth quarter 1988, and first quarter 1989, in millions are: \$42,849, \$41,438 and \$40,337 respectively.

5. Effective Feb. 28, 1989, there was a break in the series due to the enlargement of the panel of reporting dealers to 17 and of reporting direct issuers to 36. End of month figures on the old basis are as follows: All issuers, 481,734; financial companies, 373,717; dealer placed, 172,330; directly placed, 201,387; and nonfinancial companies, 108,017.

† Effective Aug. 1988 SURVEY, free reserves have been restated to correspond with the Federal Reserve's computation, which is as follows: excess reserves, minus borrowings, plus extended credit. Historical data back to 1961 are available upon request.

‡ Effective Oct. 1989 SURVEY, data have been revised from 1984 forward. Effective Jan. 1988, series revised due to changes in the panel of reporting banks. The new reporting panel of 168 banks accounts for about 52 percent of total assets in U.S. offices of domestically-chartered banks.

# Includes data for items not shown separately.

§ Excludes loans and federal funds transactions with domestic commercial banks and includes valuation reserves (individual loan items are shown gross; i.e., before deduction of valuation reserves).

\* New series. Source: The Employment and Training Administration. Covers 50 States and the District of Columbia. Only regular benefits are included.

@ Average weekly insured unemployment for 12-month period divided by average monthly covered employment (lagging 4 full quarters for annual figure and 2 full quarters for monthly figure).

\*\* Effective Oct. 1989 SURVEY, loans by loan type are provided by the Federal Farm Credit Banks Funding Corporation.

**Page S-14**

1. Data are for fiscal years ending Sept. 30 and include revisions not distributed to the months.

2. Weighted by number of loans.

3. Beginning Feb. 1988, data temporarily suspended by the Farm Credit Administration, which is revising the information it collects and amending the reports it distributes.

§ Effective Aug. 1989 SURVEY, data have been revised to reflect new benchmark adjustments. In addition, data for 1984 forward include a number of institutions excluded from earlier data. Effective Apr. 1989 SURVEY, data have been revised to reflect new benchmark and seasonal adjustments. These revisions are available upon request.

† Effective with May 1989 SURVEY, the consumer installment credit series have been revised from 1986 through 1988 to reflect more complete data for most lender groups and new seasonal factors. Effective Apr. 1988 SURVEY, the consumer installment credit series have been revised back to Jan. 1980 to reflect newly available historical information and to incorporate new seasonal factors. These revisions are available upon request.

# Includes data for items not shown separately.

◊ Excludes loans to commercial banks in the U.S.

‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.

## Courtesy of *Metals Week*.

@@ Average effective rate

@ Revised for periods between October 1986 and April 1987. During this interval, outstanding gold certificates were inadvertently in excess of the gold stock.

**Page S-15**

1. Beginning in the first quarter 1987, the universe of manufacturing corporations was redefined to exclude corporations with less than \$250,000 in assets at the time of sample selection.

2. Beginning Jan. 1989, the primary public offering statistics have been discontinued by the Securities and Exchange Commission.

† Effective Feb. 1989 SURVEY, the money stock measures and components have been revised and are available from the Banking Section of the Division of Research and Statistics at the Federal Reserve Board, Washington, D.C. 20551.

## Includes ATS and NOW balances at all depository institutions, credit union share draft balances, and demand deposits at thrift institutions.

◊ Overnight (and continuing contract) RP's are those issued by commercial banks to the nonbank public, and overnight Eurodollars are those issued by Caribbean branches of member banks to U.S. nonbank customers.

@ Small time deposits are those issued in amounts of less than \$100,000. Large time deposits are those issued in amounts of \$100,000 or more and are net of the holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions.

# Includes data for items not shown separately.

§ Effective with the Mar. 1989 SURVEY, data have been revised back to 1986 and are available upon request. Effective Apr. 1988 SURVEY, 1987 data have been revised. Revisions for Jan. 1987: long-term, 7,486; short-term, 372.

**Page S-16**

1. The railroad average was discontinued by Moody's on July 13, 1989. Therefore, the July average reflects only eight working days.

@ See note "4" for p. S-19 regarding the new commodity classification systems introduced Jan. 1989. Effective with the July 1989 SURVEY, seas. adj. data have been revised back to Jan. 1987 and unadj. exports and imports back to Jan. 1988. Effective with the June 1988 SURVEY, total exports and imports have been revised back to Jan. 1986. These

revisions are available upon request. Data may not equal the sum of the geographic regions, or commodity groups and principal commodities, because the revisions to the totals are not reflected in the component items.

† Effective with the June 1988 SURVEY, seasonal adjustment of exports and imports was reintroduced. The monthly data were last adjusted for December 1985. Historical data from Jan. 1986 forward are available upon request.

§ Number of issues represents number currently used; the change in number does not affect the continuity of the series.

‡ For bonds due or callable in 10 years or more.

# Includes data for items not shown separately.

\* Series added to the S-pages in May 1989.

**Page S-17**

1. Beginning with Jan. 1989 data, undocumented exports to Canada are now included, resulting in a break with Dec. 1988 data.

2. Beginning Jan. 1989, buses are excluded from "Motor vehicles and parts" and included in "Other manufactured goods," resulting in a break with Dec. 1988 data.

@ See note "2" for p. S-16.

† See note "1" for p. S-16.

# Includes data not shown separately.

◊ Data include undocumented exports to Canada, which are based on official Canadian import totals.

\* Series added to the S-pages in May 1989.

**Page S-18**

1. Reported annual total; quarterly or monthly revisions are not available.

2. For month shown.

3. Beginning Aug. 1989, the export and import indexes have been discontinued by the Census Bureau.

# Includes data for items not shown separately.

§ Total revenues, expenses, and income for all groups of carriers also reflect nonscheduled service.

† The threshold for Class I railroad status is adjusted annually by the Interstate Commerce Commission to compensate for inflation.

◊ Average daily rent per room occupied, not scheduled rates.

## Data represent entries to a national park for recreational use of the park, its services, conveniences, and/or facilities.

† Before extraordinary and prior period items.

@ Changes in these unit value indexes may reflect changes in quality or product mix as well as price changes.

**Page S-19**

1. Reported annual total; monthly or quarterly revisions are not available.

2. Less than 500 metric tons.

3. Figure suppressed because it did not meet Census publication standards.

4. Effective with the Apr. and May 1989 issues of the SURVEY, most foreign trade series in the "S-Pages" have been converted to metric units. Also, beginning with 1989 data, merchandise trade data are based upon two new commodity classification systems; the International Harmonized System and, Revision 3 of the Standard International Trade Classification and, as a result, data may not be directly comparable to 1988 and earlier years.

5. Effective with the July 1989 SURVEY, data are shown in metric tons.

# Includes data for items not shown separately.

§ Data are reported on the basis of 100 percent content of the specified material unless otherwise indicated.

† Data for 1985-86 (and 1984, for inorganic chemical production items) have been revised. Effective with the Jan. 1989 SURVEY, series for industrial gases have been revised for 1986 and 1987. Effective with the Feb. 1989 SURVEY, series for inorganic chemicals and fertilizer materials have been revised for 1986 and 1987. These revisions are available upon request.

◊ Beginning January, 1986, data are not directly comparable to earlier periods because the data represent only companies that have annual revenues over \$100 million.

**Page S-20**

1. Reported annual total; monthly or quarterly revisions are not available.

2. Quarterly data are no longer available. See also note 4 for this page.

3. See note 4 for p. S-19.

4. Effective with the July 1989 SURVEY, data are shown in metric tons.

§ Data are not wholly comparable from year to year because of changes from one classification to another.

◊ Effective with the Jan. and Nov. 1989 issues of the SURVEY, data for 1986, 1987, and 1988 have been revised and are available upon request.

@ Includes less than 500 electric generation customers not shown separately.

† Effective with the Apr. 1989 SURVEY, data have been revised back to 1983 and are available upon request.

‡ Effective with the Nov. 1989 SURVEY, data for 1987-88 have been revised and are available upon request.

**Page S-21**

1. Previous year's crop. New crop is not reported until Sept. (crop year: Sept. 1-Aug. 31).

2. Crop estimate for the year. See also note 13 for this page.

3. Stocks as of June 1.

4. Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).

5. Crop estimate for 1989.

6. Stock estimates are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column. See also note 13 for this page.

7. Stocks as of Dec. 1.
8. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
9. Prices are no longer available.
10. Based on quotations for fewer than 12 months.
11. See note 4 for p. S-19.
12. Series has been discontinued.
13. Effective with the May 1989 SURVEY, data have been converted to metric units.
14. Nov. 1 estimate of the 1989 crop. See also note 13 for this page.
- § Excludes pearl barley.
- ◊ Quarterly data represent the 3-month periods Dec.-Feb., Mar.-May, June-Aug., and Sept.-Nov. Annual data represent Dec.-Nov.
- † Coverage for 21 selected States, representing approximately 85 percent of U.S. production.

**Page S-22**

1. Monthly quotation not available.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. See note "†" for this page.
4. See note "‡" for this page.
5. Series has been discontinued by the source.
6. See note 4 for p. S-19.
- ‡ Beginning with Sept. 1988 and annual 1988 data, price represents dollars per head and is not comparable with earlier prices, which represent dollars per 100 pounds.
- † Effective with the release of 1st Qtr. 1988 data, the import price index for coffee has been discontinued by BLS and replaced in the SURVEY with the import price index for coffee and coffee substitutes. The weighting structure used for the import price index reflects U.S. foreign trade flows based on 1985 data. Indexes, beginning with 2nd Qtr. 1975, are available upon request.

**Page S-23**

1. Crop estimate for the year.
2. Reported annual total; revisions not distributed to the months.
3. Data suppressed because they did not meet Census publication standards.
4. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
5. See note 4 for p. S-19.
6. Nov. 1 estimate of 1989 crop.
- # Totals include data for items not shown separately.
- ◊ Effective Nov. 1989 SURVEY, data have been revised for 1987 and 1988. Effective Oct. 1988 SURVEY, data have been revised for 1986.

**Page S-24**

1. Reported annual total; monthly revisions are not available.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. Less than 500 tons.
4. See note 4 for p. S-19.
5. Effective with the July 1989 SURVEY, data have been converted to metric tons.
- \* New series from the American Metal Market. The composite scrap price represents the average of consumers' buying prices, delivered, at the following markets: Chicago, Pittsburgh, and Philadelphia. Annual and monthly composite price data are available back to January 1982.

**Page S-25**

1. Reported annual total; monthly revisions are not available.
2. For month shown.
3. Effective with Jan. 1989, import data are for consumption; earlier periods of data are general imports. See also note 4 for p. S-19 regarding the introduction of new classification systems.
4. Prior to the July 1989 SURVEY, annual and monthly data for 1984-88 for aluminum imports and exports were shown incorrectly in thousands of short tons. Beginning with the July 1989 SURVEY, data for those periods have been converted to thousands of metric tons.
- @ Beginning 1987, includes foreign ores.
- § Source: Metals Week.

**Page S-26**

1. Reported annual total; monthly revisions are not available.
2. Less than 50 tons.
3. See note 3 for p. S-25.
- ◊ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.
- ‡ Source for monthly data: American Bureau of Metal Statistics. Source for annual data: Bureau of Mines.
- # Includes data not shown separately.
- \* New series from The Material Handling Institute, Inc. and Cahners Economics. Includes bookings (new orders) for automatic guided vehicles, automated storage and retrieval systems, below hook lifters, cranes, hoists, monorails, racks, shelving, casters and floor trucks, and conveyors. Annual and quarterly historical data back to 1972 are available upon request.
- @@ Beginning Oct. 1986, the Lead price represents North American Mean.

**Page S-27**

1. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
2. See note 4 for p. S-19.
3. Annual total includes revisions not distributed to the months.
- # Includes data for items not shown separately.
- § Includes nonmarketable catalyst coke. See also note "††" for this page.
- ◊ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.
- † Effective with the Oct. 1987, 1988, and 1989 issues of the SURVEY, coal production data for 1986, 1987, and 1988, respectively, have been revised. Effective with the May 1988 SURVEY, coal consumption and stocks back through 1986 have been revised. These revisions are available upon request.

†† Effective with the June 1988 and Aug. 1989 issues of the SURVEY, data for 1987 and 1988 respectively, have been revised and are available upon request.  
 ‡‡ March, June, September and December are five-week months. All others consist of four weeks.

**Page S-28**

1. Reported annual total; revisions not allocated to the months.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. See note 4 for p. S-19.
- # Includes data for items not shown separately.
- † Except for price data, see note "††" for p. S-27.

**Page S-29**

1. Reported annual total; revisions not allocated to the months.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. See note 4 for p. S-19.
- ◊ Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users.
- # Compiled by the American Newspaper Publishers Association.
- † Effective with the April 1988 SURVEY, the import price index for natural rubber has been revised. The index is now expressed on a base of 1985=100. Also new weights based on 1985 trade flows have been applied to all data from 1985 onward. Revised data are available back to 4th qtr. 1983.

**Page S-30**

1. Reported annual total; revisions not allocated to the months.
2. Data are being withheld to avoid disclosing data from individual firms.
3. Data cover five weeks; other months, four weeks.
4. Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
5. Nov. 1 estimate of the 1989 crop.
- # Includes data for items not shown separately.
- ◊ Cumulative ginnings to the end of month indicated.
- § Bales of 480 lbs.
- † Data for 1987 and 1988 have been revised and are available upon request.

**Page S-31**

1. Less than 500 bales.
2. Annual total includes revisions not distributed to the months.
3. Average for crop year, Aug. 1-Jul. 31.
4. For five weeks; other months four weeks.
5. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
6. See note 4 for p. S-19.
- ◊ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes discounts and premiums).
- # Beginning 1st Qtr. 1986; quarterly data are estimated by the American Textile Manufacturers Institute based on annual data collected by the Bureau of Census.
- § Bales of 480 lbs..
- † Beginning 1st Qtr. 1987, data are not comparable with earlier periods. Girls apparel are now included with women's, misses' and juniors' and boys' apparel are now included with men's. Also, some classification changes were made.

**Page S-32**

1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for Oct. 1989: *passenger cars, 621; trucks and buses, 297.*
3. Data are reported on an annual basis only.
4. See note 4 for p. S-19.
5. Beginning with January 1987, data include Honda, Nissan, and Toyota passenger cars produced in U.S. plants.
6. Beginning with January 1987, data include Nissan trucks produced in U.S. plants.
7. Beginning with 1st qtr. 1987, jeans, jean-cut casual and dungarees are included with trousers.
8. See note "†" for this page.
9. Effective with the July 1988 and 1989 issues of the SURVEY, data have been revised back thru 1985 and 1986, respectively, and are available upon request.
10. Data for jumpers are included with dresses to avoid disclosing information for individual companies.
11. Beginning Jan. 1989, shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
- # Total includes backlog for nonrelated products and services and basic research.
- § Domestics comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all other cars.
- ◊ Courtesy of R.L. Polk & Co.; republication prohibited. Because data for some states are not available, month-to-month comparisons are not strictly valid.
- ‡ Excludes railroad-owned private refrigerator cars and private line cars.
- † Effective with the Mar. 1988 SURVEY, retail inventories for trucks and buses have been restated to exclude captive imports (vehicles manufactured overseas by U.S. affiliates). These data are available back through 1966.
- ‡‡ See note "†" for page S-31.

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