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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).¹

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.

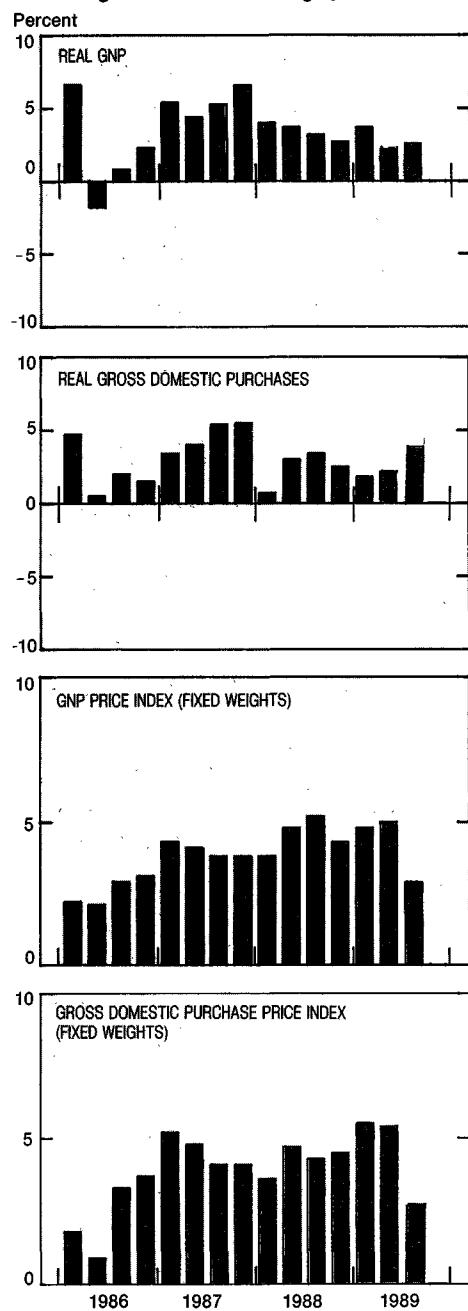
The broad picture of the economy sketched in last month's "Business Situation" was not greatly altered by the revisions. Real GNP increased at the same pace in the third quarter as in the second. Real gross domestic purchases increased considerably more than in the second quarter, reflecting a sharp 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.² 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		
Government sector							
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	
Federal Government							
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	
State and local governments							
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 ¹	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 ¹	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 ¹	-112.6	-73.7	-74.9	-66.2	-70.8	-54.0	-50.6	-53.5
Exports ¹	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Imports ¹	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 ¹	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 ¹	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 ¹	-115.7	-74.9	-72.6	-74.9	-73.8	-55.0	-51.2	-63.6
Exports ¹	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Imports ¹	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 ²	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 ³	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
Addendum:								
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 ²	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 ³	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
Addendum:								
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 ¹	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 ²	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 ¹	95.3	101.6	103.0	105.9	107.6	106.9	107.1	103.0
Sales of imported new autos ²	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 ¹	81.1	84.5	86.2	88.1	88.6	86.9	87.1	83.7
Sales of imported new autos ²	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 ¹	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

November 1989

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 ¹	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	-5.2	-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 ¹	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 ¹	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 ¹	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 ¹	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 ¹	22.2	23.8	23.9	23.4	23.6	22.3	22.8	25.1
Weapons support ²	8.8	8.9	9.0	8.5	9.1	8.9	9.0	9.0
Personnel support ³	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 ¹	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Exports of goods and services ¹	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Merchandise ²	255.1	322.0	314.4	327.5	341.0	358.7	372.1	373.2
Durable goods ²	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 ¹	193.5	225.7	218.1	229.3	238.6	246.9	254.0	250.1
Factor income ^{3,4}	96.6	116.7	111.3	118.1	125.5	131.9	136.2	129.5
Other ⁵	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 ⁶	448.6	547.7	532.5	556.8	579.7	605.6	626.1	623.3
Imports of goods and services ⁶	561.2	621.3	607.5	623.0	650.5	659.6	676.6	676.8
Merchandise ²	412.4	449.0	439.5	448.8	468.8	469.8	480.0	481.7
Durable goods ²	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 ⁶	148.8	172.3	168.0	174.2	181.6	189.8	196.6	195.1
Factor income ³	66.1	83.4	81.3	85.9	91.0	97.3	103.2	103.4
Other ⁷	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 ¹	17.5	18.2	18.4	17.8	17.8	16.8	16.9	18.1
Weapons support ²	7.7	7.6	7.7	7.3	7.6	7.4	7.5	7.3
Personnel support ³	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 ¹	450.9	530.1	519.7	531.9	551.4	569.7	587.5	589.8
Merchandise ²	285.7	344.3	339.0	344.1	358.6	372.5	386.9	393.5
Durable goods ²	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 ¹	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 ¹	30.5	37.0	36.9	37.8	39.5	38.7	39.3	37.9
Durable goods ^{1,2}	18.5	23.1	22.9	23.6	24.9	25.0	24.9	24.1
Nondurable goods ²	12.0	14.0	14.0	14.2	14.5	13.7	14.4	13.8
Merchandise imports ¹	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 ¹	19.7	22.3	21.2	22.5	24.4	22.7	23.1	23.6
Durable goods ^{1,2}	9.8	11.2	10.6	11.2	12.2	11.4	11.5	11.8
Nondurable goods ²	9.8	11.2	10.6	11.2	12.2	11.4	11.5	11.8
Addenda:								
Exports of agricultural products ³	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 ¹	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	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	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 ¹	32.0	37.5	37.4	39.7	39.0	39.2	39.2	39.2
Durable goods ^{1,2}	20.0	24.5	24.2	24.5	26.6	26.5	26.2	26.7
Nondurable goods ²	12.0	13.0	13.2	13.1	12.5	13.1	12.6	12.6
Merchandise imports ¹	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	47.1
Nondurable goods	33.3	33.9	32.9	33.8	35.1	33.3	34.8	36.2
Other ¹	17.8	18.7	17.8	18.9	20.0	18.6	19.0	19.5
Durable goods ^{1,2}	8.9	9.4	8.9	9.4	10.0	9.3	9.5	9.8
Nondurable goods ²	8.9	9.4	8.9	9.4	10.0	9.3	9.5	9.8
Addenda:								
Exports of agricultural products ³	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 ¹	-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 ¹	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 ²	341.0	345.8	354.4	360.0	366.6	372.3	
Final sales of goods and structures ²	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 ¹	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 ¹	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 ²	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 7.15.—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'
Merchandise exports								
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
Merchandise imports								
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'
National defense purchases								
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	89.7	88.9	88.5	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 ¹	126.8	130.6	129.4	131.2	132.8	132.8	135.0	138.0
Weapons support ²	114.6	117.6	116.7	117.7	119.2	119.9	121.1	122.8
Personnel support ³	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'
Government purchases of goods and services								
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								
Durable goods	110.6	113.4	112.9	114.0	115.0	116.2	117.0	117.7
Nondurable goods	95.0	97.3	97.1	97.7	98.4	101.8	104.2	103.5
Services	129.9	136.7	136.2	137.8	139.5	141.5	143.2	144.9
Compensation of employees	130.6	137.8	137.3	139.0	140.8	142.7	144.5	146.4
Other services	126.6	131.6	131.2	132.3	133.4	135.8	137.0	137.9
Structures	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'
Current-dollar cost and profit per unit of constant-dollar gross domestic product¹								
Capital consumption allowances with capital consumption adjustment								

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 ^r				II	III	IV	I	II	III ^r			
Gross national product:																				
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												
Personal consumption expenditures:																				
Current dollars ¹	7.6	7.4	7.4	7.5	7.6	7.1	7.6	8.3												
1982 dollars ¹	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												
Durable goods:																				
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												
Nondurable goods:																				
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												
Services:																				
Current dollars ¹	9.8	8.5	6.9	8.9	7.9	8.9	7.9	8.8												
1982 dollars ¹	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												
Gross private domestic investment:																				
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																				
Fixed investment:																				
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												
Nonresidential:																				
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													
Structures:																				
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												
Producers' durable equipment:																				
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												
Residential:																				
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												
Exports of goods and services:																				
Current dollars ¹	13.1	22.1	8.6	19.5	17.5	19.1	14.2	-1.8												
1982 dollars ¹	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												
Imports of goods and services:																				
Current dollars ¹	13.6	10.7	2.1	10.6	18.9	5.7	10.7	.1												
1982 dollars ¹	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 ¹				
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

¹ 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) ¹	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 ²	1.8	1.8	1.8	1.8
Other differences ³	-.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
Based on 6-percent unemployment rate trend GNP:													
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
Annual				
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
Quarterly				
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

^a Revised.^b 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

^a Revised (1987-dollar estimates only).^b 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).¹ The 1989 decrease was more than accounted for by sales of imported cars and trucks. Sales of both domestic cars and trucks increased slightly.²

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

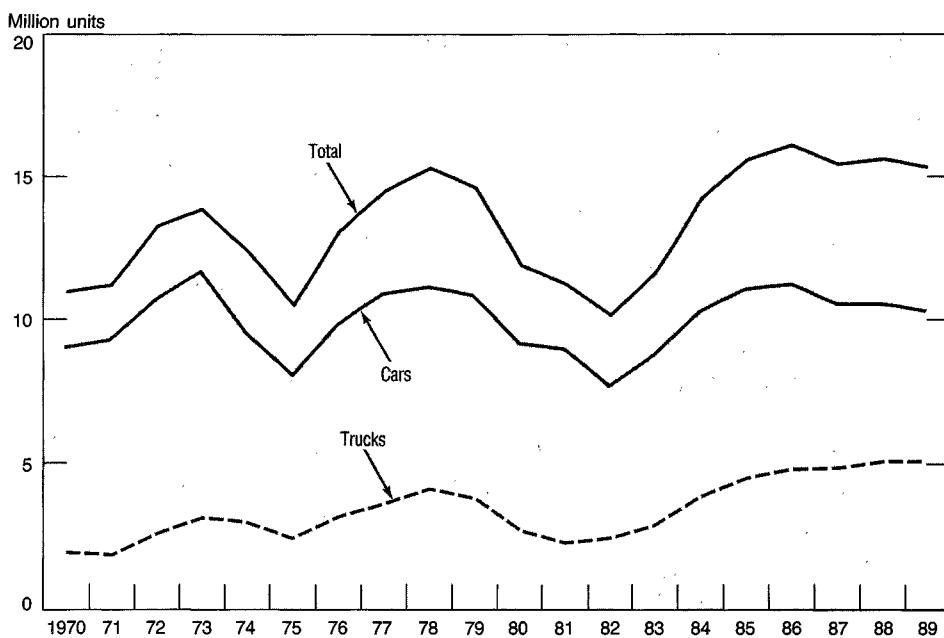
6-percent increase in 1988.³ The increases in average expenditures, which were well above the increases in the consumer price index for new cars, indicated that consumers shifted purchases to bigger cars or to cars with more optional equipment.

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

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 ¹						1,566	1,619	1,690	1,732	1,577	
Domestic car inventory-sales ratio ²						2.53	2.60	2.90	2.84	2.41	
Dollars											
Average expenditure per new car ³	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).

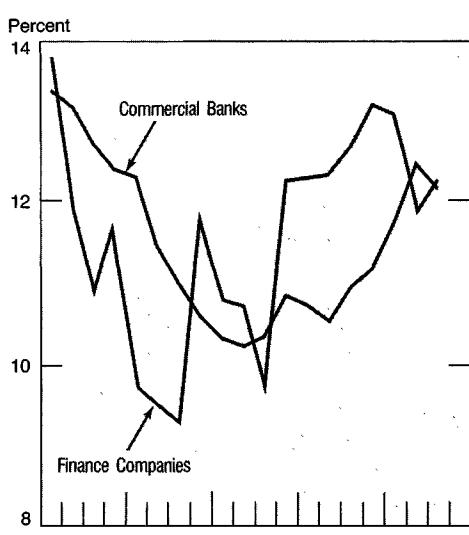
Import car sales fell 7 percent to 2.9 million—the lowest level since 1985—after declining 2 percent in 1988. The declines reflected, in part, increases in sales of foreign models manufactured in the United States, which are counted as sales of domestic cars; previously these models had been imported. 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

89-11-3

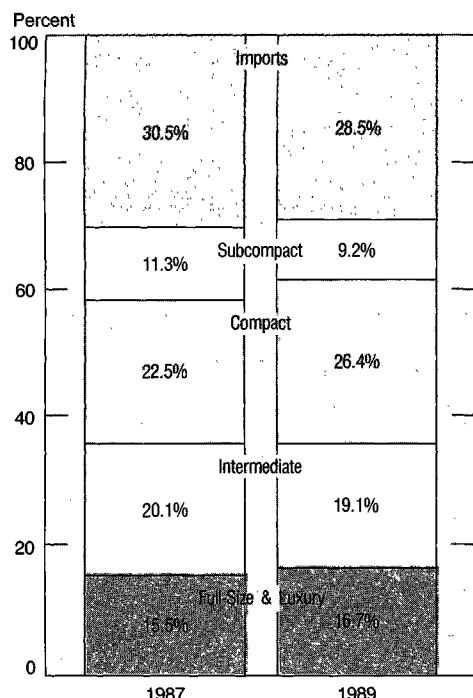
the second half of the model year primarily reflected enhanced sales-incentive programs—featuring rebates or below-market financing—offered by manufacturers.

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.⁴

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.

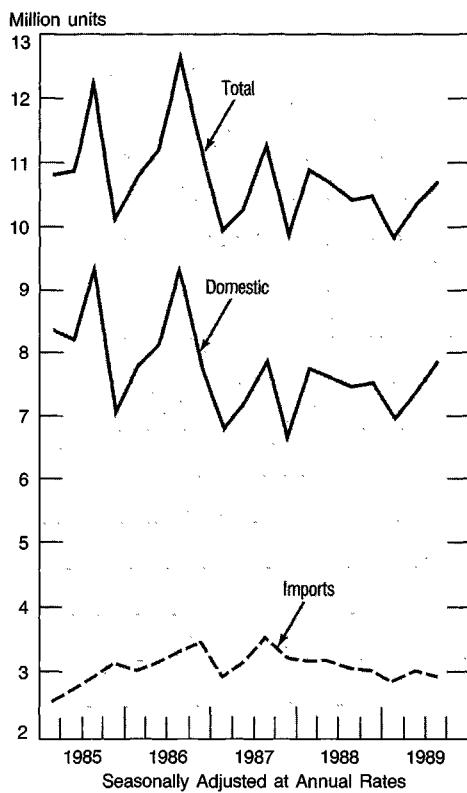
With inventories still high, domestic manufacturers again enhanced their incentive programs early in the third quarter. The new incentives covered nearly all 1989 models and, in September, many 1990 models. Many of these programs were the most attractive ever offered by manufacturers. Interestingly, 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

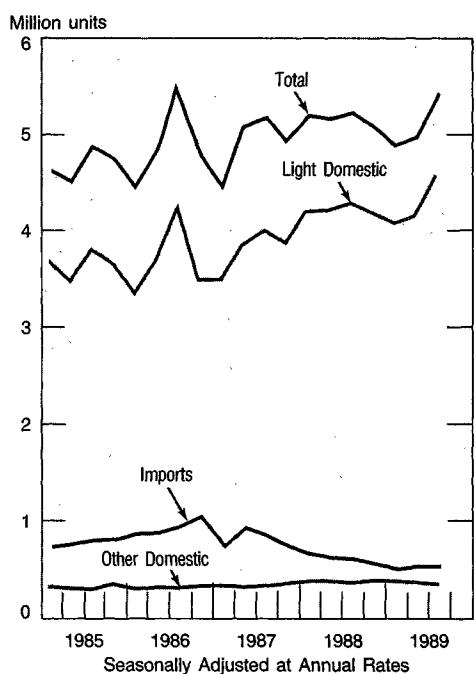
a substitution of truck purchases for car purchases, particularly by families purchasing second or third vehicles. Light trucks offer recreational and utility features, such as increased passenger and load-carrying capacity; families purchasing a second or third vehicle often purchase a truck for these 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 1985.¹ 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.² 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 ¹	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.³

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.⁴ 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	21	5	1	(*)	
63	Optical, ophthalmic, and photographic equipment.....			1	7	(*)	(*)	7	10	6	2	
64	Miscellaneous manufacturing.....	9	13	(*)	6	4	1	7	10	8	36	
65	Transportation and warehousing.....	1,430	1,198	89	402	50	64	282	462	81	11	
66	Communications, except radio and TV.....	213	287	7	4	2	4	26	111	3	5	
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	3	
80	Noncomparable imports.....		(*)	4	2	1	4	39	15	343	3	
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.

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	Commodity number	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
			59,170 23,928 1,700	3,165	117 1,347 2	76 21 (*)	15 370 1		4,821 70				41 2			60 56 175	1	
1,003	1,929	1	11 135	9	46 5	5	8	2	10	1	6	1	375 4	6	5	130 561 352	2	
			76 19										274 40			3,332 365 1,766	3	
1,445	1,302															10	14	
653 19 11	232 1 3	1,924	136 1	1,631 51,265	27 5 2	264 (*) 8	65 (*) 11	217 7	47	325 (*) 4	6	109	96	786 402	187 4	368 26	843 (*) 564	15
			2		12,476	2,381	12,063	3,938				962 196 31	5 9 3	788 393 3,941	42 9 2		16 17 18	16
1,892 26 77	470 8 64		13 16	2	411 6 77	848 103 875	128 9,502 420	1,110 118 14	56 (*)	219 44 18	212 10 1	15 1 1	393 10 1	91 9 1	17 2 25	13 14 15	17	
19,655	2,731		29 37	1 6	1			24	14,488	196 2	1,963 5	940 9 5	3,941 2 2	2	101	19,680 2,362 13	15	
108 749	35		58	4							26	5				22	21	21
943 10 9	492 35 52		8 35 1,816	279 111 192	96 85 25	99 85 16	257 266 85	55 129 35	15 121 32	40 2	63 170 35	5 176 20	788 1,067 76	9,256 820 28	17,331 260 9,310	780 366 203	16	
696	454		53	2,427	27	829	581	137	13	817	50	110	2,113 545	545	2,362	19,680 2,362 13	15	
			32 70		6,451	3,215	1,796	136	31	4	71	7	1,578 207	207		820 25	25	25
93 2,562 8,137 1,266	45 2,037 4,173 1,015		2 1,410	14	109	33	218					159 114 114				366 30 647	29	
			3		3	4		(*)	271		163	120 17	120 37			30 733	30 2,733	30
2,70 19,517 5,287 3,948	201 5,377 1,248 1,094		2	73 399	413 467	144 575	376 323	42 478	827 358	9	126 91	91 923	2,754 646	337 46	19,680 2,362 13	2,733 2,362 721	29	
3 19,517 5,287 3,948	1 (*) 2		1		152	37			334 30 13	2	75 304 111	88 1,302 191	22 1 84	1 107 60	1 1 36	366 30 933	30	30
20,398 148 6,800	6,872 64 3,380		8,754	1					277 163		64	6					669 40 252	33
									128									40
439 1,153 49	51 448 16		3 117	1 44	39 16	7	3 14	21					1 29 78		1 16	780 260 19	19	44
1,306 151	211 56		201 245	82 274	151 239	168	108 6	12	32 91	1 5	13 50	56 31	263 165	93 71	517 80	517 109	670 270 50	51
3,772 2,375	1,727 874 133		61						22								91 37	52
1,055 4,934 1,452	546 1,733 466		(*) 1,526	22 3	(*) 21	5 1	43 6	1 1	20 1	(*) 1	3 1	39 4 6	(*) 1 2	1 2 1	1 9 6	1 1 1	54 55 57	54
355 116	110 50		14 32	2 12	(*) 1	1 2	(*) 5	3		51 (*)	2 1	(*) 1	4 9	1 3	1 17	10 2	58 59 60	58
3 1,093 11 613 6,318	1 477 56 203		1,953	1 1					3			3					61 138 13 5	61
																		61
1,673 26,829 3,428 906 431 41,222 8 1,549	638 9,873 868 354 112 3,008 3 291		470 353 104 140 46 1,086 193 26	5,984 14,329 1,485 1,041 707 1,159 741 595	91 161 143 54 11 1,159 25 35 66	1,464 1,369 120 98 57 1,474 171 26	435 513 77 52 23 368 44 26	793 1,981 334 574 193 1,750 280 136	175 538 69 110 65 343 820 27	1,294 2,071 387 216 80 892 161 215	14 33 1 6 2 26 6 2	253 721 509 143 41 776 97 93	279 5,352 116 138 41 787 1,970 80	4,727 3,202 382 372 235 787 349 200	406 3,202 66 133 28 624 6,492 419	1,275 3,236 1,024 1,989 720 3,229 533 103	8,329 69 70 682 71 73 6,492 138	67
4 10 220 117 1	1 11 107 20 8 4,564		8 9 51 67 25 29	2 3 51 35 12 15	(*) 3 51 305 184 63	4 3 1 11 103 8	4 57 38 47 11 103 8	1 81 2 47 5 29 1 821	1 3 1 2 1 1	20 39 46 47 29 73 8	6 50 4 90 83 8 73	6 4 218 94 32 1,870 29 46 40	10 13 13 96 80 80 50	138 13 77 78 79 80 81	67			
198,615 143,588 342,203	58,456 76,338 134,794		11,736 11,637 23,372	223,219 71,494 294,714	10,626 12,545	29,528 9,429 38,957	10,809 2,815 13,624	35,720 20,608	8,359 4,188	31,472 17,942	393 186	9,592 5,815	7,485 6,628	46,420 24,896	14,428 7,854	56,421 47,635	59,834 31,385 91,219	85 VA 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	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	Industry number	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													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	33	145	117,061	229													2,371	
9	Stone and clay mining and quarrying.....		53	381	34														107	
10	Chemical and fertilizer mineral mining.....		4	10	9			2												
11	New construction.....																			
12	Repair and maintenance construction.....	343	213	81	1,239	462		7	27	127									631	
13	Ordnance and accessories.....																		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																	185	
17	Miscellaneous textile goods and floor coverings.....		17																	
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													205	
21	Wood containers.....					6													(*)	
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													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	
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															10	
41	Screw machine products and stampings.....		181	14		202			17	26									15	
42	Other fabricated metal products.....	54	418	46	321	386	(*)	65	8	373									4	
43	Engines and turbines.....					20														
44	Farm and garden machinery.....																			
45	Construction and mining machinery.....																		161	
46	Materials handling machinery and equipment.....																		3	
47	Metalworking machinery and equipment.....	11	13	1	8	6		(*)											31	
48	Special industry machinery and equipment.....	15																	4	
49	General industrial machinery equipment.....	73	100	1	209	18		(*)											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.....																			
53	Electric industrial equipment and apparatus.....																			
54	Household appliances.....		(*)	(*)	(*)	(*)														
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.....																			
58	Miscellaneous electrical machinery and supplies.....			6		1	16			(*)									1	
59	Motor vehicles and equipment.....	1	4	4	140	34		(*)											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.....																			

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 ²	1	(*)	1	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	1	
73	2,299	25	2	8	8	1	3	6	2	2	(*)	2	2	(*)	4	2	
2,994 ³⁴	25	(*)	2	8	8	1	3	6	2	2	(*)	2	2	(*)	4	7	
34	340	20	4	8	8											8	
33	33	1														9	
1,411 ⁵	378	100	560	341	330	107	51	107	40	68	66	126	63	314	83	10	
6	4	1	5	2	4	1	1	1	2	2	2	3	2	11	2	11	
32				2								127				16	
13	2	4	2	4	4	14	4	1	1	1	3	2	7	2	2	17	
1	1	1	1	31									1	1		18	
108 ⁹	141	17	78	78	185		29	14	7	10	32	47	5	59	25	19	
17	17		32	24	3		1	2	4	7	2	7	1			21	
4													16			22	
11	37	12	38	61	11	27	6	3	3	5	4	74	5	172	24	23	
59	89	43	180	196	477	45	38	4	4	70	13	86	107	188	154	24	
37	41	210	50	41	61	13	12	17	12	28	24	34	28	111	28	25	
2,215	1,043	11	66	195	1,141	1	2	11	2	126	169	21	5	109	101	26	
778	778	28		64	125							16		85		27	
1	1	8	17	15	16								2			29	
23	41	263	145	111	297	6	32	21	7	24	8	6	65	57	30	30	
1,093	742	50	264	104	283	105	30	53	69	139	96	260	82	383	149	31	
65	357	16	335	219	1,221	57	309	288	96	104	209	274	27	2,428	444	32	
3	(*)															33	
3	17	(*)	391	24	53	(*)		(*)			(*)			1	(*)	34	
529	169	8	79	34	163	106	22	93	19	213	60	157	58	92	151	35	
11,044 ³⁷	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	36	
1,277	18,155	1,778	3,954	1,216	2,470	554	119	91	139	339	291	637	458	795	1,249	37	
4	2	458	683	16	10											38	
201	113	8	1,070	990	594	327	229	96	63	100	83	292	88	950	489	40	
584	421	138	1,321	516	1,821	172	132	211	115	146	244	311	229	692	478	41	
19		2		55	1,715		1,035	617	110		117	150	47			42	
201	214	1	308	54	158	148	84	208	222	362	523	843	70	1,814	1,380	43	
566								979	6							44	
15	16							342	8							45	
406	515	54	211	394	293	197	73	123	51	909	159	309	293	226	175	46	
67	24			2	16						422					47	
717	410	2	278	30	44	346	565	1,153	470	332	501	1,645	200	68	595	48	
242	192	55	213	299	367	361	386	208	225	151	469	693	1,403	88	545	50	
5	1		93											13,579		51	
566	214	1	308	54	158	148	84	208	222	362	523	843	70	1,814	1,380	52	
9	4	1	13	32	5	1	34	1	1	33	2	2	2	188	158	53	
(*)	(*)	(*)	1	(*)	1	(*)	(*)	(*)	(*)	11	30	54	4,058			56	
2	1	(*)	1	1	1	243	109	1	7	1	(*)	(*)	49	(*)	58	57	
3	4	1	22	66	4	89	226	227	2	3	9	2	29	9	1	59	
5												47				60	
150	55	2	75	11	22	2	2	3	2	33	5	67	6	43	276	61	
10	3	3	8	7	14	6	3	5	3	7	6	9	36	8	62	63	
9	6	1	25	4	14	1	1	8	5	4	2	3	3	71	40	64	
2,330	1,762	325	739	511	711	173	190	220	75	207	184	352	243	1,328	351	65	
75	96	13	169	193	196	35	24	93	24	57	81	163	74	307	81	66	
5,209	3,567	278	653	705	1,164	194	173	273	88	333	202	447	341	645	325	67	
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	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	3	1	12	2	2	2	2	1	1	2	2	9	2	1	(*)	76	
12	33	11	38	61	37	6	4	3	3	20	7	30	31	33	19	77	
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	9			81	
																82	
																83	
																84	
																85	
41,356	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		
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	1	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	
1	Livestock and livestock products.....										
2	Other agricultural products.....										
3	Forestry and fishery products.....										
4	Agricultural, forestry, and fishery services	1		(*)	3	2	(*) 9 37	1	1	1	
5	Iron and ferroalloy ores mining.....						6				
6	Nonferrous metal ores mining.....										
7	Coal mining.....	4	7	4	7	2		59	7	2	
8	Crude petroleum and natural gas.....										
9	Stone and clay mining and quarrying.....										
10	Chemical and fertilizer mineral mining.....										
11	New construction.....	200	102	68	249	407	70	386	279	88	
12	Repair and maintenance construction.....										
13	Ordnance and accessories.....	4	2	1	(*) 4	10	1	3	5	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			455	31		5	6	
22	Household furniture.....									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										
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	(*) 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			31		23	4	17	664		62	148	1	
(*)	1	1	28	6			4		39	1,050		1,131		15	173	2	
6	2	10	3	6		11,474	34,153			107	17	3	(*)	140	23	3	
2			225						11						242	4	
			35												5	5	
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	1	(*)	126	41,205	4,337	12	
343							1			207					52	13	
275	17	68	58			70				23	3	28	17	25	59	16	
33	1	23	111	64	(*)	5	106		3	487	57	60	139	139	543	17	
1	1	10	120			21	143		2	630	14	84	(*)	64	599	18	
39		594	37			88	1,010		5	119		31		119	70	19	
5			7	(*)			21				2				21	20	
277	679	463	114	63	8	73	3,621	836	98	230	911	241	20	35	1,805	24	
224	155	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	32	
		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		125		407			43	
											318			1		44	
											239				1	45	
117	27	37	80	2	(*)	22	151				158		13	(*)		46	
		18					63				130	95				47	
34	58	16	456	94		90	4	21	10	497						48	
185	100	100	117	8	2	78	628			66	233	3	319	7	34	49	
28			9			3	22	46	5	723	279				51	50	
422	71	99	196			196	3			37	22	301	665	31	24	52	
			19	(*)		25	6	36	677	67	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					56	
18	16	1	67	16	(*)	7	154	24	14	11	130	13	541	2	668	57	
4	3	3	407	239	1	34	506	43	25	17	163	22	8,739	37	89	58	
			1,909			130										59	
			14	1,064	10	2	11	51		5	405			10	263	60	
615	22	9	45	1	(*)	229	110	1	1	38	62	(*)	16	(*)	3,738	61	
19	892	16	45	23		241	57	293	216	835	1,710	6	2	207	1,170	62	
38	4	1,166	106	60	5	30	767	336	79	646	1,646	184	18	130	667	63	
348	578	708	29,824	548	226	3,297	12,850	2,536	592	439	5,167	2,253	1,957	737	4,961	64	
163	160	218	1,844	1,972	138	573	9,498	5,249	1,012	1,119	5,619	811	809	501	3,844	65	
											347					66	
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	67	
967	753	1,405	4,531	385	83	2,040	8,094	813	1,262	1,239	2,399	7,838	342	4,925		68	
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	69	
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	70	
62	108	86	522	237	150	276	2,761	1,340	140	1,161	2,566	904	179	483	2,256	71	
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	72	
251	324	196	2,255	408	296	222	11,445	2,644	1,439	577	4,259	290	190	646	3,707	73	
235	85	81	4,138	240	13	273	10,067	844	337	598	2,847	267	342	728	2,199	74	
35	24	13	75	5	4,496	14	1,512	6	(*)	32	394	1,800	(*)	6,793	720	75	
72	114	96	392	134	53	210	789	1,033	207	615	1,466	342	54	339	5,146	76	
75	50	122	288	410	21	398	3,495	6,063	1,197	268	2,324	245	47	107	2,208	77	
10	8	10	201	101	31	39	466	72	98	110	88	144	74	25	248	78	
98	62	1,096	6,635	2,405	105	9	1,184	1,453	7	35	791	71		108	58	79	
			4							25				174		80	
																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.....			73					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.

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			15		
8	Crude petroleum and natural gas.....						3		137,166	(*)		
9	Stone and clay mining and quarrying.....					7	1	5	3	7,063		
10	Chemical and fertilizer mineral mining.....					6			5	5		1,845
11	New construction.....											
12	Repair and maintenance construction.....											
13	Ordnance and accessories.....											
14	Food and kindred products.....		8									
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.....										83	3
31	Petroleum refining and related industries.....											
32	Rubber and miscellaneous plastics products.....											
33	Leather tanning and finishing.....											
34	Footwear and other leather products.....											
35	Glass and glass products.....											
36	Stone and clay products.....									267		7
37	Primary iron and steel manufacturing.....											
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.....									201		
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.....	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 5	279 12,874 52 (*) 1	324 13 246 2 11	1,298 60 24 2 31	6 69 42 515 80	10 1 2 1 125	39 61 37 1 5	116 80 19 9 74	15 12 1 9 15	15 12 1 6 401	92 1 952	8	
					150	20	36	12,318	6	38	5	74	1	14	401	10	
					(*) 10	2 3	185	49	48,686 42 80	1 1 1	32 6 48	14,879 2 1 13,606	32 6 9	12 3 6	64	11	
						4	36	15	2 12	1	15	14,879 2 1 13,606	2 15 9	2 2 2	283	12	
						364 14 322 3	214	97	6 2	12	15	591 2 1 1 1 1	110 172 8 19 2 28	382 68 6 6 8 38	283 24 25 26 27 28 29 30 31 32 33	23	
						10	6	38	14	61	12	167	167	47	13,466 412	34	
						51 2	148	40	45 4	21	2	61	12	5	6	34	
						1	34	31	9 2 3	4	4	(*)	5	4	35		
						5	28	8	46	33	4	130 1 1 1 1	11 11 12 11	106 308 231 38	36		
						15			9	4	3	29	11 78	249	13		
						38			61	3	20	27 6 10 52 5	18 3 30 220 5	2 2 2 87	101 41 21 43	40	
						83 30 61	9	23 8	4 31	1	27	52 220 87	30	29	44		
						7			11	2	5	5	30	30	35		
						43 52			1	7	1	8 3 3 4 1	8 3 3 5 1	(*) 9	46		
						7 2	1	2	1 8	12	1	1 1 1 43 7	1 1 1 23 7	19 52 34 50	47		
						5 3 9	15		4 2 9	1	1	43 23	4	57	48		
						17 57 627 51	10 3 21	4 4	9 4	9 1 1 28 8	11 31 4 2 2	11 18 21 16 7	1 11 11 16 1	24 9 7 14 28	53		
						58 679	21	34	3	3	8	122 26	48	40	3	59	
						57 21 2	1	23	11	1	21	19 21 93	10	6	110	61	
						10 (*)	3 2	7	8	58	8	9 88 43	32 32 4	79	197 189	62	
															334	63	
															88	64	
															77	65	
															78	66	
															79	67	
															82	68	
															83	69	
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															88	81	
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															88	83	
															88	84	
															88	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	36
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
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																52
64,273	428	52,350	17	144	1,683	38,285	13,609	11,824	346	21	20	43	105	105	44	114
332	113	8	151	173	173	33	34	54	43	241	114	145	75	29	20	1
																36
																37
																38
																39
																40
																41
																42
																43
																44
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																49
																50
																51
																52
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								8	1	2
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	212	4	9	15	3	
24	Paper and allied products, except containers	3		2			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							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	5
62	Scientific and controlling instruments	206	31	57	232	137	47	114	42	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 T
																6,985
11	13	19														
38	15															
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	9	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		1,338				
					1,510		258,070					19,411				
							663,993									
								272,436		1,125		1,155				
										581,377						
										557		95				
										2,343		38	337,215			
												165,407		80,567		
													689		51,925	
													432		373,451	
													2,506		55	
													594		354	
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	T

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

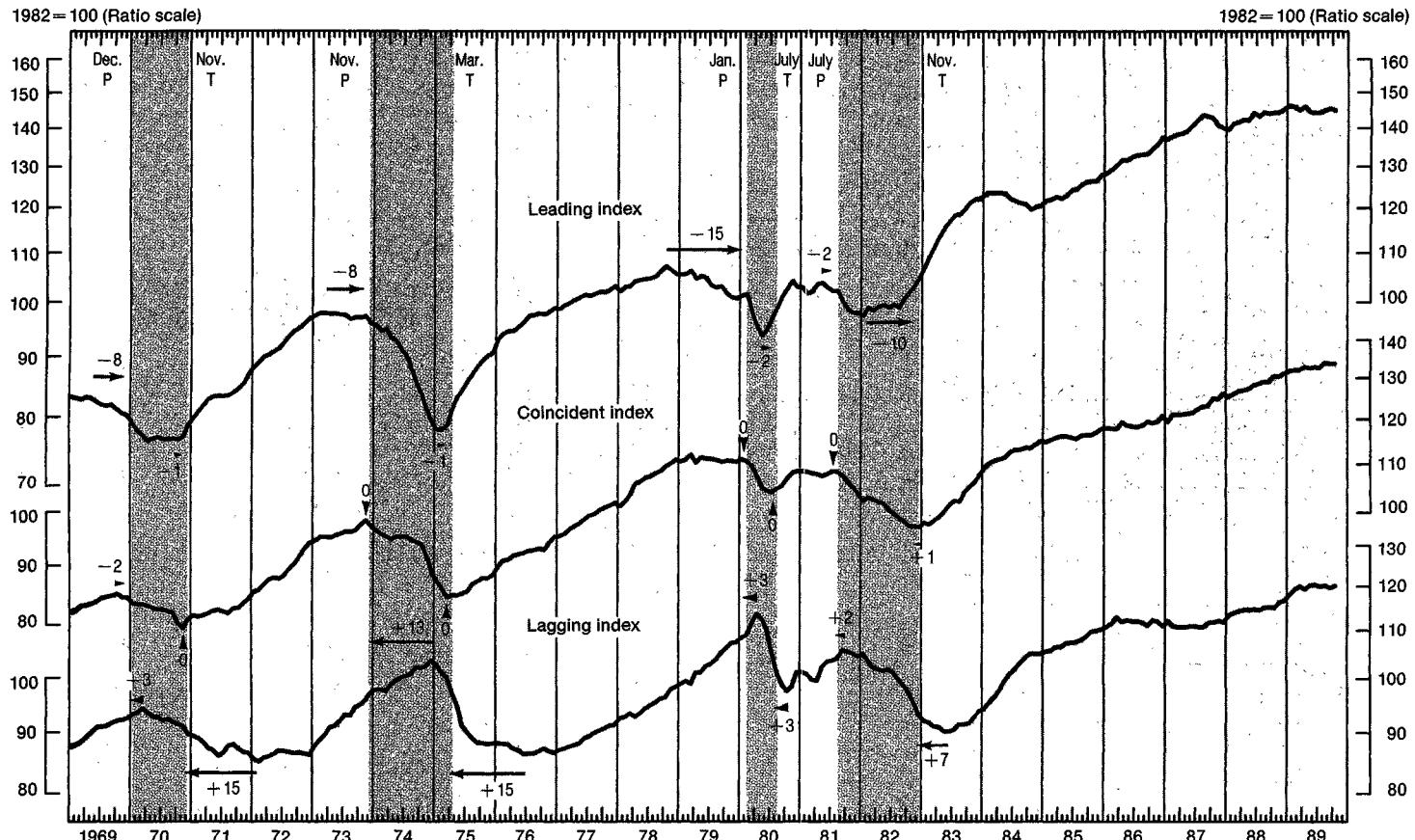
Recent Data and Percent Changes

Index	1988		1989												1988	1989		
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^a	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		

^a Preliminary.^b Revised.

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

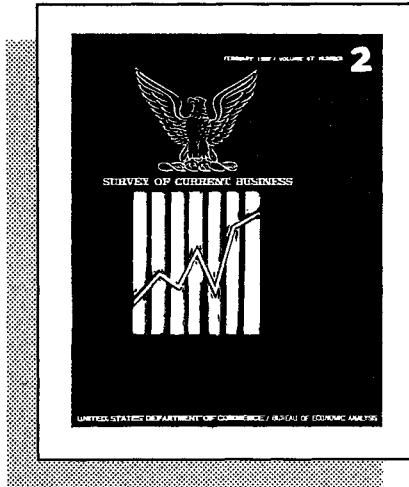
Long -Term Perspective: January 1969 to October 1989



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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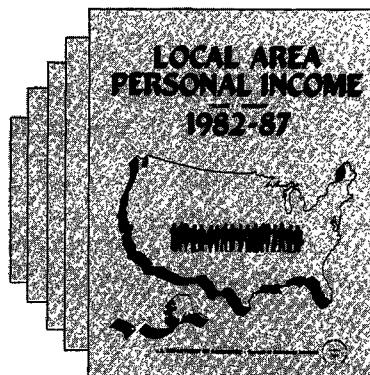
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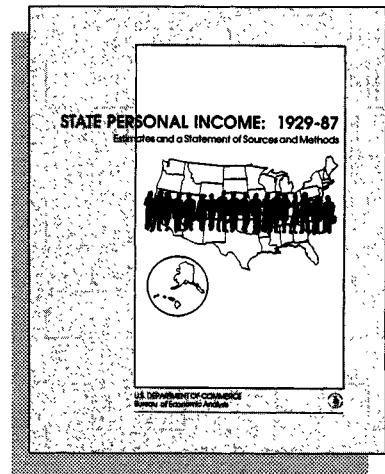
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CURRENT BUSINESS STATISTICS

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 BUSINESS STATISTICS: 1986	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
GENERAL BUSINESS INDICATORS																	
PERSONAL INCOME BY SOURCE †																	
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
DISPOSITION OF PERSONAL INCOME †																	
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
INDUSTRIAL PRODUCTION ◊																	
<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.

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DOMESTIC TRADE—Continued																	
RETAIL TRADE †—Continued																	
All retail stores—Continued																	
Estimated sales (seas. adj.)—Continued																	
Nondurable goods stores mil. \$																	
General merch. group stores do																	
Department stores excluding leased departments do																	
Variety stores do																	
Food stores do																	
Grocery stores do																	
Gasoline service stations do																	
Apparel and accessory stores # do																	
Men's and boys' clothing and furnishings stores do																	
Women's clothing, specialty stores, and furriers do																	
Shoe stores do																	
Eating and drinking places do																	
Drug and proprietary stores do																	
Liquor stores do																	
Estimated inventories, end of period:																	
Book value (non-LIFO basis),																	
(unadjusted), total mil. \$																	
Durable goods stores # do																	
Bldg. materials, hardware, garden sup- ply, and mobile home dealers do																	
Automotive dealers do																	
Furniture, home furnishings, and equipment do																	
Nondurable goods stores # do																	
General merch. group stores do																	
Department stores excluding leased departments do																	
Food stores do																	
Apparel and accessory stores do																	
Book value (non-LIFO basis), (seas. adj.), total do																	
Durable goods stores # do																	
Bldg. materials, hardware, garden sup- ply, and mobile home dealers do																	
Automotive dealers do																	
Furniture, home furn., and equip do																	
Nondurable goods stores # do																	
General merch. group stores do																	
Department stores excluding leased departments do																	
Food stores do																	
Apparel and accessory stores do																	
Firms with 11 or more stores:																	
Estimated sales (unadj.), total mil. \$																	
Durable goods stores do																	
Auto and home supply stores do																	
Food stores do																	
Nondurable goods stores # do																	
General merchandise group stores do																	
Department stores excluding leased departments do																	
Food stores do																	
Apparel and accessory stores do																	
Firms with 11 or more stores:																	
Estimated sales (sea. adj.), total # .. do																	
Auto and home supply stores do																	
Food stores do																	
Apparel and accessory stores do																	
Eating places do																	
Drug stores and proprietary stores do																	
Estimated sales (sea. adj.), total # .. do																	
Food stores do																	
Apparel and accessory stores do																	
Women's clothing, specialty stores, and furriers do																	
Shoe stores do																	
Long term, 15 weeks and over do																	
Unemployed do																	
Seasonally Adjusted ◊																	
Civilian labor force, total do																	
Participation rate † percent.																	
Employment-population ratio † percent.																	
Agriculture thou. do																	
Nonagriculture thou. do																	
Unemployed thou. do																	
Seasonally Adjusted ◊																	
Civilian labor force, total do																	
Participation rate † percent.																	
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Agriculture thou. do																	
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Unemployed thou. do																	
Long term, 15 weeks and over thou. do																	
See footnotes at end of tables.																	

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LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																		
EMPLOYMENT §—Continued																		
Seasonally Adjusted																		
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	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	1,207	
Tobacco manufactures.....	do	42	42	40	41	42	42	41	41	41	40	38	38	39	39	38	38	
Textile mill products.....	do	630	632	629	629	628	628	630	630	630	630	630	630	631	627	624	627	
Apparel and other textile products.....	do	923	919	912	912	916	919	922	926	930	927	925	922	922	919	915	911	
Paper and allied products.....	do	516	524	523	524	525	525	524	524	525	524	525	525	528	528	526	528	
Printing and publishing.....	do	841	874	878	881	883	886	887	888	891	889	891	892	893	894	892	893	
Chemicals and allied products.....	do	575	596	600	602	604	607	608	610	609	614	616	614	617	614	614	617	
Petroleum and coal products.....	do	107	105	106	106	106	105	104	105	105	105	106	107	107	107	107	107	
Rubber and plastics products.....	do	629	646	647	652	655	656	656	659	660	660	660	656	657	658	654	655	
Leather and leather products.....	do	120	119	119	118	118	118	119	119	118	118	117	116	115	116	115	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	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	4,865	4,752	4,780	4,780	
Wholesale trade.....	do	4,682	4,854	4,890	4,917	4,931	4,948	4,970	4,990	5,007	5,016	5,021	5,038	5,036	5,050	5,050	5,050	
Retail trade.....	do	16,431	16,936	16,997	17,017	17,066	17,106	17,171	17,215	17,244	17,255	17,280	17,317	17,388	17,388	17,388	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	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	23,740	
AVERAGE HOURS PER WEEK §																		
Seasonally Adjusted																		
Avg. weekly hours per worker on private nonagric. payrolls: ♦	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	34.9	
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	34.9	
Seasonally adjusted....	do	34.7	34.8	34.7	34.9	34.7	34.8	34.6	34.7	34.9	34.6	34.8	34.6	34.7	34.7	34.8	34.8	
Mining ‡.....	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	44.6	
Construction ‡.....	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	38.9	39.0	38.6	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	41.0	
Seasonally adjusted....	do	41.1	41.2	41.2	41.0	41.1	41.1	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.1	40.8	41.5	
Overtime hours.....	do	3.7	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.8	3.8	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	41.6	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	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	40.2	40.2	40.4	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	39.4	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	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	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	41.7	
Machinery, except electrical.....	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	42.0	
Electric and electronic 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	41.0	
Transportation equipment.....	do	42.0	42.7	43.0	43.1	43.1	42.8	42.8	43.1	43.1	42.8	42.5	42.6	42.7	42.8	42.7	41.5	
Instruments and related products.....	do	41.4	41.5	41.6	41.8	41.6	41.1	41.5	41.5	41.1	41.5	41.1	41.3	41.4	41.1	41.0	41.1	
Miscellaneous manufacturing.....	do	39.4	39.2	39.1	39.1	39.3	39.0	39.4	39.5	39.5	39.3	39.6	39.4	39.3	39.4	39.0	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	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	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	40.6	40.8	41.1	40.8	
Tobacco manufactures ‡.....	do	39.0	39.8	41.2	41.3	40.3	39.9	38.0	37.8	38.3	38.1	38.5	38.0	39.1	37.3	40.1	40.9	
Textile mill products.....	do	41.8	41.1	41.0	41.0	40.5	40.8	41.0	40.8	41.1	41.7	41.4	41.4	41.2	41.0	40.7	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	36.9	
Paper and allied products.....	do	43.4	43.2	43.2	43.2	43.1	43.2	43.1	43.2	43.3	43.4	43.3	43.2	43.2	43.5	43.2	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	37.6	37.6	37.7	37.6	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	42.2	42.2	
Petroleum and coal products ‡.....	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	44.5	44.5	44.2	
Rubber and plastics products, nec.....	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	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	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	39.0	39.4	39.7	
Wholesale trade.....	do	38.1	38.1	38.1	38.1	38.0	38.1	38.1	38.1	38.1	38.3	38.3	38.0	38.1	38.0	38.1	38.2	
Retail trade.....	do	29.2	29.1	29.1	29.2	29.0	29.1	29.30	29.44	29.29	29.47	29.29	29.35	29.73	29.39	29.46	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	35.7	36.2	

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

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 \$

Average hourly earnings per worker:

Not seasonally adjusted:

Private nonagric. payrolls.....	\$ 9.8	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.....	12.54	12.75	12.82	12.79	12.89	13.03	13.20	13.22	13.15	13.19	13.18	13.03	12.95	*13.11	13.17	*P13.14
Construction.....	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	13.38	13.47	*P13.51
Manufacturing.....	9.91	10.18	10.25	10.25	10.31	10.37	10.37	10.38	10.41	10.41	10.42	10.44	10.47	10.44	10.55	*P10.54
Excluding overtime.....	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	*P10.06
Durable goods.....	10.44	10.71	10.78	10.79	10.85	10.90	10.90	10.91	10.93	10.93	10.94	10.98	10.99	10.98	*11.10	*P11.08
Excluding overtime.....	9.98	10.21	10.25	10.26	10.32	10.36	10.40	10.41	10.43	10.44	10.47	10.49	10.52	10.49	10.58	*P10.57
Lumber and wood products.....	8.49	8.61	8.69	8.77	8.69	8.76	8.71	8.69	8.68	8.76	8.79	8.85	8.92	8.88	8.97	*P8.90
Furniture and fixtures.....	7.67	7.94	8.09	8.06	8.02	8.06	8.10	8.08	8.18	8.12	8.16	8.23	8.26	8.29	*P8.40	*P8.39
Stone, clay, and glass products.....	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	*10.79	*P10.84
Primary metal industries.....	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	12.45	*P12.50
Fabricated metal products.....	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	10.50	*P10.64	*P10.59
Machinery, except electrical.....	10.72	11.01	11.09	11.11	11.22	11.24	11.21	11.23	11.25	11.26	11.29	11.32	11.35	*11.32	*11.41	*P11.44
Electric and electronic equip.....	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	*10.48	*P10.47
Transportation equipment.....	12.94	13.81	13.44	13.45	13.56	13.59	13.58	13.59	13.65	13.60	13.58	13.65	13.61	13.70	*13.89	*P13.86
Instruments and related products.....	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	*10.29	*10.31	*P10.35
Miscellaneous manufacturing.....	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	*8.39	*P8.42
Nondurable goods.....	9.18	9.43	9.50	9.49	9.54	9.61	9.62	9.62	9.66	9.65	9.68	9.70	9.77	9.71	9.80	*P9.80
Excluding overtime.....	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	*P9.35	*P9.35
Food and kindred products.....	8.98	9.10	9.11	9.08	9.15	9.25	9.27	9.26	9.33	9.32	9.34	9.37	9.35	9.31	*P9.28	*P9.28
Tobacco manufactures.....	14.07	14.68	14.09	14.01	14.56	14.31	14.39	14.75	15.84	15.87	16.18	16.48	16.34	*15.72	*P15.38	*P15.38
Textile mill products.....	7.17	7.87	7.48	7.45	7.47	7.52	7.60	7.59	7.59	7.60	7.62	7.65	7.66	*7.69	7.76	*P7.77
Apparel and other textile products.....	5.94	6.12	6.21	6.22	6.25	6.29	6.32	6.32	6.34	6.32	6.32	6.33	6.28	6.32	*6.41	*P6.40
Paper and allied products.....	11.43	11.65	11.72	11.68	11.74	11.81	11.78	11.80	11.84	11.89	11.89	11.91	12.04	*11.90	*P11.98	*P11.98
Printing and publishing.....	10.28	10.52	10.70	10.68	10.67	10.70	10.73	10.74	10.79	10.78	10.76	10.75	10.88	*10.89	*P11.05	*P11.06
Chemicals and allied products.....	12.37	12.67	12.75	12.78	12.86	12.90	12.85	12.88	12.91	12.92	12.98	12.98	13.12	*13.08	*P13.21	*P13.21
Petroleum and coal products.....	14.58	14.98	15.01	15.14	15.18	15.21	15.24	15.45	15.46	15.50	15.34	15.23	15.34	*15.23	*P15.69	*P15.69
Rubber and plastics products, nec.....	8.92	9.14	9.22	9.28	9.26	9.31	9.32	9.31	9.38	9.35	9.40	9.41	9.45	9.44	*9.48	*P9.47
Leather and leather products.....	6.08	6.27	6.30	6.38	6.41	6.44	6.45	6.49	6.54	6.55	6.58	6.59	6.54	6.60	*P6.62	*P6.62
Transportation and public utilities.....	12.03	12.82	12.40	12.42	12.46	12.42	12.47	12.50	12.46	12.51	12.49	12.48	12.58	*12.56	*P12.77	*P12.77
Wholesale trade.....	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	10.35	*10.46	*P10.52
Retail trade.....	6.12	6.81	6.88	6.89	6.43	6.43	6.48	6.47	6.48	6.52	6.49	6.49	6.49	6.49	*6.50	*P6.63
Finance, insurance, and real estate.....	8.73	9.09	9.14	9.29	9.27	9.32	9.46	9.47	9.43	9.59	9.48	9.48	9.59	*9.50	*9.62	*P9.77
Services.....	8.49	8.91	9.00	9.09	9.11	9.16	9.25	9.28	9.29	9.34	9.30	9.26	9.33	9.29	*9.49	*P9.60
Seasonally adjusted:																
Private nonagricultural payrolls.....	\$ 8.98	9.29	9.87	9.43	9.42	9.45	9.49	9.52	9.54	9.61	9.60	9.62	9.69	9.69	*9.74	*P9.81
Mining.....	12.54	12.75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Construction.....	12.71	13.01	13.07	13.08	13.10	13.15	13.18	13.22	13.26	13.33	13.32	13.32	13.42	13.37	13.38	*P13.43
Manufacturing.....	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	*10.55	*P10.57
Transportation and public utilities.....	12.03	12.82	12.37	12.41	12.39	12.36	12.45	12.48	12.50	12.52	12.54	12.61	12.61	*12.57	*P12.76	*P12.76
Wholesale trade.....	9.60	9.94	10.08	10.14	10.06	10.11	10.19	10.18	10.21	10.36	10.28	10.33	10.44	10.39	*10.46	*P10.56
Retail trade.....	6.12	6.31	6.36	6.38	6.40	6.43	6.44	6.45	6.47	6.51	6.49	6.52	6.54	*6.57	6.58	*P6.62
Finance, insurance, and real estate.....	8.73	9.09	9.18	9.35	9.26	9.35	9.40	9.35	9.36	9.54	9.45	9.53	9.68	*9.57	*9.66	*P9.83
Services.....	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	*P9.59

Indexes of avg. hourly earnings, seas. ad

Private nonfarm economy: Current dollars

Services
Hourly wages, net seasonally adjusted:

Hourly wages, **not seasonally adjusted**:
Construction wages, 20 cities (ENR): \$8

Private nonfarm, total do
Mining do

Mining
Construction

Manufacturing.....	406.81	418.40	423.33	423.33	427.87	482.43	425.17	428.50	426.81	426.81	426.18	429.08	424.04	425.95	434.66	432.14
Durable goods.....	438.26	447.68	452.76	453.18	457.87	463.25	455.62	452.77	455.78	455.78	455.78	454.01	457.87	449.49	453.47	462.87
Nondurable goods.....	369.04	378.14	384.75	382.45	386.37	389.21	388.84	388.32	385.43	386.97	387.20	390.91	390.80	391.31	397.88	394.94
Transportation and public utilities.....	471.58	484.18	489.80	490.59	489.68	490.59	490.07	488.75	488.43	497.90	490.86	494.21	500.68	494.86	501.26	508.25
Wholesale trade.....	365.76	378.71	382.52	385.82	382.66	387.35	387.72	386.69	386.96	395.75	389.61	392.81	398.32	394.34	398.53	403.97
Retail trade.....	178.70	183.62	185.66	185.95	185.18	190.33	184.03	183.10	184.68	188.43	186.91	189.51	194.05	192.40	191.03	191.61
Finance, insurance, and real estate.....	316.90	326.33	327.21	334.44	330.94	333.66	341.51	339.03	337.59	348.12	337.49	339.38	348.12	340.10	343.43	353.67
Services.....	275.93	290.47	292.50	297.24	296.08	298.62	301.55	300.67	301.00	306.35	301.32	302.80	308.82	305.64	309.37	314.88

EMPLOYMENT COST INDEX

EMPLOYMENT COST INDEX											
Civilian workers †	6/81=100		144.0		145.5		147.3		148.9		151.3
Workers, by occupational group											
White-collar workers			147.9		149.7		151.9		153.4		156.4
Blue-collar workers			137.2		138.2		139.6		141.3		142.9
Service workers			147.2		148.5		150.0		151.2		153.7
Workers, by industry division											
Manufacturing			139.0		140.1		141.9		143.5		145.1
Nonmanufacturing			146.1		147.7		149.7		151.2		154.0
Services			157.7		159.7		161.8		163.1		167.5
Public administration			154.0		154.4		156.7		157.9		161.8

HELP WANTED ADVERTISING

HELP-WANTED ADVERTISING

Seasonally adjusted index.....

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 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Workers involved in stoppages:																		
Beginning in month or year .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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	1,963	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	2.1	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	6,813	5,710	6,748	7,638	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	133.95	137.35	137.94	142.19	145.54	147.02	144.22	144.33	140.33	140.49	136.80	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	8.8	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	158.82	159.05	158.66	159.00	162.38	161.80	163.53	163.29	164.27	164.27	.....	.....
FINANCE																		
BANKING																		
Open market paper outstanding, end of period:																		
Bankers' acceptances.....mil. \$	70,565	66,631	63,452	62,253	65,961	66,631	62,212	62,938	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	381,929	388,935	385,675	.....	.....	.....
Dealer placed.....do	211,034	161,535	151,089	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				51,428			50,744			50,390					
Long-term real estate loans.....do	34,346	32,182	33,088				32,182			31,051			30,624					
Short-term and intermediate-term loans.....do																		
Loans to cooperatives.....do	9,927	9,256	9,811				9,256			9,286			9,980					
8,225	9,990	9,784				9,990			10,408			9,787						
Federal Reserve banks, condition, end of period:																		
Assets, total #.....mil. \$	275,566	293,674	285,185	279,381	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	226,638	232,702	238,422	232,933	229,499	228,643	232,150	223,535	231,767	218,676	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	279,381	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	48,398	48,245	44,126	42,587	61,753	39,794	50,038	40,258	39,114	46,348	46,018	.....
Member-bank reserve balances.....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	59,539	59,255	60,511	57,881	58,288	58,674	59,188	59,384	60,120	.....
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																		
Free reserves †.....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	.....
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	216,550	.....
Individuals, partnerships, and corporations.....do	190,551	195,301	174,232	172,596	191,557	195,301	174,977	181,031	173,682									

Unless otherwise stated in footnotes below, data through 1988 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																	
BANKING—Continued																	
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	28.83	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 .. do	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 † do	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 directly, 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	
CONSUMER INSTALLMENT CREDIT †																	
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	89,330	89,890	90,073	89,852	90,016	90,039			
Retailers do		42,349	42,614	42,910	43,498	40,986	41,052	41,300	41,323	41,649	41,798	41,989	42,221				
Savings institutions do		62,502	61,926	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			
Finance companies do		-973	-7	476	1,692	-3,385	1,624	-349	1,308	1,145	532	-567	1,102	-198			
Credit unions do		253	438	402	378	975	720	701	816	560	183	-221	164	23			
Retailers do		228	265	296	588	-2,513	67	247	1	22	326	149	191	232			
Savings institutions 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			
Revolving 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			
Mobile home do		-92	-152	-28	-261	293	-44	-1,824	-174	-41	-267	-56	-692	-91			
FEDERAL GOVERNMENT FINANCE																	
Budget receipts and outlays:																	
Receipts (net) mil. \$		1,854,143	1,908,166	97,742	63,582	64,320	93,729	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	-29,184	-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	29,184	11,442	-2,806	27,871	35,779	-40,572	25,466	-7,789	18,239	22,150	6,066	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	10,214	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</td								

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																	
MONETARY STATISTICS																	
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): †																	
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	3,009.4	3,028.5	3,038.5	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	4,243.8	4,523.6	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 ‡.....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- laras ◊.....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	773.3	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	3,078.5	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	4,635.5	4,672.2	4,676.2	4,689.4	4,724.4	4,750.1	4,746.1	4,759.0	4,793.3	4,812.2	4,826.6		
Components (seasonally adjusted):																	
Currency.....do			208.6	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 ‡.....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				5,578			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.....do	2,911	2,453	804				556			8				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	13,817	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. \$..	14,877	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- dustry.....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. \$..	268,909	224,490	15,529	12,816	16,426	10,221	(*)—										
Manufacturing.....do	46,172	83,327	3,917	2,388	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					</td												

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in <i>BUSINESS STATISTICS: 1986</i>	Units	Annual		1988				1989									
		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
		TRANSPORTATION AND COMMUNICATION—Continued															
COMMUNICATION																	
Telephone carriers: \diamond																	
Operating revenues # .....	... mil. \$..	74,657															
Station revenues	do	31,669															
Tolls, message	do	9,171															
Operating expenses (excluding taxes)	do	50,384															
Net operating income (after taxes)	do	13,370															
Access lines	mil																

CHEMICALS AND ALLIED PRODUCTS																		
CHEMICALS																		
Inorganic Chemicals																		
Production:																		
Aluminum sulfate, commercial (17% Al_2O_3) \ddagger thous. sh. tons ..	1,264	1,274	108	96	98	105	91	89	109	97	102	107	104	114	103			
Chlorine gas (100% Cl_2) \ddagger	11,019	11,329	960	987	966	(^a)	974	946	955	972	980	910	949	913	924			
Hydrochloric acid (100% HCl) \ddagger	2,869	2,568	232	205	221	233	227	222	238	221	249	243	241	241	223			
Phosphorus, elemental \ddagger	344	352	29	29	30	30	30	26	31	29	31	32	32	31	28			
Sodium hydroxide (100% NaOH) \ddagger	11,486	11,983	1,083	1,038	1,022	(^a)—	1,039	997	1,028	1,023	988	972	1,031	985	999			
Sodium silicate, anhydrous \ddagger	952	748	76	70	66	(^a)—	64	88	68	74	71	71	72	77	79			
Sodium sulfate (100% Na_2SO_4) \ddagger	813	789	67	63	65	65	71	64	68	66	67	70	64	62	62			
Sodium triphosphate (100% $\text{Na}_5\text{P}_3\text{O}_{10}$) \ddagger	586	551	36	51	47	45	49	46	49	46	55	50	50	47	50			
Titanium dioxide (composite and pure) \ddagger	968	1,026	88	78	86	91	98	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	883	868	818			
Stocks (producers') end of period	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	1,483	1,501			
Inorganic Fertilizer Materials																		
Production:																		
Ammonia, synthetic anhydrous \ddagger 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 so- lution \ddagger	6,547	7,186	515	587	621	658	627	612	675	673	684	628	600	573	563			
Ammonium sulfate \ddagger	2,189	2,337	188	213	207	210	201	188	199	207	206	200	198	195	191			
Nitric acid (100% HNO_3) \ddagger	7,225	7,887	570	627	654	708	726	660	715	701	714	666	640	616	556			
Nitrogen solutions (100% N) \ddagger	2,385	3,119	240	272	278	304	268	243	258	261	269	245	247	204	221			
Phosphoric acid (100% P_2O_5) \ddagger	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_2SO_4) \ddagger	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			
Superphosphate and other phosphatic fertilizers (gross weight):																		
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	704	879	570	602	749	879	860	989	970	913	874	1,011	962	826	773			
Potash, sales (K_2O)	6,204	5,703	347	438	447	548	579	344	401	731	637	238	256	529	409			
Imports:																		
Ammonium nitrate.....thous. met. tons ..	279	267	14	16	16	44	40	46	37	46	38	46	21	29				
Ammonium sulfate	259	337	24	13	40	32	23	6	53	48	30	14	9	19				
Potassium chloride	6,613	6,796	462	543	586	558	710	396	541	659	427	261	261	472				
Sodium nitrate	98	131	15	5	(^a)—	8	11	14	14	11	21	22	2	12				
Industrial Gases \ddagger																		
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)	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)	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)	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				
Organic Chemicals \ddagger																		
Production:																		
Acetylsalicylic acid (aspirin).....thous. met. tons ..	'10.9	'10.8	2.2			2.0			'52.4				2.4					
Ethyl acetate	'97.1	'115.3	39.6			'32.5			'54.0				'31.8					
Formaldehyde (37% HCHO)	'2,600.5	'2,848.8	756.7			786.3			'731.0				740.6					
Glycerin, refined, all grades	'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 ..	'3,418.2	'3,692.8	818.5			950.4			'5752.1				901.6					
Phthalic anhydride	469.6	'452.9	133.6			132.4			'5130.0				130.3					
ALCOHOL																		
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	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)	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	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	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									
	1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
CHEMICALS AND ALLIED PRODUCTS—Continued																
PLASTICS AND RESIN MATERIALS																
Production:																
Phenolic resins.....thous. met. tons..	"2,769.8	765.3														
Polyethylene and copolymers.....do ..	"17,881.0	"8,479.6	2,006.0				2,156.1			"2,168.2						
Polypropylene.....do ..	"3,164.8	"3,291.6	840.6				764.8			"759.7						
Polystyrene and copolymers.....do ..	"2,757.0	4,166.2														
Polyvinyl chloride and copolymers.....do ..	"3,782.0	"3,895.5	1,054.2				1,058.5				"1,093.2					
PAINTS, VARNISH, AND LACQUER †																
Total shipments .....mil. \$..	"10,167.6	"10,716.1	"932.6	"908.1	"819.7	"751.5	"820.5	"841.8	"952.6	"985.7	"1,072.7	"1,091.5	"965.9	1,114.4		
Architectural coatings.....do ..	"4,245.4	"4,372.1	"381.9	"354.8	"300.6	"281.2	"309.4	"317.7	"337.3	"399.1	"464.4	"464.8	"431.0	484.2		
Product coatings (OEM).....do ..	"3,782.5	"4,062.9	"349.7	"363.2	"344.7	"314.7	"344.5	"359.3	"369.3	"372.6	"382.0	"393.2	"319.8	381.6		
Special purpose coatings.....do ..	"2,189.7	"2,281.1	"201.0	"190.1	"174.4	"155.5	"166.8	"164.4	"196.0	"218.9	"226.2	"233.5	"215.1	248.7		

ELECTRIC POWER AND GAS

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	2,322,432	2,478,686	208,753	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	28,033	25,881	22,670			
Sales to ultimate customers, total (Edison Electric Institute) ◊.....mil. kw-hr ..	"2,435,483	"2,549,909	"706,542				"614,775				648,311		611,938			
Commercial §.....do ..	"658,445	"695,181	"197,372				"167,127				169,383		170,802			
Industrial §.....do ..	"843,709	"880,947	"229,661				"221,204				217,772		225,488			
Railways and railroads.....do ..	"4,898	"5,110	"1,270				"1,294				1,358		1,238			
Residential or domestic.....do ..	"846,457	"885,146	"256,489				"205,875				238,476		193,532			
Street and highway lighting.....do ..	"14,886	"14,587	"3,503				"8,881				3,758		3,347			
Other public authorities.....do ..	"63,047	"64,598	"17,080				"16,150				16,573		16,388			
Interdepartmental.....do ..	"4,541	"4,392	"1,188				"1,283				990		1,141			
Revenue from sales to ultimate customers (Edison Electric Institute) ◊.....mil. \$..	"155,700	"162,188	"47,498				"38,559				40,087		39,076			
GAS ♦																
Total utility gas, quarterly (American Gas Association):																
Customers, end of period, total @.....thous..	51,802	53,096	52,093				53,096				53,552					
Residential.....do ..	47,579	48,756	47,871				48,756				49,109					
Commercial.....do ..	3,990	4,108	3,992				4,108				4,210					
Industrial @.....do ..	179	179	177				179				177					
Other.....do ..	54	54	53				54				55					
Sales to customers, total ..tril. Btu..	10,543	10,691	1,628				2,855				4,002					
Residential.....do ..	4,885	4,747	373				1,358				2,152					
Commercial.....do ..	2,156	2,306	260				689				961					
Industrial.....do ..	2,541	2,251	471				581				622					
Electric generation.....do ..	1,306	1,229	502				235				209					
Other.....do ..	155	158	22				47				58					
Revenue from sales to customers, total ..mil. \$..	45,492	"46,362	6,307				12,858				18,564					
Residential.....do ..	23,622	"25,158	2,489				7,278				11,230					
Commercial.....do ..	10,271	10,788	1,185				3,014				4,659					
Industrial.....do ..	7,500	"6,739	1,284				1,798				1,938					
Electric generation.....do ..	3,569	3,141	1,291				608				499					
Other.....do ..	530	541	58				166				239					

FOOD AND KINDRED PRODUCTS; TOBACCO

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	18,35		
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	16,23	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	14,60	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	"25,06	"26,61	"30,25	"28,42	"30,63	31,70	27,79			
Stocks, end of period.....mil. tax gal ..	458,00	420,92	427,33	426,38	423,98	420,92	389,37	423,94	427,12	429,09	433,04	423,77	405,70			
Imports.....mil. proof liters..	404,60	363,20	33,50	44,50	42,10	26,50	"24,14	28,23	24,44	26,66	30,52	23,97	24,63	33,85		
Whisky:																
Production.....mil. tax gal ..	38,83	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	367,47	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	"15,61	17,15	14,45	15,80	19,35	14,46	13,36	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	"1,91	2,10	2,74	2,38	3,27	2,50	3,43			
Still wines:																
Production.....mil. wine gal ..	442,83	"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	"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	542,27	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	"14,98	13,55	21,02	19,88	21,48	18,68	18,03	20,44		

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		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	88.3	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	80.1	88.6	88.6	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	7.4	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	1.2	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	13.3	14.6	16.0	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	(*)—									
Barley:																	
Production (crop estimate).....	mil. met. tons.	21,152	26,391														5,808
Stocks (domestic), end of period, total.....	do	6,307	7,109					8,103		6,113		4,278		9,090			
On farms.....	do	4,222	3,980					3,980		2,687		1,842		5,516			
Off farms.....	do	3,085	4,129					4,129		3,426		2,436		3,574			
Exports, including malt \$.....	thous. met. tons.	3,114.5	2,244.4	192.2	48.5	68.4	336.1	16.4	6.9	47.9	308.6	223.8	171.4	225.7	213.1		
Producer Price Index, No. 2 feed, Minneapolis.....	1982=100	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
Corn:																	
Production (crop estimate, grain only).....	mil. met. tons.	2,179.44	2,125.00														192.79
Stocks (domestic), end of period, total.....	do	2,248.20	2,179.63					179.63		132.19		86.85		149.03			
On farms.....	do	1,154.95	1,108.72					108.72		76.74		51.36		24.58			
Off farms.....	do	793.25	70.90					70.90		55.45		35.49		24.46			
Exports, including meal and flour.....	do	40.81	46.32	3.90	4.42	3.79	4.38	14.46	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).....	mil. met. tons.	2,542.9	2,176														5,381
Stocks (domestic), end of period, total.....	do	1,926	1,626														
On farms.....	do	1,499	1,116														
Off farms.....	do	427	510														
Exports, including oatmeal.....	metric tons.	30,213	29,989	2,057	1,119	2,420	994	13,212	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	85.8	84.5	82.4
Rice:																	
Production (crop estimate).....	mil. met. tons.	5,879	7,237														7,095
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 from mills, 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	123	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	109.9	108.9	104.2	104.7	108.9	110.8	111.6	112.1	110.9	111.1
Rye:																	
Production (crop estimate).....	mil. met. tons.	2,503	2,382														346
Producer Price Index, No. 2, Minneapolis.....	1982=100	54.7	69.1	81.3	71.8	77.9	82.8	79.1	79.1	76.2	79.1	77.7	55.7	60.1	59.3	60.8	68.9
Wheat:																	
Production (crop estimate), total.....	mil. met. tons.	2,57.36	249.30														55.57
Spring wheat.....	do	2,147.6	2,681														16.06
Winter wheat.....	do	2,426.60	2,424.49														89.51
Distribution, quarterly @.....	do	62.70	71.39					14.97				13.41					
Stocks (domestic), end of period, total.....	do	768.06	746.54					46.54				33.25					
On farms.....	do	2,26.29	2,16.71					16.71				12.44					
Off farms.....	do	741.77	729.88					29.88				20.81					
Exports, total, including flour.....	do	31.79	41.33	3.44	2.63	2.56	2.91	13.23	3.59	3.99	3.28	2.66	2.49	3.79	3.71		

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																		
GRAIN AND GRAIN PRODUCTS—Continued																		
Wheat—Continued																		
Producer Price Indexes:																		
Hard red winter, No. 1, ord. protein (K.C.) 1982=100..	70.6	790.8	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	793.1	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	106.3		
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	23,323	29,827			
Millfeed.....thous. sh. tons	6,260	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	69,983	69,662	63,833	64,991	60,789	60,987	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	5,308															
Exports.....thous. met. tons	1,196.00	960.80	31.30	109.40	65.60	135.70	81.70	129.32	134.88	128.48	108.44	5,253	17.78	35.74	114.51			
Producer Price Index.....6/88=100..	89.7		102.0	110.0	110.5	109.0	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, total.....mil. lb.	501	451	761	781	510	451	462	455	458	488	552	657	686	769	781			
Turkeys.....do..	266	250	573	588	304	250	263	263	269	299	356	455	497	569	574			
Price, in Georgia producing area, live broilers.....\$ per lb..	.265	.315	.390	.335	.330	.335	.340	.330	.330	.375	.440	.410	.375	.355	.355	.290		
Eggs:																		
Production on farms.....mil. cases \$..	193.2	193.0	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	15.1		
Stocks, cold storage, end of period: Shell.....thous. cases \$..	43	9	23	24	26	9	12	7	16	18	26	27	12	17	23			
Frozen.....mil. lb..	17	20	22	20	18	20	20	19	15	15	16	15	16	15	14	14		
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			
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	2,870		
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	69.6		
Steers, stocker and feeder (Kansas City).....do..	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	81.2		
Calves, weaners (So. St. Paul).....dollars #..	78.92	227.67	202.44	213.75	230.88	225.68	230.25	225.60	237.50	226.25	260.05	258.44	246.88	263.00	258.75	244.3		
Hogs:																		
Slaughter (federally inspected).....thous. animals..	78,913	85,516	7,584	7,887	7,908	7,703	7,116	6,619	7,569	7,199	7,277	6,881	6,181	7,392	7,498	7,82		
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	47.4		
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	15.7	15.2	14.4	16.1	17.9	18.6	20.2	19.1	21.		
Sheep and lambs:																		
Slaughter (federally inspected).....thous. animals..	5,042	5,122	452	437	418	447	418	415	505	393	435	423	398	476	440	46		
Price, wholesale, lambs, average (Omaha) \$ per 100 lb..	75.77	60.71	58.35	60.44	61.90	64.75	66.25	66.83	69.50	74.50	73.75	68.56	65.73	63.31	56.67	58.3		
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	3,317	3,52		
Stocks, cold storage, end of period.....do..	623	716	644	664	701	716	745	762	749	767	735	686	654	559				
Exports (meats and meat preparations)																		
thous. met. tons..	915	1,081	99	102	103	105	684	91	108	105	110	119	116	117				
Imports (meats and meat pre- parations).....do..	1,250	1,263	91	88	89	74	114	86	96	91	98	94	91	95				
Beef and veal:																		
Production, total.....mil. lb.	28,821	28,811	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	2,07		
Stocks, cold storage, end of period.....do..	293	323	311	300	305	323	322	321	305	280	251	248	255	248				
Exports.....thous. met. tons..	394	443	44	45	46	40	36	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	1,03		
Lamb and mutton:																		
Production, total.....mil. lb.	810	829	28	28	27	29	27	27	33	26	28	26	25	29	28	28		
Stocks, cold storage, end of period.....do..	8	6	7	6	6	6	7	6	7	6	7	8	8	7	8	7		
Pork (excluding lard):																		
Production, total.....mil. lb.	14,812	15,623	1,960	1,443	1,463	1,425	1,310	1,204	1,273	1,921	1,341	1,266	1,107	1,383	1,349	1,42		
Stocks, cold storage, end of period.....do..	285	358	288	321	361	358	381	397	394	438	431	368	347	281				
Exports.....thous. met. tons..	70	147	12	15	15	14	11	10	11	12	13	18	18	12				
Imports.....do..	461	439	33	34	32	34	86	31	34	33	33	32	25	30				
Prices:																		
Producer Price Index, Hams, smoked 1982=100..	104.2	296.2	94.5	98.4	99.1	100.2	(5)—											
Fresh loins, 8-14 lb. average, wholesale (N.Y.).....\$ per lb..	1,265	1,188	1,215	1,071	.996	1,132	(5)—											
MISCELLANEOUS FOOD PRODUCTS																		
Cocoa (cacao) beans, imports (including shells).....thous. met. tons..	262.6	236.7	8.9	8.7	13.7	31.0	644.2	24.0	30.4	28.9	24.6	18.4	18.1	23.4				
Coffee:																		
Imports, total.....metric tons..	1,194,360	920,040	74,280	76,320	71,700	61,620	698,070	77,714	82,072	83,874	77,223	71,164	99,368	119,698				
From Brazil.....do..	235,680	252,780	26,280	38,520	12,180	14,400	62,416	20,282	24,413	31,128	12,053	14,530	18,678	19,526				
U.S. Import Price Index †.....1985=100..	81.6	91.0	88.7															
Fish:																		
Stocks, cold storage, end of period.....mil. lb..	411	394	397	407	398	394	392	353	330	330	357	374	386	428	444	42		

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.
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			3,825			3,514				
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.....do ..	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.....do ..	*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.....do ..	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 ³ ..																	

See footnotes at end of tables.

(1) Preliminary.

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.

LUMBER AND PRODUCTS—Continued

SOFTWOODS—Continued																	
Southern pine:																	
Orders, new.....	'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.....	837	834	717	772	852	834	756	756	733	775	797	775	715				
Production.....	'12,473	'12,676	1,056	1,089	1,028	971	1,067	945	1,047	1,064	1,123	1,153	982				
Shipments.....	'12,487	'12,600	1,087	1,078	1,069	983	1,099	917	995	1,064	1,213	1,199	1,002				
Stocks (gross), mill and concentration yards, end of period.....	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.....	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.....	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.....	524	537	505	519	485	537	627	583	591	542	546	581	558	541	533		
Production.....	11,407	11,395	988	1,026	927	926	926	815	998	884	915	1,023	984	1,017	915		
Shipments.....	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.....	1,365	1,347	1,245	1,323	1,363	1,847	1,336	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
HARDWOOD FLOORING																	
Oak:																	
Orders, unfilled, end of period.....	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.....	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.....	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		

METALS AND MANUFACTURES

IRON AND STEEL																
Exports:																
Steel mill products.....thous. sh. tons..	1,129	2,069	207	244	243	437	257	237	606	384	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		
Iron and Steel Scrap																
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	6,663	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	
Ore																
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	'4,890	4,228	4,841	4,426	5,825	5,195	5,357	4,876		
Shipments from mines.....do	47,900	'56,694	5,527	5,550	4,890	5,658	'2,155	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	'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	'4,162	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	'6,687	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	'28,189	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	'6,029	9,099	12,128	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	(*)—									
Pig Iron and Iron Products																
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.....do	'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	'512	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	11	12	11	11	'7	13		

See footnotes at end of tables.

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below, data through 1986 and
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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.
METALS AND MANUFACTURES—Continued																
Steel, Raw and Semifinished																
Steel (raw):																
Production.....thous. sh. tons..	'89,151	'99,924	8,237	8,832	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	'84	99		
For sale, total.....do	797	997	98	93	91	94	98	86	110	100	110	100	'83	97		
Steel Mill Products																
Steel products, net shipments:																
Total (all grades).....thous. sh. tons..	76,654	'83,840	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	'5,456	'5,975	486	490	453	468	550	507	535	520	541	532	458	505		
Structural shapes (heavy), steel piling.....do	5,120	'5,209	453	422	411	508	504	451	494	470	474	459	392	433		
Plates.....do	4,048	'7,328	627	577	548	387	601	570	661	629	645	601	661			
Rails and accessories.....do	515	'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	'7,834	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	288	278	356	323	363	372	328	366		
Sheets and strip (including electrical), total.....do	39,279	40,639	8,416	8,445	8,384	8,360	8,577	8,433	8,965	8,544	8,701	8,638	8,047	8,485		
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	'21,499	'21,552		
Construction, incl. maintenance.....do	5,619	6,014	1,460			1,398			1,595			1,749	'2,573	'595		
Contractors' products.....do	2,701	2,815	691			681			678			740	'2,239	'2,256		
Automotive.....do	'11,135	12,078	2,901			3,046			3,235			3,020	'2,676	'936		
Rail transportation.....do	734	1,116	176			270			296			306	'2,93	'95		
Machinery, industrial equip., tools.....do	2,096	2,597	598			601			617			575	'2,154	'185		
Containers, packaging, ship. materials.....do	4,371	4,428	1,121			1,163			1,016			1,189	'2,367	'2,399		
Other.....do	'31,387	'36,011	8,790			8,944			9,704			9,695	'2,786	'2,306		
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	13.3		
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	5.3	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		
NONFERROUS METALS AND PRODUCTS																
Aluminum:																
Production, primary (dom. and foreign ores) thous. met. tons..	3,843	3,944	327	339	332	344	346	312	347	384	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	'81.9	'82.0	'55.0	'99.4	78.6	88.3	92.4	75.5	73.9	71.8			
Plates, sheets, bars, etc.....do	'410.8	'388.5	'29.8	'29.7	'28.5	'26.9	'35.6	24.4	31.6	30.9	30.4	32.0	27.3			
Exports:																
Metal and alloys, crude.....do	'281.1	'400.1	'39.0	'25.7	'47.5	'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	0.9958	0.9578	0.9638	0.9780	0.8766	0.8040	.8137	.7830	.7976
Aluminum products:																
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	7,384	636	604	577	566	681	630	774	657	702	696	'641	'687		
Castings.....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		
Copper:																
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	121.3	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	102.3	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	'30.8	33.0	25.0	35.9	'35.9	'32.6	28.2			
Refined.....do	515.6	390.4	25.7	44.2	39.2	20.2	'32.7	24.8	18.7	20.9	'24.1	'25.9	20.9			
Exports:																
Refined and scrap.....do	454.8	707.7	111.3	48.6	56.1	54.5	'32.5	41.0	41.3	'56.6	24.2	46.5	71.1			
Refined.....do	17.9	66.5	14.3	2.3	4.0	4.5	'6.2	4.8	5.9	13.5	4.3	6.6	21.4			
Consumption, refined (reported by mills, etc.).....do	'2,15															

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
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	1,385.0	33.1	34.4	31.1	31.8	33.3	31.0	34.4	33.2	33.8	36.1	33.2	38.4				
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	23.3	21.3	23.5	19.1	317.2	8.6	7.3	6.5	9.8	10.4	9.0					
Consumption, total.....do	1,230.4	1,230.7	103.0	110.6	103.4	95.1	104.7	98.3	101.2	99.2	101.3	101.6	95.2	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	88.6	67.6	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	(3)—	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	2,833					
Recovery from scrap, total (tin cont.).....do	16,159	15,088	712	821	703	561	598	649	686	627	650	621	526	634				
As metal.....do	1,353	1,578	96	96	96		11	47				47						
Consumption, total.....do	44,219	45,073	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	3,400	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	4,320	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	4,6455	4,9165	5,4309	6,4213	6,2118	6,0796	5,6910	5,1789				
Zinc:																		
Mine prod., recoverable zinc.....thous. met. tons..	216.3	244.3	19.9	19.9	19.9	19.3	22.2	20.8	22.3	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	3.3	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	2.5	2.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2				
Scrap, all types.....do	269.3	253.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.6	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	17.8		
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	(2)—	.2	.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	4.0		
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	.8852	.8464	.8059	.7967	.8132	.8108				
MACHINERY AND EQUIPMENT																		
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly # .. mil. \$.	*368.3	*390.2	*113.5			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. adjusted .. 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. adjusted .. 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	184.9		
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	128	141	127			
Machine tools:																		
Metal cutting type tools:																		
Orders, new (net), total .. mil. \$.	1,451.45	2,707.90	286.50	215.40	188.35	246.40	167.00	214.95	220.60	152.80	147.90	158.85	133.20	156.25	192.45	144.90		
Domestic .. do ..	1,294.45	2,315.75	252.95	192.25	164.60	191.50	145.40	191.30	200.20	138.50	138.10	123.05	112.00	120.70	174.50	135.70		
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	169.90	228.50	183.55		
Domestic .. do ..	1,498.85	1,400.10	133.50	123.35	156.70	186.40	89.50	133.90	207.25	163.35	145.40	199.95	155.45	147.20	188.75	161.95		
Order backlog, end of period .. do ..	672.2	1,805.5	1,681.4	1,751.0	1,768.5	1,805.5	1,869.7	1,933.4	1,926.6	1,895.3	1,884.8	1,808.0	1,765.6	1,751.9	1,715.8	1,677.2		
Metal forming type tools:																		
Orders, new (net), total .. do ..	667.35	882.95	61.76	46.35	90.65	70.05	63.85	67.00	69.90	89.75	57.35	81.85	57.55	70.85	110.15	60.10		
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	43.35	70.45	105.00	47.05		
Shipments, total .. do ..	647.15	824.55	76.35	66.25	86.75	82.20	49.35	77.55	79.20	65.50	8							

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
METALS AND MANUFACTURES—Continued																	
MACHINERY AND EQUIPMENT—Continued																	
Tractors used in construction, shipments, qtrly:																	
Tracklaying (ex. shovel loaders).....units..	9,668	12,117	2,835			3,323			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								
ELECTRICAL EQUIPMENT																	
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	1,838	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 #thous..	49,981	347,070	3,963	3,975	3,983	3,679	3,947	3,916	4,444	3,868	4,326	4,389	3,505	3,832	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 .....do	3,346	3,202	270	302	287	262	245	225	273	226	263	218	276	258	275		
Refrigerators .....do	6,972	7,227	686	625	597	467	466	460	564	526	686	795	660	687	627	614	
Freezers .....do	1,260	3,1349	128	110	99	94	98	94	90	93	111	116	129	144	123	95	
Washers.....do	5,998	6,190	584	533	508	440	553	510	539	457	533	572	437	524	545	582	
Dryers, including gas.....do	4,637	4,601	437	413	401	363	436	394	385	323	374	389	305	377	410	432	
Vacuum cleaners (qtrly.).....do	10,417	10,652	2,882			2,550			2,952			2,545				3,224	
GAS EQUIPMENT (RESIDENTIAL)																	
Furnaces, warm air, shipments.....thous..	2,073	2,092	254	252	223	177	178	148	135	132	142	168	186	216	245		
Ranges, total, shipments.....do	2,143	2,167	187	209	203	191	158	156	194	163	182	185	149	191	181	200	
Water heaters (storage), automatic, shipments.....do	3,951	3,956	321	381	307	388	337	328	375	354	324	345	303	295	308		
PETROLEUM, COAL, AND PRODUCTS																	
COAL																	
Anthracite:																	
Production †.....thous. sh. tons..	3,560	3,555	324	388	310	260	281	282	337	273	280	256	211	334	322	373	
Exports.....thous. met. tons..	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	80,853	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 †.....do	884,837	880,242	71,221	70,009	69,742	77,792	77,101	73,012	72,550								
Electric power utilities.....do	716,922	756,459	61,460	59,446	59,192	66,775	62,588	61,830	55,837	58,261							
Industrial, total.....do	111,696	117,730	9,416	10,207	10,076	10,255	10,199	9,874	10,277								
Coke plants (oven and beehive).....do	36,920	41,866	3,457	3,545	3,399	3,564	3,562	3,290	3,716								
Residential and commercial.....do	5,719	6,054	345	356	474	762	547	599	443								
Stocks, end of period, total †.....do	178,485	151,446	147,691	151,931	154,919	151,446	146,462	141,366	142,600								
Electric power utilities.....do	163,857	139,583	136,229	140,386	143,190	139,583	135,188	130,641	132,444	138,130	144,417						
Industrial, total.....do	14,628	11,863	11,462	11,595	11,729	11,863	11,294	10,724	10,155								
Oven-coke plants.....do	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 ..	79.1	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			
COKE																	
Production:																	
Beehive end oven (byproduct).....thous. sh. tons..	28,037	32,405	8,195			8,251			8,006								
Petroleum coke §.....do	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.....do	1,064	1,583	1,271			1,583			1,167								
At furnace plants.....do	846	1,420	1,107			1,420			1,052								
At merchant plants.....do	218	163	164			163			115								
Petroleum coke ††.....do	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	131	167	252	30	76	60	115	115	100	63			
PETROLEUM AND PRODUCTS																	
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 ††mil. bbl ..	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 ††% of capacity..	83	84	84	83	84	85	86	83	84	84	86	90	89				
All oils, supply, demand, and stocks: ††																	
New supply, total ◊.....mil. bbl ..	6,089.6	6,301.7	512.4	544.5	528.8	538.4	547.7	486.4	517.6	524.8	532.0	512.1	540.0	546.5			
Production:																	
Crude petroleum.....do	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.....do	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.....do	1,837.3	2,021.6	167.2	183.8	167.2	172.3	182.8	161.1	165.7	186.7	188.5	189.3					

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
PETROLEUM, COAL, AND PRODUCTS—Continued																	
PETROLEUM AND PRODUCTS t—Continued																	
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	1.8			
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	42.8	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	21.8	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	1,630.9	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	7.8	5.9	5.7	5.8	5.7	5.8	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			

PULP, PAPER, AND PAPER PRODUCTS

PULPWOOD																	
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			
WASTE PAPER																	
Consumption.....thous. sh. tons	17,998	18,860	1,553	1,597	1,565	1,526											

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.	
PULP, PAPER, AND PAPER PRODUCTS—Continued																		
PAPER AND PAPER PRODUCTS																		
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	7,626	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	140.3	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	117.3	
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	1,5301	1,5476	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	837	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	118.8
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					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	17,253	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	33,191	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</		

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		1987	1988	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
STONE, CLAY, AND GLASS PRODUCTS																		
PORLTAND CEMENT																		
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				
CLAY CONSTRUCTION PRODUCTS																		
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..	(2)—	58.1	4.7	4.7	4.7	4.7	4.7	4.7	(2)—	(2)—	(2)—	(2)—	(2)—	(2)—				
Sewer pipe and fittings, vitrified.....do....	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.		
GLASS AND GLASS PRODUCTS																		
Flat glass, mftrs' shipments.....thous. \$..	1,457,587	1,484,949	380,269				383,612			418,513			403,583					
Glass containers:																		
Production †.....thous. gross..	285,080	284,473	23,103	26,205	21,507	17,458	22,287	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	1,138	1,605	1,668	1,852	1,939	2,334	2,342	2,025	2,394				
Beverage.....do..	62,434	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	1,361	1,799	1,719	1,959	1,883	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..	1,371	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	44,423	44,862	43,866	'44,409	43,992				
GYPSUM AND PRODUCTS																		
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					
Calcined.....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					
Calcined:																		
Industrial plasters.....do..	'496	'150	11	13	12	13	(4)—											
Building plasters, total (incl. Keene's cement).....do..	'280	235	19	19	18	16	'31	29	31	(2)—	(2)—	(2)—	(2)—	(2)—				
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	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	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	57				
Water/moisture resistant board.....do..	'557	'550	56	59	55	53	56	55	61	58	58	57	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 ⁵ 54	554	570	3 ⁷ 34	611	631	3 ⁷ 81	545	668
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.	
TEXTILE PRODUCTS—Continued																	
COTTON AND MANUFACTURES—Cont.																	
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	58.3	59.5	(1)	61.1	
Price(farm), American upland ♂, cents per lb..	263.7	255.6															64.1
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			1,183			
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	
MANMADE FIBERS AND MANUFACTURES																	
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	
MANMADE FIBER TEXTILE TRADE:																	
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..	1,033.22	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											
WOOL AND MANUFACTURES																	
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				
FLOOR COVERINGS																	
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly # ..do..	1,263.2	1,273.3	329.1			304.3				310.0			348.2				
APPAREL																	
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	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.
TEXTILE PRODUCTS—Continued																	
APPAREL—Continued																	
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				
TRANSPORTATION EQUIPMENT																	
AEROSPACE VEHICLES																	
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															
Aircraft (complete):																	
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			
MOTOR VEHICLES (NEW)																	
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	416.7	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	370.0	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	27.7	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		
RAILROAD EQUIPMENT																	
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 "4" for p. S-16.

† See note "†" 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.

Index to Current Business Statistics

Sections	
General:	
Business indicators	1-5
Commodity prices	5, 6
Construction and real estate	7, 8
Domestic trade	8, 9
Labor force, employment, and earnings	9-13
Finance	13-16
Foreign trade of the United States	16-18
Transportation and communication	18, 19
Industry:	
Chemicals and allied products	19, 20
Electric power and gas	20
Food and kindred products; tobacco	20-23
Leather and products	23
Lumber and products	23, 24
Metals and manufactures	24-27
Petroleum, coal, and products	27, 28
Pulp, paper, and paper products	28, 29
Rubber and rubber products	29
Stone, clay, and glass products	30
Textile products	30-32
Transportation equipment	32
Footnotes	32-35
Individual Series	
Advertising	8, 12
Aerospace vehicles	32
Agricultural loans	13
Air carrier operations	18
Air conditioners (room)	27
Aircraft and parts	4, 5, 32
Alcohol, denatured and ethyl	19
Alcoholic beverages	8, 20
Aluminum	25
Apparel	2, 4-6, 8-12, 31, 32
Asphalt	28
Automobiles, etc.	2-4, 6, 8, 9, 14, 15, 17, 32
Banking	13, 14
Barley	21
Battery shipments	27
Beef and veal	22
Beverages	8, 17, 20
Blast furnaces, steel mills	3-5
Bonds, issued, prices, sales yields	15, 16
Brass and bronze	26
Brick	30
Building and construction materials	2, 4, 5
Building costs	7
Building permits	7
Business incorporation (new), failures	5
Business sales and inventories	2, 3
Butter	21
Carpets	31
Cattle and calves	22
Cement	30
Chain-store sales, firms with 11 or more stores	9
Cheese	21
Chemicals	2-4, 10-12, 15, 17, 19, 20
Cigarettes and cigars	23
Clay products	2-4, 30
Clothing (see apparel)	
Coal	2, 27
Cocoa	22
Coffee	22
Coke	27
Combustion, atmosphere, heating equipment	26
Communication	15, 19
Construction:	
Contracts	7
Costs	7
Employment, unemployment, hours, earnings	10-12
Housing starts	7
New construction put in place	7
Consumer credit	14
Consumer goods output, index	1, 2
Consumer Price Index	5, 6
Copper and copper products	25, 26
Corn	21
Cost of living (see Consumer Price Index)	5, 6
Cotton, raw and manufactures	5, 30, 31
Credit, commercial bank, consumer	14
Crops	5, 21-23, 30
Crude oil	3, 27
Currency in circulation	15
Dairy products	5, 21
Debt, U.S. Government	14
Deflator, PCE	1
Department stores, sales, inventories	9
Deposits, bank	13, 15
Dishwashers and disposers	27
Disposition of personal income	1
Distilled spirits	20
Dividend payments	1, 15
Drugstores, sales	8, 9
Earnings, weekly and hourly	12
Eating and drinking places	8, 9
Eggs and poultry	5, 22
Electric power	2, 20
Electrical machinery and equipment	2-5, 10-12, 15, 27
Employee-hours, aggregate, and indexes	11
Employment and employment cost	10-12
Exports (see also individual commodities)	16-18
Failures, industrial and commercial	5
Farm prices	5, 6
Fats and oils	17
Federal Government finance	14
Federal Reserve System	13
Federal Reserve member banks	13
Fertilizers	19
Fish	22
Flooring, hardwood	24
Flour, wheat	22
Fluid power products	26
Food products	2-6, 8, 10-12, 15, 17, 20-23
Foreign trade (see also individual commod.)	16-18
Freight cars (equipment)	32
Fruits and vegetables	5
Fuel oil	6, 28
Fuels	2, 6, 17, 27, 28
Furnaces	27
Furniture	2, 6, 8-12
Gas, output, prices, sales, revenues	2, 6, 20
Gasoline	28
Glass and products	30
Glycerin	19
Gold	14
Grains and products	5, 21, 22
Grocery stores	9
Gypsum and products	30
Hardware stores	8
Heating equipment	26
Help-wanted advertising index	12
Hides and skins	6
Hogs	22
Home loan banks, outstanding advances	8
Home mortgages	8
Hotels, motor hotels, and economy hotels	18
Hours, average weekly	11
Housefurnishings	2, 4-6, 8, 9
Household appliances, radios, and television sets	27
Housing starts and permits	7
Imports (see also individual commodities)	17, 18
Income, personal	1
Income and employment tax receipts	14
Industrial production indexes:	
By industry	1, 2
By market grouping	1, 2
Installment credit	14
Instruments and related products	2-4, 10-12
Interest and money rates	14
Inventories, manufacturers' and trade	3, 4, 8, 9
Inventory-sales ratios	3
Iron and steel	2, 15, 24, 25
Labor force	9, 10
Lamb and mutton	22
Lead	26
Leather and products	2, 6, 10-12, 23
Livestock	5, 22
Loans, real estate, agricultural, bank (see also Consumer credit)	8, 13
Lubricants	28
Lumber and products	2, 6, 10-12, 23, 24
Machine tools	26
Machinery	2-6, 10-12, 15, 17, 26, 27
Manufacturers' sales (or shipments), inventories, orders	3-5
Manufacturing employment, unemployment, production workers, hours, earnings	10-12
Manufacturing production indexes	1, 2
Meat animals and meats	5, 22
Medical care	6
Metals	2-6, 10-12, 15, 24-26
Milk	21
Mining	2, 10-12
Mobile homes, shipments, installment credit	7, 14
Monetary statistics	15
Money and interest rates	14
Money supply	15
Mortgage applications, loans, rates	8, 13, 14
Motor carriers	18
Motor vehicles	2-4, 6, 8, 9, 15, 17, 32
National parks, visits	18
Newspaper	29
New York Stock Exchange, selected data	16
Nonferrous metals	2, 4, 5, 15, 25, 26
Oats	21
Oils and fats	17
Orders, new and unfilled, manufacturers'	4, 5
Outlays, U.S. Government	14
Paint and paint materials	20
Paper and products and pulp	2-4, 6, 10-12, 15, 28, 29
Parity ratio	5
Passenger cars	2-4, 6, 8, 9, 15, 17, 32
Passports issued	18
Personal consumption expenditures	1
Personal income	1
Personal outlays	1
Petroleum and products	2-4, 10-12, 15, 17, 27, 28
Pig iron	24
Plastics and resin materials	20
Population	9
Pork	22
Poultry and eggs	5, 22
Price deflator, implicit (PCE)	1
Prices (see also individual commodities)	5, 6
Printing and publishing	2, 10-12
Private sector employment, hours, earnings	10-12
Producer Price Indexes (see also individual commodities)	6
Profits, corporate	15
Public utilities	1, 2, 7, 15, 16, 20
Pulp and pulpwood	28
Purchasing power of the dollar	6
Radio and television	8, 27
Railroads	13, 16, 18, 32
Ranges and microwave ovens	27
Rayon and acetate	31
Real estate	8, 13
Receipts, U.S. Government	14
Refrigerators	27
Registrations (new vehicles)	32
Rent (housing)	6
Retail trade	2, 3, 5, 8-12, 14, 32
Rice	21
Rubber and products (incl. plastics)	2-4, 6, 10-12, 29
Saving, personal	1
Savings deposits	13
Savings institutions	8, 14
Securities issued	15
Security markets	15, 16
Services	6, 10-12
Sheep and lambs	22
Shoes and other footwear	23
Silver	14
Spindle activity, cotton	31
Steel and steel manufactures	24, 25
Stock market customer financing	15
Stock prices, yields, sales, etc.	16
Stone, clay, glass products	2-4, 10-12, 15, 30
Sugar	23
Sulfur	19
Sulfuric acid	19
Superphosphate	19
Synthetic textile products	31
Tea imports	23
Telephone carriers	19
Television and radio	27
Textiles and products	2-4, 10-12, 15, 30-32
Tin	26
Tires and inner tubes	29
Tobacco and manufactures	2-4, 10-12, 23
Tractors	27
Trade (retail and wholesale)	2, 3, 5, 8-12, 32
Transit lines, urban	18
Transportation	6, 10-12, 15, 16, 18
Transportation equipment	2-6, 10-12, 15, 17, 32
Travel	18
Truck trailers	32
Trucks	2, 32
Unemployment and insurance	9, 10, 13
U.S. Government bonds	16
U.S. Government finance	15
Utilities	2, 6, 7, 15, 16, 20
Vacuum cleaners	27
Variety stores	9
Vegetables and fruits	5
Wages and salaries	1, 12
Washers and dryers	27
Water heaters	27
Wheat and wheat flour	21, 22
Wholesale trade	2, 3, 5, 8, 10-12
Wood pulp	28
Wool and wool manufactures	31
Zinc	26

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The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. (1986) Contains detailed estimates of the national income and product accounts for 1929-82 from the comprehensive revision released in 1985. Also includes definitions of the major components of the accounts and of the major sectors of the economy. 442 pages. \$23.00 (GPO Stock No. 003-010-00174-7).

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Fixed Reproducible Tangible Wealth in the United States, 1925-85. (1987) Contains annual estimates of the stock of privately owned and government-owned durable equipment and structures and of durable goods owned by consumers in the United States for 1925-85. Estimates are for fixed nonresidential private capital by major industry group (farm, manufacturing, and nonfarm nonmanufacturing), for residential capital by tenure group (owner-occupied and tenant-occupied), for government-owned fixed capital by type of government (Federal and State and local), and for 11 types of durable goods owned by consumers. 400 pages. \$18.00 (GPO Stock No. 003-010-00177-1).

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1990 Release Dates for BEA Estimates

Subject	Release Date*	Subject	Release Date*
State Personal Income, 3d quarter 1989.....	Jan. 23	State Personal Income, 1st quarter 1990.....	July 19
Gross National Product, 4th quarter 1989 (advance)	Jan. 26	Gross National Product, 2d quarter 1990 (advance)	July 27
Personal Income and Outlays, December 1989	Jan. 29	Personal Income and Outlays, June 1990	July 30
Composite Indexes of Leading, Coincident, and Lagging Indicators, December 1989.	Jan. 31	Composite Indexes of Leading, Coincident, and Lagging Indicators, June 1990.	Aug. 1
Merchandise Trade (balance of payments basis), 4th quarter 1989	Feb. 27	State Per Capita Personal Income, 1989 (revised)	Aug. 22
Gross National Product, 4th quarter 1989 (preliminary).....	Feb. 28	Gross National Product, 2d quarter 1990 (preliminary)	Aug. 24
Personal Income and Outlays, January 1990.....	Mar. 1	Corporate Profits, 2d quarter 1990.....	Aug. 24
Composite Indexes of Leading, Coincident, and Lagging Indicators, January 1990.	Mar. 2	Personal Income and Outlays, July 1990.....	Aug. 27
Summary of International Transactions, 4th quarter 1989.....	Mar. 13	Merchandise Trade (balance of payments basis), 2d quarter 1990.....	Aug. 28
Gross National Product, 4th quarter 1989 (final).....	Mar. 28	Composite Indexes of Leading, Coincident, and Lagging Indicators, July 1990.	Aug. 29
Corporate Profits, 4th quarter 1989.....	Mar. 28	Summary of International Transactions, 2d quarter 1990.....	Sept. 11
Personal Income and Outlays, February 1990.....	Mar. 29	Gross National Product, 2d quarter 1990 (final)	Sept. 25
Composite Indexes of Leading, Coincident, and Lagging Indicators, February 1990.	Apr. 3	Corporate Profits, 2d quarter 1990 (revised)	Sept. 25
State Personal Income, 4th quarter 1989 and Per Capita Personal Income, 1989 (preliminary).	Apr. 19	Personal Income and Outlays, August 1990.....	Sept. 26
Gross National Product, 1st quarter 1990 (advance).....	Apr. 27	Composite Indexes of Leading, Coincident, and Lagging Indicators, August 1990.	Sept. 28
Corporate Profits, 4th quarter 1989 (revised).....	Apr. 27	State Personal Income, 2d quarter 1990	Oct. 23
Personal Income and Outlays, March 1990.....	Apr. 30	Gross National Product, 3d quarter 1990 (advance)	Oct. 30
Composite Indexes of Leading, Coincident, and Lagging Indicators, March 1990.	May 2	Personal Income and Outlays, September 1990	Oct. 31
Metropolitan Area Personal Income, 1988	May 3	Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1990.	Nov. 2
Gross National Product, 1st quarter 1990 (preliminary)	May 24	Merchandise Trade (balance of payments basis), 3d quarter 1990.....	Nov. 27
Corporate Profits, 1st quarter 1990	May 24	Gross National Product, 3d quarter 1990 (preliminary)	Nov. 28
Merchandise Trade (balance of payments basis), 1st quarter 1990.....	May 25	Corporate Profits, 3d quarter 1990.....	Nov. 28
Personal Income and Outlays, April 1990.....	May 25	Personal Income and Outlays, October 1990.....	Nov. 29
Composite Indexes of Leading, Coincident, and Lagging Indicators, April 1990.	May 30	Composite Indexes of Leading, Coincident, and Lagging Indicators, October 1990.	Nov. 30
Summary of International Transactions, 1st quarter 1990	June 12	Summary of International Transactions, 3d quarter 1990.....	Dec. 11
Gross National Product, 1st quarter 1990 (final).....	June 21	Gross National Product, 3d quarter 1990 (final)	Dec. 19
Corporate Profits, 1st quarter 1990 (revised)	June 21	Corporate Profits, 3d quarter 1990 (revised)	Dec. 19
Personal Income and Outlays, May 1990.....	June 22	Personal Income and Outlays, November 1990.....	Dec. 20
Composite Indexes of Leading, Coincident, and Lagging Indicators, May 1990.	June 27		

* These are target dates and are subject to revision.

For information, call (202) 523-0777, Bureau of Economic Analysis, U.S. Department of Commerce.