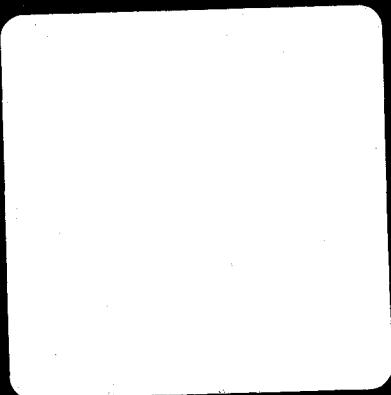


APRIL 1988 / VOLUME 68 NUMBER

4

SURVEY OF CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE / BUREAU OF ECONOMIC ANALYSIS



## SURVEY OF CURRENT BUSINESS



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**NOTE.**—This issue of the SURVEY went to the printer on May 12, 1988. It incorporates data from the following monthly BEA news releases:

Gross National Product (Apr. 26),  
Personal Income and Outlays (Apr. 27), and  
Composite Indexes of Leading, Coincident, and Lagging Indicators (Apr. 29).

# ***the BUSINESS SITUATION***

BOTH U.S. production and U.S. demand slowed in the first quarter of 1988. Inflation continued at about the same rate as in the preceding two quarters (chart 1).

- Real GNP increased at an annual rate of 2½ percent, following an increase of 5 percent in the fourth quarter.
- Real gross domestic purchases increased at an annual rate of 2 percent, following a 4½-percent increase.

- Both the GNP price index (fixed weights) and the price index for gross domestic purchases (fixed weights) again increased at an annual rate of 3½ percent.

In the first quarter, as in the fourth, the increase in real GNP, a measure of production, was somewhat larger than that in real gross domestic purchases, a measure of demand. The difference reflected a modest improvement in real net exports. While exports and imports both increased

## **Looking Ahead . . .**

• **Economic Bulletin Board.** Two items from BEA are newly available on the Commerce Department's Economic Bulletin Board: The S pages (or "blue" pages) of the SURVEY, which will be updated monthly, and the table "Key Source Data and Assumptions," which will be updated quarterly. The second item shows data underlying the preliminary estimate of GNP. For information about the Economic Bulletin Board, call (202) 377-1986.

• **U.S. Affiliates of Foreign Companies: Operations in 1986.** Data and analysis of the operations in 1986 of foreign-owned U.S. companies, by industry and by country of foreign owner, will be presented in the May SURVEY. Key measures by State will also be presented.

• **U.S. Business Enterprises Acquired or Established by Foreign Direct Investors in 1987.** Data on the cost to foreign direct investors of the ownership interests acquired or established in U.S. business enterprises in 1987, by industry and by country of foreign owner, will be presented in the May SURVEY. Selected operating data of the U.S. business enterprises will also be presented.

• **Pollution Abatement and Control Expenditures.** Estimates of U.S. expenditures for pollution abatement and control for 1983-86 will appear in the May SURVEY.

• **Gross State Product.** Estimates of gross State product will be introduced in the May SURVEY. The estimates are by industry for 1963-86.

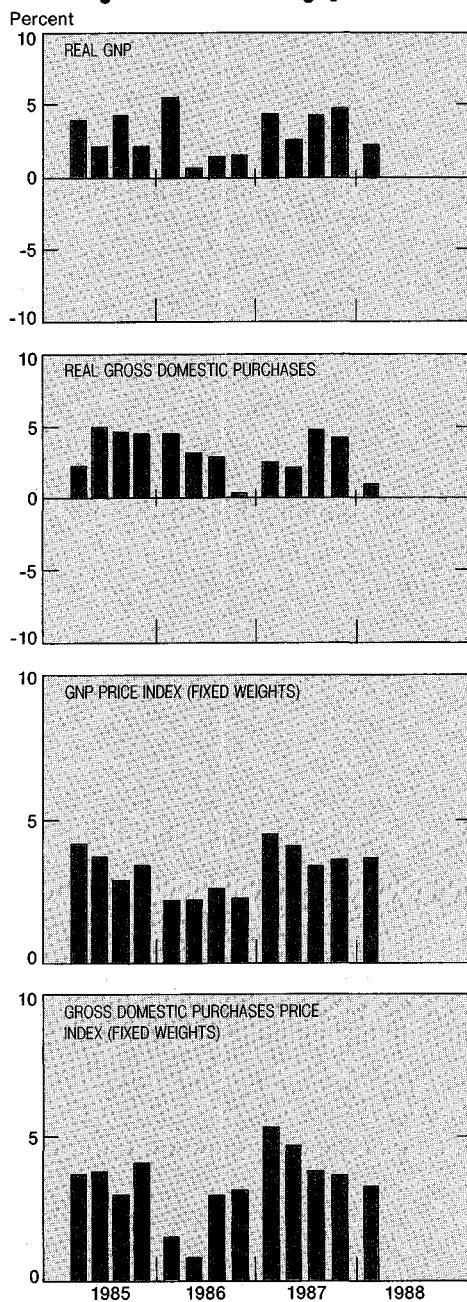
• **Regional Projections.** A comparison of BEA's regional economic projections for 1986 and 1987 with actual estimates and an evaluation of the differences will appear in the June SURVEY.

• **U.S. International Transactions and Investment Position.** Revised estimates of U.S. international transactions will be presented in the June SURVEY, along with preliminary estimates for the first quarter of 1988. The revisions cover 1983-87. The same issue will present preliminary estimates for yearend 1987 of U.S. assets abroad and foreign assets in the United States and the sources of change in the investment position.

• **Annual Revisions of the National Income and Product Accounts.** Revised estimates will be presented in the July SURVEY. The revisions cover the 3-year period beginning with the first quarter of 1985.

**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

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less than in the fourth quarter, the increase in exports again exceeded that in imports (table 1).

The deceleration in real gross domestic purchases in the first quarter was attributable to a sharp swing in business inventory investment; final sales to domestic purchasers were up considerably more in the first quarter than in the fourth. Sharp changes in motor vehicles and in farm products were the major contributors to the movements in both inventories and final sales.

Real inventory investment—that is, change in business inventories—declined \$2½ billion in the first quarter, following a \$36 billion increase in the

Table 1.—Recent Patterns in Real GNP and Real Gross Domestic Purchases

[Billions of 1982 dollars; seasonally adjusted at annual rates]

	Level		Change from preceding quarter		
	1987		1988		
	III	IV	I	1987	1988
				IV	I
Gross national product.....	3,835.9	3,880.8	3,902.6	44.9	21.8
Less: Exports.....	437.1	453.5	464.6	16.4	11.1
Plus: Imports .....	575.6	589.3	596.8	13.7	7.5
Equals: Gross domestic purchases .....	3,974.4	4,016.6	4,034.9	42.2	18.3
Change in business inventories.....	24.6	60.5	57.9	35.9	-2.6
Farm.....	12.5	9.0	19.6	-3.5	10.6
Motor vehicles.....	-18.2	10.6	-9.4	28.8	-20.0
Other .....	30.3	40.9	47.7	10.6	6.8
Final sales to domestic purchasers.....	3,949.8	3,956.1	3,977.0	6.3	20.9
CCC inventory change in government purchases.....	-9.2	1.0	-14.9	10.2	-15.9
Motor vehicles.....	203.2	188.2	198.9	-20.0	10.7
Other <sup>1</sup> .....	3,755.8	3,771.9	3,798.0	16.1	26.1

1. Consists of personal consumption expenditures (PCE) less PCE for motor vehicles, nonresidential and residential structures, producers' durable equipment (PDE) less PDE for motor vehicles, and government purchases less government purchases of motor vehicles and less CCC inventory change.

Note.—Motor vehicle estimates are found in tables 1.18 and 1.20 for autos and trucks, respectively—of the "Selected NIPA Tables." The other estimates are found in tables 1.2, 1.6, and 3.8B.

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

The preliminary GNP estimates for the first quarter are based on the following major source data: For *personal consumption expenditures* (PCE), retail sales through March, and unit auto and truck sales through March; for *nonresidential fixed investment*, the same information for autos and trucks as for PCE, construction put in place for January and February, and manufacturers' shipments of machinery and equipment through March; for *residential investment*, construction put in place for January and February, and housing starts through March; for *change in business inventories*, manufacturing and trade inventories for January and February, and unit auto inventories through March; for *net exports of goods and services*, merchandise exports and merchandise imports for January and February; for *government purchases of goods and services*, Federal outlays for January and February, and State and local construction put in place for January and February; and for *GNP prices*, the Consumer Price Index through March, the Producer Price Index through March, the unit-value index for petroleum imports for January and February, and unit-value indexes for exports and nonpetroleum imports for January. Some of the source data are subject to revision.

Table 2.—Real Personal Consumption Expenditures

[Seasonally adjusted at annual rates]

	Level	Billions of 1982 dollars				Percent change from preceding quarter				
		Change from preceding quarter		1988		1987		1988		
		1988:I	II	III	IV	I	II	III	IV	
									I	
Personal consumption expenditures.....		2,528.2	11.6	33.2	-16.1	23.6	1.9	5.4	-2.5	3.8
Durables.....		396.2	9.5	21.5	-22.4	11.7	10.5	24.3	-20.3	12.7
Motor vehicles and parts.....		173.9	8.3	20.2	-19.8	7.1	22.7	58.1	-36.2	18.1
Furniture and household equipment.....		158.3	1.0	1.6	-8	5.0	2.7	4.3	-2.1	13.7
Other durables.....		64.0	-1	-3	-1.8	-4	.6	-1.8	-10.4	-2.5
Nondurables.....		874.2	-4.2	-3.3	-1.1	-4	-1.9	-1.5	-5	-2
Food.....		439.0	-5.9	-4.5	1.5	-4	-5.2	-4.0	1.4	-4
Clothing and shoes.....		156.7	-3.1	4.4	-3.1	-1.9	-7.5	11.7	-7.5	-4.7
Energy <sup>1</sup> .....		124.0	2.7	-2.2	1.7	1.0	9.2	-6.9	5.7	3.3
Other nondurables.....		154.5	2.1	-1.0	-1.2	.1	5.5	-2.5	-3.0	.3
Services.....		1,257.7	6.2	15.0	7.5	12.1	2.1	5.0	2.4	3.9
Housing.....		364.5	2.4	2.3	2.2	2.3	2.7	2.6	2.5	2.6
Household operation.....		159.2	1.4	5.1	-1	2.6	3.8	14.2	.3	6.8
Energy <sup>2</sup> .....		80.8	.3	3.7	-5	1.5	1.6	20.9	-2.5	7.8
Other .....		78.4	1.1	1.4	.6	1.1	6.1	7.6	3.2	5.8
Transportation.....		90.7	.6	1.1	.9	1.2	2.8	5.1	4.1	5.5
Medical care.....		269.6	3.3	3.2	2.0	2.4	5.2	5.0	3.1	3.6
Other services.....		373.7	-1.5	3.3	2.3	3.6	-1.6	3.7	2.5	3.9

1. Gasoline and oil, and fuel oil and coal.

2. Electricity and gas.

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in table 2.3.

fourth. The swing was more than accounted for by motor vehicles; farm inventories were a partial offset. Investment in motor vehicle inventories jumped \$29 billion in the fourth quarter and fell \$20 billion in the first, as inventories swung from decumulation in the third quarter to accumulation in the fourth and then back to decumulation in the first. The changes in motor vehicle inventories largely reflected the scope and timing of incentive programs that boosted sales in the third and first quarters relative to sales in the fourth. In addition, motor vehicle production was higher in the fourth quarter than in the third and first quarters. Investment in farm inventories declined \$3½ billion in the fourth quarter and increased \$10½ billion in the first, as inventories accumulated at differing rates in the

third, fourth, and first quarters. The changes in farm inventories largely reflected the pattern of net crop placements with the Commodity Credit Corporation (CCC). Investment in other inventories—that is, nonfarm business inventories other than motor vehicles—increased in both quarters, as inventories registered substantial, and progressively larger, accumulations. The accumulations were concentrated in inventories held by manufacturers and merchant wholesalers of durable goods.

Real final sales to domestic purchasers increased \$21 billion in the first quarter, following a \$6½ billion increase in the fourth. The acceleration was more than accounted for by motor vehicles; net purchases of farm products by the CCC in government purchases were a partial offset. Reflecting the scope and timing of incentive programs, final sales of motor vehicles to domestic purchasers increased \$10½ billion after dropping \$20 billion. Reflecting the pattern of net crop placements, CCC net purchases declined \$16 billion after increasing \$10 billion. Other final sales to domestic purchasers—which may be regarded as an indicator of underlying demand in recent quarters—strengthened to an increase of \$26 billion, or 3 percent, following an increase of \$16 billion, or 1½ percent, in the fourth quarter. The step-up in these final sales was in personal consumption expenditures and in nonresidential fixed investment, specifically producers' durable equipment.

## SURVEY OF CURRENT BUSINESS

**Components of Real GNP**

Except for net exports, which registered another modest improvement, changes in the major components of real GNP in the first quarter differed considerably from those in the fourth. Personal consumption expenditures increased after a decline, and nonresidential fixed investment was up substantially after a small increase. Residential investment, change in business inventories, and government purchases all declined after increasing in the fourth quarter.

**Personal consumption expenditures**

Real personal consumption expenditures (PCE) increased 4 percent in the first quarter after decreasing 2½ percent in the fourth (table 2). About two-thirds of the swing was attributable to purchases of motor vehicles. Since the third quarter of 1985, quarterly changes in PCE have largely been traceable to sharp changes in its motor vehicles and parts component; these changes, in turn, reflected on-again-off-again sales-incentive programs. Chart 2 compares changes in PCE excluding motor vehicles and parts with changes in total PCE. PCE excluding motor vehicles and parts increased 3 percent in the first quarter, following a ½-percent increase in the fourth.

The first-quarter strengthening in PCE can be attributed to several factors. Consumer confidence—as measured by the University of Michigan's

Survey Research Center—rallied as consumers saw that the October stock market plunge was not immediately followed by a recession. Although consumer wealth was reduced as a result of stock market losses, income gains and recent declines in interest rates may have increased willingness to spend and to finance some purchases.

Expenditures for durable goods increased 12½ percent in the first quarter after a 20½-percent decrease in the fourth. All the major durables categories contributed to the swing. Partly in response to enhanced sales-incentive programs for new cars and trucks, motor vehicles and parts increased in the first quarter, following a sharp decrease in the fourth. Furniture and household equipment increased sharply, reflecting a large increase in sales by radio and television retail stores, after a decrease. Other durable goods decreased less than in the fourth quarter.

Expenditures for nondurable goods decreased for the fourth consecutive quarter; however, the decreases have been progressively smaller. In the first quarter, as in previous quarters, the decline in the total masked divergent changes in the major nondurables categories. Although clothing and shoes decreased less than in the fourth quarter, the first-quarter decrease was large enough to more than offset increases in other categories. Food and energy each registered smaller increases than in the fourth quarter, and other nondurables changed little after a moderate decrease.

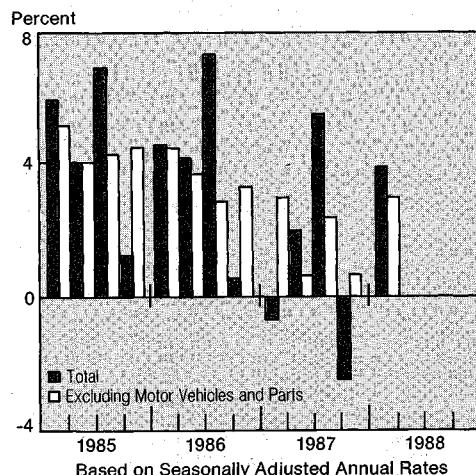
Expenditures for services increased 4 percent in the first quarter after a smaller increase in the fourth. All the major services categories contributed to the first-quarter increase. Housing increased about the same as in the fourth quarter; household operation, transportation, medical care, and other services each accelerated. Within household operation, electricity and gas increased after a small decline.

**Nonresidential fixed investment**

Real nonresidential fixed investment increased 22½ percent in the first quarter, following a small increase in the fourth (table 3). Purchases of producers' durable equipment (PDE) more than accounted for the first-quarter increase; purchases of structures declined after two quarters of increase.

The first-quarter decline in structures was concentrated in nonfarm buildings. Within this category, the largest decline was in construction of commercial buildings, which has fallen 20 percent below its high in the fourth quarter of 1985; construction of industrial buildings, which also declined in the first quarter, has fallen 25 percent below its high in the second quarter of 1985. Oil well drilling declined slightly again in the first quarter; its first-quarter level was 40 percent below the high in the third quarter of 1984.

Two-thirds of the first-quarter increase in PDE was accounted for by purchases of information processing equipment. Within this category, computers dominated; communication

**CHART 2****Real Personal Consumption Expenditures: Change From Preceding Quarter****Table 3.—Real Gross Private Domestic Fixed Investment**

[Seasonally adjusted at annual rates]

	Billions of 1982 dollars					Percent change from preceding quarter				
	Level	Change from preceding quarter				1987			I	
		1988		1987						
		II	III	IV	I	II	III	IV		
Gross private domestic fixed investment.....	1988:I	680.5	10.5	22.6	5.3	17.9	6.9	15.0	3.3	11.3
Nonresidential.....		488.3	11.9	25.9	1.8	22.7	11.7	25.8	1.6	21.0
Structures.....		128.1	0	6.8	2.6	-1.7	0	24.6	8.4	-5.1
Nonresidential buildings, excluding farm .....		73.4	-1.6	1.1	3.0	-1.7	-8.5	6.3	17.7	-8.8
Public utilities.....		26.4	1.2	2.5	-1	-2	23.0	49.1	-1.5	3.1
Mining exploration, shafts, and wells.....		24.5	.1	3.2	-2	-3	1.9	73.0	-3.2	-4.8
Other.....		3.8	.2	.2	-1	0	24.9	23.4	-9.9	0
Producers' durable equipment.....		360.3	11.9	19.1	-8	24.5	16.5	26.3	-.9	32.5
Information processing and related equipment.....		160.3	3.9	13.7	-2.6	16.8	12.7	48.3	-6.9	55.7
Industrial equipment.....		70.2	.3	1.9	2.4	1.2	1.9	12.3	15.2	7.1
Transportation and related equipment.....		63.1	6.8	.6	-1.8	4.5	56.1	4.1	-11.4	34.4
Other.....		66.6	1.6	2.9	1.1	1.9	11.3	20.5	7.1	12.3
Residential.....		192.2	-1.4	-3.3	3.5	-4.8	-2.8	-6.5	7.4	-9.4
Single-family structures.....		98.5	.9	-.1	3.0	-1.7	3.8	-.4	12.9	-6.6
Multifamily structures.....		20.0	-2.5	-2.5	.5	-1.7	-33.0	-36.0	9.8	-27.8
Other.....		73.7	.1	-.6	-.1	-1.4	.5	-3.1	-.5	-7.3

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in the "Reconciliation and Other Special Tables," in this issue.

equipment increased modestly, and other components were flat. The computer component of PDE had grown rapidly during 1983-85 but then stalled through 1986 and the first half of 1987. The large increases in the third quarter of last year and in the first quarter of this year may be a signal that computer purchases are recovering. Nevertheless, a second-quarter increase equal in size to that of the first quarter would be needed for computers to reach a level consistent with a continuation of the 1983-85 trend.

### Residential investment

Real residential investment declined 9½ percent in the first quarter, following a 7½-percent increase in the fourth (table 3). All three components declined—construction of single-family and of multifamily structures after increases in the fourth quarter, and the other component (which includes mobile homes, additions and alterations, major replacements, and brokers' commissions on house sales) after little change in the fourth.

The decline in single-family construction mainly reflected a drop of 64,000 in the number of single-family units started (at seasonally adjusted annual rates) in the fourth quarter of last year (chart 3). Starts increased in the first quarter, but only by 12,000.

**Table 4.—Change in Real Business Inventories**  
[Billions of 1982 dollars; seasonally adjusted at annual rates]

	Level					Change from preceding quarter			
	1987				1988	1987		1988	
	I	II	III	IV	I	II	III	IV	I
Change in business inventories.....	47.6	39.0	24.6	60.5	57.9	-8.6	-14.4	35.9	-2.6
Farm .....	3.7	16.3	12.5	9.0	19.6	12.6	-3.8	-3.5	10.6
Nonfarm .....	43.9	22.7	12.1	51.5	38.3	-21.2	-10.6	39.4	-13.2
Manufacturing .....	5.3	-4.4	12.1	9.4	16.5	-9.7	16.5	-2.7	7.1
Wholesale trade .....	6.6	5.6	1.6	14.2	23.1	-1.0	-4.0	12.6	8.9
Retail trade .....	25.2	15.5	-8.0	20.2	-6.8	-9.7	-23.5	28.2	-27.0
Auto dealers .....	21.3	3.0	-11.9	14.1	-9.8	-18.3	-14.9	26.0	-23.9
Other retail trade .....	3.9	12.5	3.9	6.2	3.0	8.6	-8.6	2.3	-3.2
Other .....	6.8	6.0	6.4	7.7	5.5	-8	.4	1.3	-2.2
Addendum:									
Nonfarm less auto dealers.....	22.6	19.7	24.0	37.4	48.1	-2.9	4.3	13.4	10.7

Note.—Dollar levels for most inventories are found in table 5.11 of the "Selected NIPA Tables."

The decline in multifamily construction resumed a downtrend that had been interrupted by a small increase in the fourth quarter. The downturn reflected high rental vacancy rates and the curtailment, by changes in the Federal tax laws, of tax incentives for multifamily investment. The first-quarter level of multifamily construction was 33 percent below its high in the second quarter of 1986.

The decline in the other component of residential investment partly reflected a drop in brokers' commissions. Sales of new and existing residences (seasonally adjusted at annual rates) declined 327,000 from the fourth quarter to January-February, despite a slide in mortgage rates from 11.26 percent in October 1987 to 9.93 percent in March 1988 (chart 4).

### Inventory investment

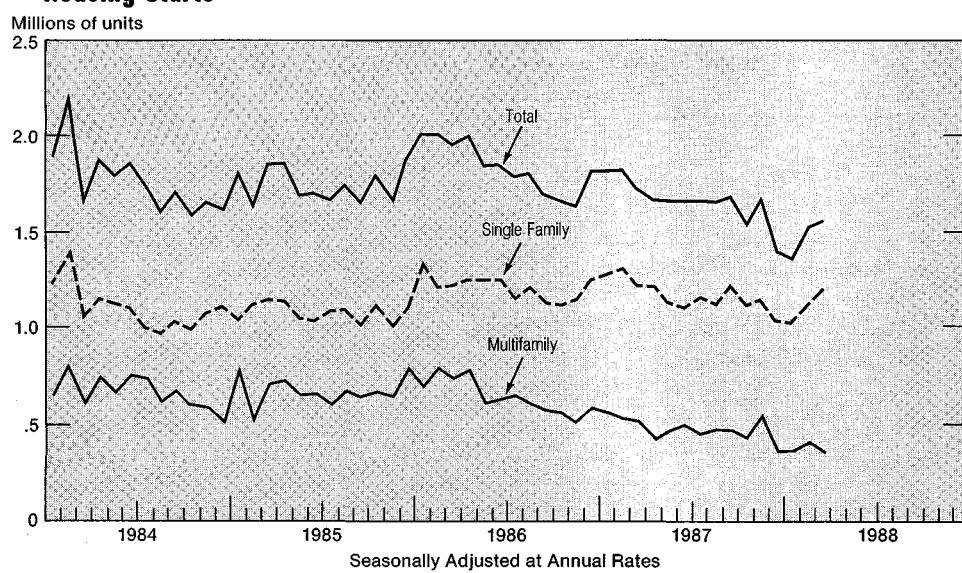
Real inventory investment decreased \$2½ billion in the first quarter, as inventory accumulation decreased to \$58 billion from \$60½ billion in the fourth quarter (table 4). In contrast, inventory investment had increased \$36 billion in the fourth quarter.

Among nonfarm inventories, inventories of retail auto dealers declined \$10 billion, following an increase of \$14 billion in the fourth quarter and a decline of \$12 billion in the third.<sup>1</sup> The recent reduction, which was concentrated in inventories of domestic cars and trucks (as indicated by unit data), reflected enhanced sales-incentive programs and cuts in production.

Nonfarm inventories excluding those held by auto dealers (shown as an addendum to table 4) increased \$48 billion after increases of \$37½ billion and \$24 billion in the fourth and third quarters, respectively. This steady accumulation was evident in most major subcategories.

Manufacturing inventories increased \$16½ billion, following increases of \$9½ billion and \$12 billion in the preceding two quarters. The three-quarter accumulation was concentrated in durables, where almost one-half was in other transportation equipment. Inventories of nondurables, particularly chemicals, also accumulated in all three quarters.

### Housing Starts



Data: Census  
U.S. Department of Commerce, Bureau of Economic Analysis

1. The estimates for inventories of retail auto dealers, which are derived from Census Bureau inventory data, cover most auto inventories—including inventories of new and used autos, domestic and foreign—but do not include those held by manufacturers and wholesalers. The data for retail auto dealers also cover parts and some trucks and other motorized vehicles. The change in business inventories for retail auto dealers differs in terms of sources and coverage from the changes in inventories of autos and trucks that are part of the motor vehicle output estimates.

**Table 5.—Real Net Exports of Goods and Services**  
 [Seasonally adjusted at annual rates]

	Billions of 1982 dollars					Percent change from preceding quarter			
	Level 1988:I	Change from preceding quarter				1987			
		1987			1988	1987		1988	
		II	III	IV	I	II	III	IV	I
Net exports of goods and services .....	-132.2	2.5	-5.7	2.6	3.6	.....	.....	.....	.....
Exports .....	464.6	16.7	22.6	16.4	11.1	17.9	23.7	15.9	10.2
Merchandise .....	315.6	11.8	20.9	12.4	11.8	19.5	34.7	18.1	16.5
Agricultural .....	41.1	2.9	6.1	-4.3	5.2	42.7	93.1	-36.4	71.8
Nonagricultural .....	274.5	9.0	14.8	16.7	6.6	16.8	27.5	29.4	10.2
Services .....	149.0	4.8	1.7	4.0	-.7	14.5	4.8	11.4	-1.9
Imports .....	596.8	14.2	28.4	18.7	7.5	11.1	22.4	9.9	5.2
Merchandise .....	472.8	7.6	22.1	10.4	7.0	7.3	22.0	9.5	6.2
Petroleum .....	86.4	2.6	15.4	-7.0	5.9	15.8	116.9	-25.4	32.7
Nonpetroleum .....	386.0	5.0	6.7	17.4	1.2	5.7	7.6	20.3	1.3
Services .....	124.5	6.6	6.2	3.4	.5	26.8	23.5	11.8	1.6

Note.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in tables 4.2 and 4.4.

Wholesale trade inventories surged \$23 billion, following increases of \$14 billion and \$1½ billion. Inventories of merchant wholesalers of durable goods increased sharply in both the first and fourth quarters; about one-half of the two-quarter buildup was accounted for by machinery, equipment, and supplies. Inventories of merchant wholesalers of nondurables continued to increase; the first-quarter accumulation was more than accounted for by farm products and by petroleum and petroleum products.

Retail trade inventories excluding autos increased \$3 billion, following increases of \$6 billion and \$4 billion. The first-quarter accumulation was more than accounted for by department store inventories, which accumulated at a higher rate than in the past several quarters.

Other nonfarm inventories continued the steady accumulation of the past several quarters.

Farm inventories increased \$19½ billion, following increases of \$9 billion in the fourth quarter and \$12½ billion in the third. In the first quarter, crop withdrawals from the CCC were substantial, while open market sales remained well below current production.

Because of the rapid accumulations in inventories, the constant-dollar ratio of total business inventories to total business final sales increased sharply over the past two quarters—to 3.26 from 3.18. At 3.26, the ratio is above the range within which it fluctuated during the past 10 quarters.

#### Net exports

Real net exports increased \$3½ billion in the first quarter, following an increase of \$2½ billion in the fourth

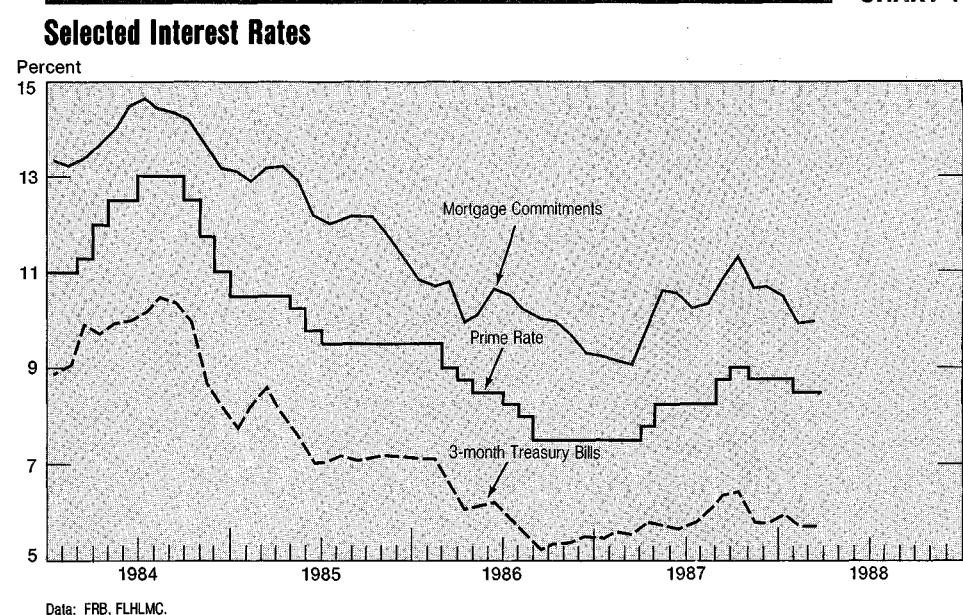
(table 5). Exports and imports both increased, although less than in recent quarters.

Merchandise exports increased \$12 billion, or 16½ percent, in the first quarter after an increase of \$12½ billion, or 18 percent. The first-quarter increase was about evenly divided between agricultural and nonagricultural exports. Agricultural exports increased \$5 billion in the first quarter after a decrease of \$4½ billion in the fourth; the increase reflected large shipments of wheat and soybeans to the Soviet Union. Nonagricultural exports increased \$6½ billion, following larger increases in the preceding two quarters. The increases were widespread among end-use categories; in each quarter, the largest increase was in capital goods except autos.

Exports of services declined \$½ billion after an increase of \$4 billion. The swing, which was in receipts of factor income, reflected declines in interest rates and in the volume of lending. Exports of other services increased after a decline.

Merchandise imports increased \$7 billion, or 6 percent, in the first quarter after an increase of \$10½ billion, or 9½ percent. The first-quarter increase was largely accounted for by petroleum imports, which have fluctuated sharply from quarter to quarter. Petroleum imports increased \$6 billion in the first quarter, following a decrease of \$7 billion in the fourth quarter and an increase of \$15½ billion in the third. Aside from these fluctuations, which partly reflected changes in petroleum prices and price expectations, petroleum imports were strong; the average level for the last three quarters was 16 percent above the average level for the previous three quarters. The recent strength partly reflects increasing domestic consumption and declining domestic production. Nonpetroleum imports increased \$1 billion, following an increase of \$17½ billion. The sharp slowing in the first quarter was largely accounted for by automotive imports, which decreased \$5½ billion after an increase of \$2 billion, and by capital goods except autos, which increased \$3 billion after an increase of \$9 billion.

#### CHART 4



Imports of services increased \$1/2 billion after an increase of \$3 1/2 billion. The slowdown, which was in payments of factor income, reflected declines in interest rates and in the volume of borrowing. Imports of other services increased after a decline.

#### Government purchases

Real government purchases decreased \$20 1/2 billion, or 10 percent, in the first quarter, following an increase of \$17 billion, or 9 percent, in the fourth (table 6). The sharp turnaround largely reflected the pattern of changes in inventories of farm products held by the CCC, although other Federal Government purchases and State and local government purchases also contributed.

The level of inventories held by the CCC decreased \$15 billion in the first quarter, resuming a series of reductions that had been interrupted by a small increase in the fourth quarter. The fourth-quarter increase reflected increased placements of corn and soybeans with the CCC under the commodity loan program. The first-quarter decrease was largely due to continued withdrawals of crops from the CCC through the use of certificates initially issued to farmers in lieu of cash subsidy payments and to increased sales of commodities, particularly soybeans and wheat, from CCC inventories.

Federal nondefense purchases excluding CCC inventory transactions decreased \$1/2 billion in the first quarter after increasing in the fourth; most of the swing was in purchases of structures. Federal national defense purchases decreased \$6 billion, following a small decrease in the fourth quarter. One-half of the first-quarter decrease was accounted for by pur-

chases of military equipment, which fell to its lowest level in 2 years. All of the other categories of defense purchases—other durable goods, nondurable goods, employee compensation, other services, and structures—also decreased in the first quarter.

State and local government purchases increased \$1 1/2 billion in the first quarter, following a larger increase in the fourth. The slowdown was traceable to purchases of structures, which had registered its only recent increase in the fourth quarter.

#### Prices

GNP prices and gross domestic purchases prices both increased at about the same rate—3 1/2 percent—in the first quarter as in the fourth (table 7). The first-quarter increase in each of these price measures was boosted 0.3 percentage point by the combined effects of a 2-percent pay raise for Federal civilian and military personnel and of increases in the Federal Government's contributions—as an employer—for social insurance programs. (Such increases in employee compensation are treated in the national income and product accounts as an increase in the price of employee services purchased by the Federal Government.)

Prices of exports again increased moderately in the first quarter; increases in prices of imports slowed for the fourth consecutive quarter. The slowdown in import prices during the past year was largely due to petroleum prices, which cascaded from an increase of 126 1/2 percent in the first quarter of last year to a decline of 41 percent in the first quarter of this year. Prices of other merchandise imports again increased strongly—7 1/2

percent—in the first quarter. The first-quarter strength was primarily in prices of nonpetroleum industrial supplies and materials, which accelerated to an 11 1/2-percent increase, and in prices of capital goods except autos, which accelerated to an 8 1/2-percent increase. Some deceleration was evident in prices of autos, which were up 3 percent, and in prices of consumer goods, up 4 1/2 percent.

PCE prices increased 2 1/2 percent in the first quarter, somewhat less than in the fourth. Food prices increased less than in the fourth quarter; the deceleration was largely due to prices of fresh fruits and vegetables, which dropped sharply after a large increase. Energy prices declined about as much as in the fourth quarter; the declines were mainly in gasoline prices. Other PCE prices increased somewhat less than in the fourth quarter; fluctuations in other PCE prices in recent quarters were largely due to sharp swings in prices of clothing and shoes.

Prices of fixed investment increased 3 percent, following little change in the fourth quarter. Among the investment components, prices of nonresidential structures returned to a moderate rate of increase after a somewhat smaller increase in the fourth quarter. PDE prices increased after several quarters of little change, as computer prices declined much less than in recent quarters and as other

Table 6.—Real Government Purchases of Goods and Services

[Seasonally adjusted at annual rates]

	Billions of 1982 dollars				Percent change from preceding quarter				
	Level	Change from preceding quarter			1987			1988	
		1988:I			II	III	IV	I	
		II	III	IV	II	III	IV	I	
<b>Government purchases of goods and services</b> .....	768.3	7.1	5.0	17.2	-20.6	3.8	2.6	9.2	-10.0
Federal.....	325.3	5.3	3.7	11.3	-22.3	6.6	4.5	14.1	-23.3
National defense.....	261.8	6.1	4.8	-6	-5.9	9.8	7.5	.9	-8.5
Nondefense.....	63.5	-.8	-1.2	12.1	-16.5	-4.5	-6.8	92.7	-60.3
Commodity Credit Corporation inventory change.....	-14.9	-6.6	-.1	10.2	-15.9	36.1	-5.5	10.2	-3.0
Other.....	78.4	5.8	-1.1	1.9	-.6				
State and local.....	442.9	1.8	1.3	5.9	1.6	1.7	1.2	5.5	1.5
Structures.....	54.6	-1.4	-1.6	2.7	-1.8	-9.5	-11.1	21.7	-12.2
Other.....	388.3	3.2	2.9	3.2	3.4	3.5	3.1	3.4	3.6

Note.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in table 3.B.

Table 7.—Price Indexes (Fixed Weights): Change From Preceding Quarter

[Percent change at annual rates; based on seasonally adjusted index numbers (1982=100)]

	1987				1988
	II	III	IV	I	
GNP.....	4.1	3.4	3.6	3.7	
Less: Exports.....	4.4	3.1	3.4	4.3	
Plus: Imports.....	11.3	7.5	4.3	.7	
Equals: Gross domestic purchases.....	4.7	3.8	3.7	3.3	
Less: Change in business inventories.....					
Equals: Final sales to domestic purchasers.....	4.7	3.8	3.7	3.4	
Personal consumption expenditures.....	5.2	4.0	4.2	2.7	
Food.....	5.9	2.9	3.6	1.0	
Energy.....	8.9	7.4	-3.5	-3.2	
Other personal consumption expenditures.....	4.7	3.9	5.0	3.6	
Nonresidential structures.....	3.8	8.7	1.9	3.9	
Producers' durable equipment.....	0	.7	0	2.4	
Residential investment.....	6.7	7.3	-1.4	4.0	
Government purchases.....	4.6	3.7	4.6	5.7	
Addenda:					
Merchandise imports.....	13.6	9.6	3.4	-.8	
Petroleum and products.....	50.4	18.0	-13.8	-44.1	
Other merchandise.....	8.5	8.2	6.6	7.6	

Note.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Most index number levels are found in tables 7.1 and 7.3.

PDE prices picked up. Prices of residential structures increased after a decline.

Prices of government purchases were up 5½ percent, somewhat more than in the fourth quarter. The Federal pay raise and increased Federal Government contributions for social insurance boosted the first-quarter increase by 1.4 percentage points.

### Personal Income

Personal income increased \$43 billion in the first quarter, following a \$93½ billion increase in the fourth (chart 5 and table 8). About two-fifths of the deceleration was attributable to the special factors shown in the addenda to the table; in combination, they raised personal income in the fourth quarter and lowered it in the first. Excluding the special factors, all major personal income components—particularly wage and salary disbursements and personal interest income—contributed to the deceleration.

Wage and salary disbursements increased \$36½ billion in the first quarter, \$8 billion less than in the fourth. Private wages and salaries were up less than in the fourth quarter, despite \$2½ billion in profit-sharing payments to employees in the motor vehicle industry. The deceleration in private wages and salaries was attributable to average weekly hours, which declined after an increase, and to employment and average hourly earnings, both of which increased less than in the fourth quarter. Government wages and salaries were boosted \$2 billion in the first quarter by the pay raise for Federal employees.

A sharp—\$24 billion—downswing in farm proprietors' income in the first quarter reflected the timing of major farm subsidy payments. Subsidies had jumped \$14½ billion to a level of \$19½ billion in the fourth quarter, when deficiency payments on 1986-harvested corn and 1987-harvested wheat and payments for participation in conservation programs were

made. Subsidies declined \$9½ billion in the first quarter. Farm income excluding subsidies declined slightly for the third consecutive quarter; the declines reflected weakness in both prices and production. Nonfarm proprietors' income was up less than in the fourth quarter; construction declined after an increase, and services were up less than in the fourth quarter.

Transfer payments increased \$17½ billion in the first quarter, \$12 billion more than in the fourth. The step-up was due to cost-of-living adjustments (COLA's) to benefits under the social security and several other Federal retirement and income support programs; the COLA's, which became effective in January, added \$13 billion

### CHART 5

#### Selected Personal Income and Saving Measures

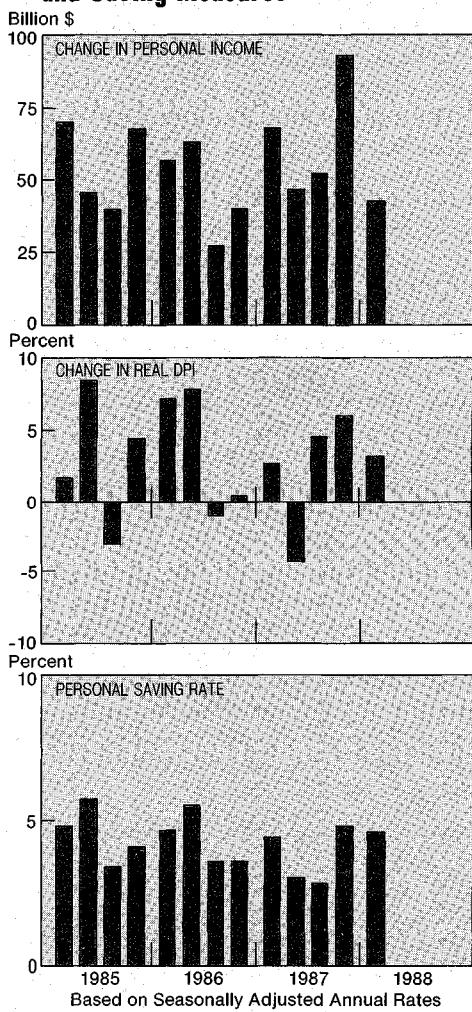


Table 8.—Personal Income and Its Disposition

(Billions of dollars; seasonally adjusted at annual rates)

	Level	Change from preceding quarter				
		1988:I		1987		1988
		II	III	IV	I	
Wage and salary disbursements						
Manufacturing	2,306.5	28.1	34.7	44.1	36.8	
Other commodity-producing	499.8	1.8	6.1	9.6	5.1	
Distributive	161.8	.3	.7	3.3	1.8	
Services	542.9	7.4	7.4	8.7	7.9	
Government and government enterprises	662.9	12.6	14.6	15.4	13.6	
Other labor income	439.1	5.9	6.1	7.0	7.9	
Proprietors' income	215.4	2.8	1.6	2.4	1.9	
Farm	336.7	2.2	-.4	20.0	-6.0	
Nonfarm	44.1	-4.0	-6.7	13.7	-10.2	
Rental income of persons	292.6	6.1	6.3	6.8	4.2	
Personal dividend income	21.1	-1.1	-1.6	3.6	.2	
Personal interest income	92.1	1.8	2.4	1.8	1.6	
Transfer payments	545.8	6.5	13.7	18.8	7.0	
Less: Personal contributions for social insurance	569.0	7.8	4.3	5.6	17.6	
Personal income	189.4	1.7	2.3	2.9	15.8	
Less: Personal tax and nontax payments	3,897.2	46.6	52.4	93.4	42.8	
Impact of Tax Reform Act of 1986	577.0	41.9	-12.3	13.7	-2.4	
Other		25.7	-25.6	.6	-15.1	
Equals: Disposable personal income	3,320.2	4.7	64.7	79.7	45.2	
Less: Personal outlays	3,167.1	49.9	69.1	12.8	47.8	
Equals: Personal saving	153.1	-45.2	-4.4	66.9	-2.6	
Addenda: Special factors in personal income:						
In wages and salaries:						
Federal Government and Postal Service pay adjustments		.1		.7	1.9	
In other labor income:						
Initial Federal Government payment to employee savings fund		-.6	-.6			
In farm proprietors' income:						
Agricultural subsidy payments		-9.3	-5.4	14.4	-9.5	
In transfer payments:						
Social security retroactive payments		1.8	-1.8		1.5	
Cost-of-living increases in Federal transfer payments					12.8	
In personal contributions for social insurance:						
Social security rate and base changes and increase in premium for supplementary medical insurance					10.8	

1. Estimates of the impact of the Tax Reform Act of 1986 on Federal Government personal tax payments and indirect effects on State and local government personal tax payments.

Note.—Most dollar levels are found in table 2.1 of the "Selected NIPA Tables."

Note.—Changes are from preceding quarter.

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

to transfer payments in the first quarter. In addition, retroactive social security payments to recent retirees added \$1½ billion.

Personal interest income increased \$7 billion in the first quarter, less than one-half the increase in the fourth. The slowdown reflected recent declines in interest rates.

Among the other components of personal income, other labor income, rental income, and dividend income all increased somewhat less in the first quarter than in the fourth. Personal contributions for social insurance, which is subtracted in deriving the personal income total, increased \$16 billion, \$13 billion more than in the fourth quarter. The following changes accounted for \$11 billion of the first-quarter increase in personal contributions: The social security employee tax rate was raised from 7.15 to 7.51 percent, the social security self-employed tax rate was raised from 12.3 to 13.02 percent, the taxable earnings base was raised from \$43,800 to \$45,000, and the supplementary medical insurance monthly premium was raised from \$17.90 to \$24.80.

Personal tax and nontax payments declined \$2½ billion in the first quarter after increasing in the fourth. The decrease largely reflected the direct and indirect effects of the Tax Reform Act of 1986. A large reduction in withheld Federal income taxes resulted from the use of the new Internal Revenue Service graduated tax tables for calculating withholding for the tax year 1988. The lower withholdings reflect decreases in tax rates, increases in personal exemption amounts, and increases in standard deduction amounts. The tax act, on balance, did not have a large impact on nonwithheld taxes (mainly declarations and net settlements) in the first quarter. Nonwithheld taxes were raised by payments on income that had been shifted from 1986 to 1987 to take advantage of lower tax rates and were lowered by several permanent changes in the income tax law that became effective in 1988.

The sharp first-quarter deceleration in personal income more than offset the swing in personal tax and nontax payments, thus leading to a slowdown in disposable personal income (DPI). DPI increased \$45 billion, or 5½ percent, in the first quarter, following an increase of \$79½ billion, or 10½ percent, in the fourth. The deceleration

largely carried through to real DPI, which increased 3 percent after a 6-percent increase.

Personal outlays—largely PCE—were up substantially more in the first quarter than in the fourth. This pickup and the slowdown in current-dollar DPI led to a swing in personal saving from a \$67 billion increase to a \$3 billion decline. The personal saving rate dropped 0.2 percentage point to 4.6 percent in the first quarter but remained above the rates earlier in 1987.

### Corporate Profits in 1987

Profits from current production—profits before tax plus inventory valuation adjustment (IVA) and capital consumption adjustment (CCAdj)—increased \$20½ billion in 1987, following an increase of \$7 billion in 1986. Domestic profits of nonfinancial corporations—by far the largest component of profits, as shown by chart 6—accounted for most of the increase, as both real product and profits per unit of product increased. Domestic profits of financial corporations changed little, and profits from the rest of the world increased \$3 billion.

Profits before tax (PBT) increased \$42 billion in 1987 after an increase of

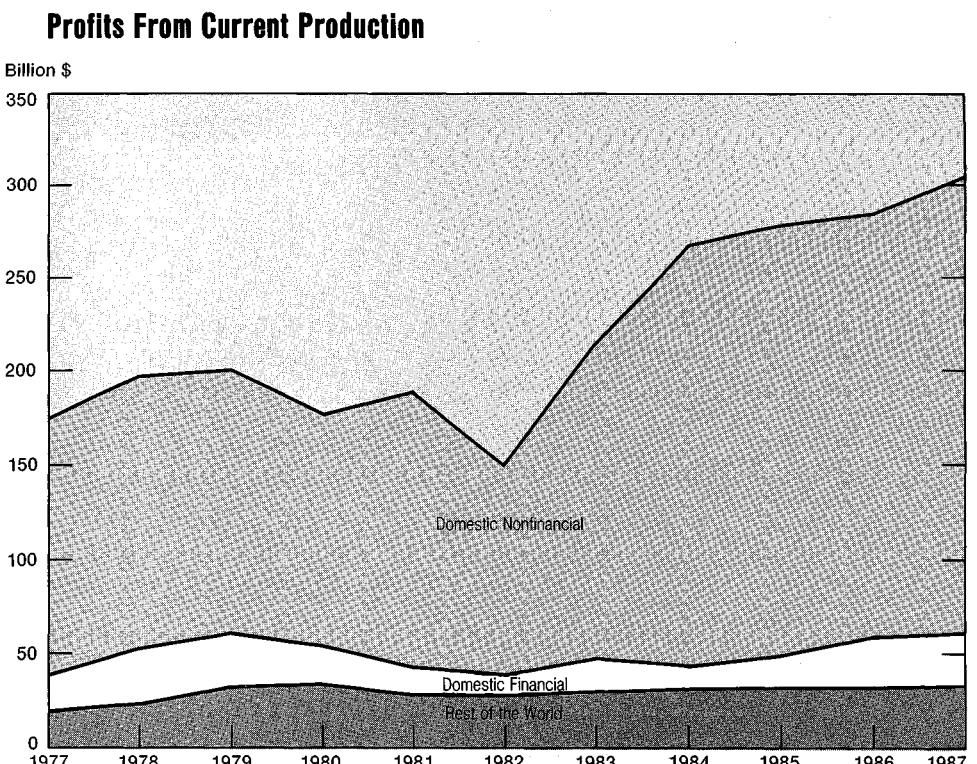
\$7 billion, and profits tax liability increased \$31½ billion after an increase of \$8½ billion. Thus profits after tax increased \$11 billion in 1987 after a \$1½ billion decline in 1986.

The smaller increase in profits from current production than in PBT was more than accounted for by the IVA, which declined \$24 billion (to a level of negative \$17½ billion). The CCAdj increased \$2 billion (to \$48 billion).

The decline in the IVA mirrored an increase in inventory profits that resulted from widespread inventory price increases. Prices of inventoried petroleum and petroleum products showed especially large increases, as the refiner acquisition cost of crude oil increased 23 percent. In 1986, an even sharper decline (45 percent) in crude oil cost had been responsible for most of the negative inventory profits registered that year.

The CCAdj is the difference between depreciation based largely on tax accounting, on the one hand, and economic depreciation as defined by BEA, on the other; as such, it is sensitive to the asset service lives specified in tax laws. For example, the sharp reduction in service lives mandated by the Economic Recovery Tax Act of 1981 led to substantial increases in

CHART 6



tax-based depreciation during 1981-85 but not in economic depreciation; the CCAdj increased steadily. The Tax Reform Act of 1986 mandated an increase in service lives, which will reduce the difference between tax-based depreciation and economic depreciation in the near future; the CCAdj will decline. In the absence of additional tax law changes and unusual changes in levels and prices of business investment, tax-based depreciation is expected to fall below economic depreciation in the early 1990's.

*Profits by industry.*—Profits from current production is not available by industry. PBT with IVA alone, the best measure of industry profits available, increased \$18 billion, to \$256½ billion. By this measure, domestic profits of nonfinancial corporations increased \$14½ billion, domestic profits of financial corporations increased \$1 billion, and profits from the rest of

the world increased \$3 billion. Manufacturing profits, up \$19 billion, more than accounted for the increase in profits of nonfinancial corporations.

Industry profits are estimated from company-based data; in contrast, most of the data that provide insight into the developments that underlie industry profits are establishment-based. Establishment-based data are "pure" in the sense that virtually all of the products or services produced at any one establishment fit neatly into a single industrial classification; virtually all of the products produced at a steel mill, for instance, fall neatly into the category covered by "primary metal industries." In contrast, a company consisting of a number of establishments with very different products or services may not fit so neatly into a single industrial classification. For instance, if a company classified in "primary metal industries" consists of two establishments that manufacture steel, another that refines oil, and still another that provides brokerage services, then that company's profits are not explainable solely in terms of developments affecting primary metal establishments. Despite a lack of strict comparability between the two types of data, establishment-based data are used in the following paragraphs to provide some insight into changes in the company-based profits estimates on the assumption that there is sufficient overlap in the two classification systems for one to shed some light on the other.

The increase in profits of petroleum refining corporations followed a sharp decline in 1986 (chart 7). These changes reflect the involvement of refiners in the "upstream" activities of exploration, development, and extraction. Refining itself actually became less profitable in 1987, as increases in prices of petroleum products did not match increases in refiner acquisition cost. Increased upstream profits, however, much more than offset the decline in profits at the refining stage. Higher crude oil prices were the dominant factor in upstream profits, but a reduction in operating costs—reflecting a cut in production of almost 400,000 barrels per day—also contributed. (Production was cut despite an increase in demand; U.S. consumption increased by 300,000 barrels per day.)

Profits in the chemicals industry increased \$2½ billion in both 1986 and 1987, but the two increases had quite

different sources. In 1986, a decline in costs contributed importantly to the increase in profits; revenue from sales (as approximated by industry shipments) changed little. Two factors—one transitory—contributed to the decline in costs. The transitory factor was the steep drop in petroleum prices that was not matched by declines in prices of petrochemicals. (Petroleum feedstocks account for as much as 70 percent of the production costs of some petrochemicals.) The other factor was the restructuring of the industry that had been under way since about 1982 and that involved the closing of inefficient operations, with associated reductions in work force. Employment declined 19,000 in 1986, to a level 5 percent below its 1982 level, while production increased moderately.

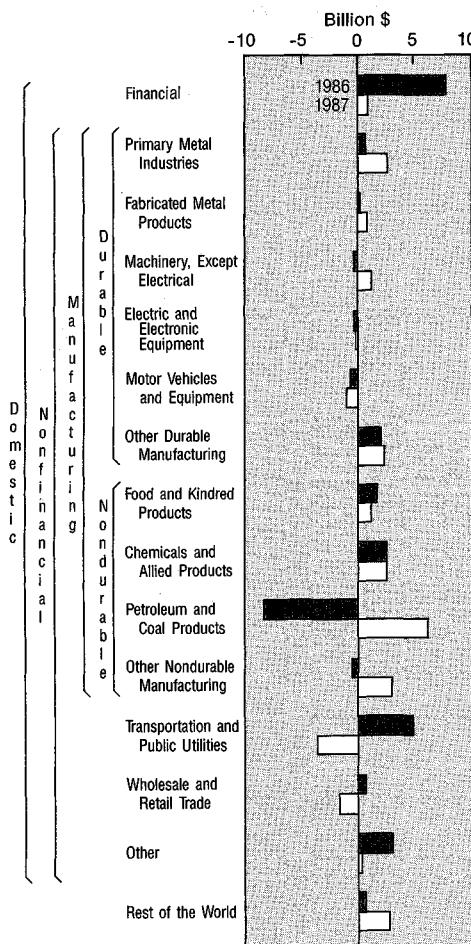
In 1987, increased revenue was the main contributor to increased profits in chemicals. Spurred by foreign demand, sales revenue increased 8½ percent, with volume increasing 6½ percent and prices 2 percent. Exports increased 16 percent, almost four times as much as the year before. In this context of strong demand, firms were able to pass on much of the increase in costs resulting from the partial rebound in petroleum prices. Employment stabilized.

Profits of motor vehicle manufacturers declined \$1 billion after a decline of \$½ billion in 1986 (and a decline of \$2½ billion in 1985). Domestic output of new autos declined in each of the first three quarters of 1987 before jumping sharply in the fourth. For the year as a whole, domestic output (in 1982 dollars) was down 9 percent. (A detailed review of the 1987 model year in motor vehicles appeared in the November 1987 SURVEY.)

Profits of food manufacturers increased \$1 billion in 1987 after a somewhat larger increase in 1986. The 1986 increase largely reflected the reclassification of tobacco manufacturers into the food category as a result of major merger and acquisition activity. The 1987 increase, however, was more substantive, reflecting increased production and—to judge from scanty evidence—higher profit margins by food producers.

(Continued on page 23)

CHART 7  
Change in Profits Before Tax With  
IVA, by Industry, 1986 and 1987



## National Income and Product Accounts Tables

### Selected NIPA Tables

New estimates in this issue: First quarter 1988, preliminary (<sup>p</sup>); for corporate profits and related items, fourth quarter and annual 1987, revised (<sup>r</sup>).

The selected set of 52 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 130 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 January 1988 SURVEY.

The full set of estimates for 1984-86 is in the July 1987 issue of the SURVEY; 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 \$240 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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product.....	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9
Personal consumption expenditures.....	2,799.8	2,967.8	2,858.6	2,893.8	2,948.7	3,011.3	3,022.6	3,068.7
Durable goods.....	402.4	413.7	419.8	396.1	409.0	436.8	413.0	425.7
Non durable goods.....	939.4	982.9	946.3	969.9	982.1	986.4	993.1	993.9
Services.....	1,458.0	1,571.2	1,492.4	1,527.7	1,552.6	1,588.1	1,616.5	1,649.0
Gross private domestic investment.....	671.0	717.5	660.2	699.9	702.6	707.4	760.2	761.9
Fixed investment.....	655.2	671.5	666.6	648.2	662.3	684.5	690.8	704.9
Nonresidential.....	436.9	443.4	439.7	422.8	434.6	456.6	459.6	477.2
Structures.....	137.4	184.2	128.9	129.7	137.1	141.1	140.4	
Producers' durable equipment.....	299.5	309.2	306.7	294.1	304.9	319.5	318.5	336.8
Residential.....	218.3	228.1	226.9	225.4	227.7	227.9	231.2	227.8
Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0
Nonfarm.....	16.8	36.2	5.1	48.7	27.3	11.1	57.5	37.7
Farm.....	-1.1	9.9	-11.6	2.9	13.0	11.7	12.0	19.3
Net exports of goods and services.....	-105.5	-119.6	-116.9	-112.2	-118.4	-123.7	-124.3	-115.4
Exports.....	376.2	427.8	388.3	397.3	416.5	439.2	458.1	470.6
Imports.....	481.7	547.4	500.2	509.5	534.8	562.9	582.4	586.0
Government purchases of goods and services.....	869.7	922.8	886.3	896.2	917.1	929.0	948.8	945.6
Federal.....	366.2	379.4	368.6	366.9	379.6	382.1	388.9	376.8
National defense.....	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Nondefense.....	88.4	84.2	89.6	79.4	85.1	83.0	89.2	79.1
State and local.....	503.5	543.4	517.7	529.3	537.6	546.9	559.9	568.9

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product.....	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9
Final sales.....	4,219.3	4,442.5	4,294.6	4,326.0	4,404.8	4,501.1	4,537.9	4,603.9
Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0
Goods.....	1,693.8	1,782.2	1,698.9	1,738.7	1,763.5	1,798.3	1,828.4	1,844.7
Final sales.....	1,678.0	1,736.2	1,705.3	1,687.1	1,723.2	1,775.4	1,758.9	1,787.7
Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0
Durable goods.....	726.8	773.3	737.3	747.0	756.7	785.7	808.8	818.1
Final sales.....	721.9	748.0	741.8	711.9	734.6	787.6	757.7	794.7
Change in business inventories.....	4.8	25.3	-4.5	35.2	22.1	-1.9	46.0	23.4
Non durable goods.....	967.0	1,008.9	961.6	991.7	1,006.8	1,012.6	1,024.6	1,026.6
Final sales.....	956.1	988.2	963.5	975.2	988.6	987.8	1,001.2	993.1
Change in business inventories.....	10.9	20.7	-1.9	16.5	18.2	24.8	23.4	33.6
Services.....	2,116.2	2,271.3	2,160.0	2,212.0	2,252.2	2,289.3	2,331.5	2,375.9
Structures.....	425.1	435.0	429.3	426.9	429.4	436.4	447.5	440.2

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product.....	3,713.3	3,821.0	3,731.5	3,772.2	3,795.3	3,835.9	3,880.8	3,902.6
Personal consumption expenditures.....	2,450.5	2,497.2	2,480.5	2,475.9	2,487.5	2,520.7	2,504.6	2,528.2
Durable goods.....	383.5	388.2	390.0	375.9	385.4	406.9	384.5	396.2
Non durable goods.....	877.2	878.1	880.3	883.2	879.0	875.7	874.6	874.2
Services.....	1,189.8	1,230.9	1,201.1	1,216.9	1,223.1	1,238.1	1,245.6	1,257.7
Gross private domestic investment.....	654.0	687.6	631.0	671.8	673.7	681.9	723.1	738.4
Fixed investment.....	640.2	644.7	645.4	624.2	634.7	657.3	662.6	680.5
Nonresidential.....	443.8	448.3	442.9	426.0	437.9	463.8	465.6	488.3
Structures.....	130.3	124.5	124.6	120.4	120.4	127.2	129.8	128.1
Producers' durable equipment.....	813.5	823.9	818.6	805.6	817.5	836.6	835.8	860.3
Residential.....	196.4	196.4	202.2	198.2	196.8	193.5	197.0	192.2
Change in business inventories.....	13.8	42.9	-14.4	47.6	39.0	24.6	60.5	57.9
Nonfarm.....	15.4	32.5	2.3	43.9	22.7	12.1	51.5	38.3
Farm.....	-1.6	10.4	-16.6	3.7	16.3	12.5	9.0	19.6
Net exports of goods and services.....	-145.8	-135.5	-151.8	-135.2	-132.7	-138.4	-135.8	-132.2
Exports.....	377.4	425.8	388.3	397.8	414.5	437.1	453.5	464.6
Imports.....	523.2	561.3	540.1	538.0	547.2	575.6	589.3	596.8
Government purchases of goods and services.....	754.5	771.7	771.8	759.6	766.7	771.7	788.9	768.3
Federal.....	332.5	336.0	344.6	327.3	332.6	336.3	347.6	325.3
National defense.....	250.7	264.2	252.7	257.4	263.5	268.3	267.7	261.8
Nondefense.....	81.8	71.7	91.9	69.9	69.1	67.9	80.0	63.5
State and local.....	422.1	435.8	427.1	432.3	434.1	435.4	441.3	442.9

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product.....	3,713.3	3,821.0	3,731.5	3,772.2	3,795.3	3,835.9	3,880.8	3,902.6
Final sales.....	3,699.5	3,778.1	3,745.8	3,724.5	3,756.3	3,811.4	3,820.3	3,844.7
Change in business inventories.....	13.8	42.9	-14.4	47.6	39.0	24.6	60.5	57.9
Goods.....	1,595.0	1,655.2	1,602.6	1,626.0	1,638.2	1,666.8	1,689.7	1,708.9
Final sales.....	1,581.3	1,612.3	1,616.9	1,578.4	1,599.2	1,642.2	1,629.2	1,651.0
Change in business inventories.....	13.8	42.9	-14.4	47.6	39.0	24.6	60.5	57.9
Durable goods.....	716.9	770.5	731.2	739.2	753.2	786.4	803.3	826.8
Final sales.....	712.6	747.5	735.5	707.8	734.3	787.3	761.4	804.7
Change in business inventories.....	4.3	28.1	-4.3	31.4	19.9	-1.0	41.9	22.1
Non durable goods.....	878.1	884.7	871.4	886.8	885.0	880.4	886.4	882.1
Final sales.....	868.6	864.8	881.4	870.6	865.9	854.9	867.8	846.3
Change in business inventories.....	9.5	19.9	-10.0	16.2	19.1	25.5	18.6	35.8
Services.....	1,730.8	1,782.1	1,741.3	1,764.0	1,777.4	1,787.1	1,800.0	

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9	
Less: Exports of goods and services.....	376.2	427.8	388.3	397.3	416.5	439.2	458.1	470.6	
Plus: Imports of goods and services.....	481.7	547.4	500.2	509.5	534.8	562.9	582.4	586.0	
Equals: Gross domestic purchases <sup>1</sup> .....	4,340.5	4,608.2	4,405.1	4,489.8	4,563.4	4,647.7	4,731.7	4,776.3	
Less: Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0	
Equals: Final sales to domestic purchasers <sup>2</sup> .....	4,324.8	4,562.1	4,411.5	4,438.2	4,523.2	4,624.8	4,662.2	4,719.3	

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 1.7.—Gross National Product by Sector**

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9	
Gross domestic product.....	4,201.3	4,461.2	4,260.6	4,346.9	4,417.3	4,500.6	4,579.8	4,635.2	
Business.....	3,605.2	3,823.8	3,650.8	3,725.2	3,785.0	3,858.5	3,926.6	3,966.1	
Nonfarm.....	3,538.3	3,746.7	3,586.6	3,650.4	3,704.1	3,785.5	3,846.7	3,885.8	
Nonfarm less housing.....	3,186.3	3,372.2	3,223.5	3,286.5	3,338.8	3,408.1	3,460.3	3,492.4	
Housing.....	347.4	374.5	358.1	363.9	370.3	377.4	386.4	393.3	
Farm.....	76.4	81.7	75.7	76.9	84.1	83.9	82.0	82.4	
Statistical discrepancy.....	-4.9	-4.6	-11.6	-2.2	-3.1	-10.9	-2.1	-2.1	
Households and institutions.....	152.2	164.2	155.4	158.9	162.2	165.9	169.7	174.9	
Private households.....	9.3	9.9	9.6	9.7	9.9	10.0	10.1	10.2	
Nonprofit institutions.....	142.8	154.2	145.8	149.2	152.3	155.9	159.6	164.7	
Government.....	443.9	473.2	454.5	462.9	470.0	476.2	483.5	494.2	
Federal.....	143.9	150.4	144.7	148.3	150.2	150.6	151.9	155.8	
State and local.....	299.9	322.8	309.8	314.1	319.8	325.6	331.6	338.3	
Rest of the world.....	33.7	27.4	27.5	30.7	27.8	23.4	27.5	25.7	
Addendum:									
Gross domestic business product less housing.....	3,249.8								

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

**Table 1.8.—Gross National Product by Sector in Constant Dollars**

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	3,713.3	3,821.0	3,731.5	3,772.2	3,795.3	3,835.9	3,880.8	3,902.6	
Gross domestic product.....	3,683.5	3,797.6	3,707.3	3,745.6	3,771.4	3,815.9	3,857.5	3,881.0	
Business.....	3,197.9	3,308.4	3,218.5	3,254.7	3,278.4	3,320.3	3,360.3	3,381.6	
Nonfarm.....	3,117.5	3,222.1	3,142.5	3,171.4	3,196.2	3,243.7	3,277.0	3,298.9	
Nonfarm less housing.....	2,841.9	2,938.4	2,863.7	2,890.7	2,918.5	2,959.1	2,990.5	3,010.4	
Housing.....	275.5	283.7	278.8	280.7	282.7	284.7	286.5	288.5	
Farm.....	84.7	85.3	86.3	85.2	84.9	86.0	85.0	84.4	
Statistical discrepancy.....	-4.3	-3.9	-10.2	-1.9	-2.7	-9.4	-1.8	-1.8	
Households and institutions.....	125.9	130.9	127.2	128.9	130.0	131.9	132.8	134.4	
Private households.....	9.0	9.5	9.2	9.3	9.5	9.6	9.7	9.8	
Nonprofit institutions.....	116.9	121.4	118.0	119.5	120.6	122.3	123.1	124.6	
Government.....	359.7	363.8	361.6	362.0	368.0	363.7	364.5	365.1	
Federal.....	122.6	122.9	123.0	122.7	122.8	122.9	123.0	123.0	
State and local.....	237.1	240.4	238.6	239.3	240.2	240.8	241.5	242.1	
Rest of the world.....	29.8	23.4	24.2	26.6	23.9	20.0	23.3	21.6	
Addendum:									
Gross domestic business product less housing.....	2,913.1								

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]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	3,713.3	3,821.0	3,731.5	3,772.2	3,795.3	3,835.9	3,880.8	3,902.6	
Less: Exports of goods and services.....	376.2	427.8	388.3	397.3	416.5	439.2	458.1	470.6	
Plus: Imports of goods and services.....	481.7	547.4	500.2	509.5	534.8	562.9	582.4	586.0	
Equals: Gross domestic purchases <sup>1</sup> .....	3,840.5	4,608.2	4,405.1	4,489.8	4,563.4	4,647.7	4,731.7	4,776.3	
Less: Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0	
Equals: Final sales to domestic purchasers <sup>2</sup> .....	3,824.8	4,562.1	4,411.5	4,438.2	4,523.2	4,624.8	4,662.2	4,719.3	

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9	
Less: Capital consumption allowances with capital consumption adjustment.....	456.7	479.1	465.9	469.7	476.6	483.0	486.9	492.9	
Capital consumption allowances without capital consumption adjustment.....	477.7	506.1	484.3	496.6	502.8	509.1	516.1	519.1	
Less: Capital consumption adjustment.....	21.0	27.1	18.4	26.8	26.2	26.1	29.2	26.2	
Equals: Net national product.....	3,778.4	4,009.4	3,822.3	3,907.9	3,968.5	4,040.9	4,120.5	4,168.0	
Less: Indirect business tax and nontax liability.....	347.7	367.8	351.9	358.3	365.2	371.8	375.9	381.3	
Business transfer payments.....	22.3	23.2	22.6	22.8	23.1	23.3	23.6	23.8	
Statistical discrepancy.....	-4.9	-4.6	-11.6	-2.2	-3.1	-10.9	-2.1	-2.1	
Plus: Subsidies less current surplus of government enterprises.....	8.7	13.0	11.6	19.3	9.9	2.3	20.4	9.5	
Equals: National income.....	3,422.0	3,636.0	3,471.0	3,548.3	3,593.3	3,659.0	3,743.5		
Less: Corporate profits with inventory valuation and capital consumption adjustments.....	284.4	304.7	281.1	294.0	296.8	314.9	313.0		
Net interest.....	326.1	337.1	321.7	323.6	331.1	340.6	353.3	356.2	
Contributions for social insurance.....	374.3	394.5	381.0	386.7	390.9	396.6	403.7	430.0	
Wage accruals less disbursements.....	0	0	0	0	0	.3	-.3	0	
Plus: Government transfer payments to persons.....	496.0	519.9	504.1	510.9	518.4	522.5	527.8	545.2	
Personal interest income.....	497.6	516.2	496.8	499.8	506.3	520.0	538.8	545.8	
Personal dividend income.....	81.2	87.5	82.9	84.5	86.3	88.7	90.5	92.1	
Business transfer payments.....	22.3	23.2	22.6	22.8	23.1	23.3	23.6	23.8	
Equals: Personal income.....	3,534.3	3,746.5	3,593.6	3,662.0	3,708				

Table 1.11 is on the next page.

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
National income .....	3,422.0	3,636.0	3,471.0	3,548.3	3,593.3	3,659.0	3,743.5	.....
Compensation of employees .....	2,504.9	2,647.6	2,552.0	2,589.9	2,623.4	2,663.5	2,713.5	2,762.4
Wages and salaries .....	2,089.1	2,212.7	2,128.5	2,163.3	2,191.4	2,226.5	2,269.9	2,306.5
Government and government enterprises .....	394.8	421.4	403.8	412.2	418.1	424.5	430.9	439.1
Other .....	1,694.3	1,791.3	1,724.7	1,751.1	1,773.3	1,801.9	1,839.0	1,867.4
Supplements to wages and salaries .....	415.8	434.8	423.5	426.6	432.0	437.0	443.6	455.9
Employer contributions for social insurance .....	214.7	224.6	219.1	220.0	222.5	225.9	230.1	240.5
Other labor income .....	201.1	210.2	204.4	206.7	209.5	211.1	213.5	215.4
Proprietors' income with inventory valuation and capital consumption adjustments .....	289.8	327.4	297.8	320.9	323.1	322.7	342.7	336.7
Farm .....	37.2	48.4	36.6	51.3	47.3	40.6	54.3	44.1
Proprietors' income with inventory valuation adjustment .....	45.4	56.0	44.5	59.0	55.0	48.3	61.7	51.4
Capital consumption adjustment .....	-8.1	-7.6	-7.9	-7.7	-7.7	-7.7	-7.4	-7.3
Nonfarm .....	252.6	279.0	261.2	269.7	275.8	282.1	288.4	292.6
Proprietors' income .....	217.7	238.9	223.9	232.4	236.5	240.6	246.2	249.3
Inventory valuation adjustment .....	-2	-1.5	.4	-1.8	-1.5	-9	-1.6	-1.0
Capital consumption adjustment .....	35.1	41.6	36.9	39.1	40.9	42.4	43.8	44.2
Rental income of persons with capital consumption adjustment .....	16.7	19.3	18.4	20.0	18.9	17.3	20.9	21.1
Rental income of persons .....	62.2	67.6	64.6	66.2	67.2	66.9	70.0	70.9
Capital consumption adjustment .....	-45.5	-48.3	-46.2	-46.3	-48.3	-49.6	-49.1	-49.8
Corporate profits with inventory valuation and capital consumption adjustments .....	284.4	304.7	281.1	294.0	296.8	314.9	313.0	.....
Corporate profits with inventory valuation adjustment .....	238.4	256.5	239.0	245.7	248.8	267.3	264.3	.....
Profits before tax .....	231.9	274.1	247.9	257.0	268.7	284.9	285.6	.....
Profits tax liability .....	105.0	136.3	113.9	128.0	134.2	143.0	140.0	.....
Profits after tax .....	126.8	137.8	134.0	129.0	134.5	141.9	145.6	.....
Dividends .....	86.8	93.8	88.6	90.3	92.4	95.2	97.3	99.3
Undistributed profits .....	40.0	43.9	45.4	38.7	42.1	46.7	48.3	.....
Inventory valuation adjustment .....	6.5	-17.5	-8.9	-11.3	-20.0	-17.6	-21.3	-15.9
Capital consumption adjustment .....	46.0	48.2	42.1	48.2	48.0	47.7	48.7	45.9
Net interest .....	326.1	337.1	321.7	323.6	331.1	340.6	353.3	356.2
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments .....	179.4	168.4	167.1	165.9	162.6	172.0	173.0	.....
Net cash flow with inventory valuation and capital consumption adjustments .....	375.4	370.8	367.9	367.3	364.6	374.6	376.6	.....
Undistributed profits with inventory valuation and capital consumption adjustments .....	92.6	74.6	78.5	75.6	70.1	76.8	75.7	.....
Capital consumption allowances with capital consumption adjustment .....	282.8	296.2	289.3	291.8	294.5	297.8	300.9	304.4
Less: Inventory valuation adjustment .....	6.5	-17.5	-8.9	-11.3	-20.0	-17.6	-21.3	-15.9
Equals: Net cash flow .....	368.9	388.3	376.7	378.7	384.6	392.2	397.9	.....

**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**

	1986	1987	Seasonally adjusted at annual rates							
			1986		1987		1988			
			IV	I	II	III	IV	I <sup>p</sup>		
Billions of dollars										

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product.....	3,713.3	3,821.0	3,731.5	3,772.2	3,795.3	3,835.9	3,880.8	3,902.6
Less: Net exports of goods and services.....	-145.8	-135.5	-151.8	-135.2	-132.7	-138.4	-135.8	-132.2
Exports.....	377.4	425.8	388.3	397.8	414.5	437.1	453.5	464.6
Imports.....	523.2	561.3	540.1	533.0	547.2	575.6	589.3	596.8
Equals: Gross domestic purchases.....	3,859.1	3,956.6	3,883.3	3,907.4	3,927.9	3,974.4	4,016.6	4,034.9
Plus: Command-basis net exports of goods and services.....	-114.6	-122.7	-126.3	-117.4	-121.1	-126.5	-125.8	-117.5
Command-basis exports <sup>1</sup> .....	408.6	438.6	413.9	415.6	426.1	449.1	463.5	479.3
Imports.....	523.2	561.3	540.1	533.0	547.2	575.6	589.3	596.8
Equals: Command-basis gross national product.....	3,744.4	3,833.9	3,757.0	3,790.0	3,806.8	3,847.9	3,890.8	3,917.4
Addendum:								
Terms of trade <sup>2</sup> .....	108.3	103.1	106.6	104.5	102.9	102.8	102.2	103.2

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 1.19.—Truck Output**

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Truck output <sup>1</sup> .....	58.4	63.3	58.3	61.4	61.3	63.5	66.9	67.9
Final sales.....	58.3	61.7	58.0	55.7	61.5	66.3	63.5	66.6
Personal consumption expenditures.....	27.6	29.3	26.9	27.0	29.9	31.7	28.6	30.5
Producers' durable equipment.....	32.4	34.7	31.4	32.1	34.9	36.3	35.5	36.7
Net exports of goods and services.....	-7.4	-7.0	-5.9	-8.0	-7.8	-6.5	-5.8	-5.8
Exports.....	3.0	3.5	3.2	3.0	3.2	3.3	4.4	3.9
Imports.....	10.3	10.5	9.1	11.0	11.0	9.9	10.3	9.7
Government purchases of goods and services.....	5.7	4.8	5.7	4.6	4.5	4.8	5.2	5.2
Change in business inventories....	.1	1.5	.3	5.7	-.1	-2.8	3.4	1.2

1. Includes new trucks only.

**Table 1.20.—Truck Output in Constant Dollars**

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Truck output <sup>1</sup> .....	50.5	53.7	49.6	52.4	52.4	53.7	56.4	57.3
Final sales.....	50.4	52.5	49.4	47.6	52.5	56.1	53.6	56.2
Personal consumption expenditures.....	23.8	24.9	23.0	23.0	25.5	27.0	24.1	25.7
Producers' durable equipment.....	28.0	29.5	26.7	27.5	29.9	30.6	30.0	31.0
Net exports of goods and services.....	-6.4	-6.0	-5.1	-6.8	-6.6	-5.5	-4.9	-4.9
Exports.....	2.6	3.0	2.7	2.6	2.7	2.8	3.8	3.3
Imports.....	8.9	8.9	7.7	9.4	9.4	8.8	8.7	8.2
Government purchases of goods and services.....	4.9	4.1	4.8	3.9	3.8	4.1	4.4	4.4
Change in business inventories....	.1	1.3	.2	4.8	-.1	-2.3	2.8	1.1

1. Includes new trucks only.

**Table 1.17.—Auto Output**

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Auto output.....	119.4	111.9	124.6	114.9	109.7	107.1	116.1	108.8
Final sales.....	118.5	108.0	121.0	95.6	104.8	124.9	106.5	120.0
Personal consumption expenditures.....	135.3	130.2	141.3	117.5	125.1	148.3	129.8	135.9
New autos.....	101.5	98.7	105.3	88.8	89.3	109.3	92.5	99.5
Net purchases of used autos.....	33.8	36.5	36.0	33.7	35.8	39.0	37.3	36.4
Producers' durable equipment.....	20.7	17.5	21.0	15.8	17.6	18.5	17.9	20.5
New autos.....	45.8	44.6	45.5	40.6	44.5	47.7	45.8	47.0
Net purchases of used autos.....	-25.1	-27.2	-24.5	-24.7	-26.8	-29.2	-27.8	-26.5
Net exports of goods and services.....	-38.9	-41.1	-42.6	-39.2	-39.5	-43.1	-42.7	-37.9
Exports.....	6.3	6.9	6.1	5.8	7.2	6.3	8.2	7.7
Imports.....	45.2	48.0	48.7	45.0	46.6	49.4	50.9	45.6
Government purchases of goods and services.....	1.4	1.4	1.4	1.4	1.6	1.3	1.5	1.5
Change in business inventories of new and used autos.....	.9	4.0	3.6	19.3	4.9	-17.9	9.7	-11.2
New.....	.7	3.8	6.0	20.0	4.4	-18.2	8.8	-10.2
Used.....	.2	.2	-2.4	-.7	.5	.3	.8	-.8
Addenda:								
Domestic output of new autos <sup>1</sup> .....	98.2	93.8	101.1	99.3	98.4	85.1	97.2	86.0
Sales of imported new autos <sup>2</sup> ....	55.8	53.5	62.3	46.7	50.0	59.5	57.7	57.2

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Auto output.....	106.4	98.3	109.6	102.3	97.0	93.5	100.6	94.0
Final sales.....	107.3	95.4	107.8	85.9	93.4	109.4	92.8	104.4
Personal consumption expenditures.....	119.1	110.1	122.6	101.7	106.2	124.5	108.0	113.8
New autos.....	89.3	79.7	90.6	72.0	76.3	92.6	77.8	83.9
Net purchases of used autos.....	29.8	30.4	32.0	29.7	29.9	31.9	30.2	29.9
Producers' durable equipment.....	18.5	14.9	17.3	18.0	15.2	16.0	15.4	17.8
New autos.....	40.3	37.9	39.1	34.9	38.0	40.4	38.5	39.6
Net purchases of used autos.....	-21.8	-23.0	-21.8	-22.8	-24.4	-23.1	-21.8	-21.8
Net exports of goods and services.....	-31.6	-30.9	-33.3	-30.0	-29.5	-32.2	-31.9	-28.4
Exports.....	5.4	5.7	5.1	4.9	5.9	5.2	6.7	6.3
Imports.....	37.1	36.6	38.4	34.9	35.4	37.4	38.6	34.8
Government purchases of goods and services.....	1.3	1.3	1.2	1.2	1.4	1.1	1.3	1.3
Change in business inventories of new and used autos.....	-.9	3.0	1.8	16.3	3.6	-15.9	7.8	-10.5
New.....	-1.1	2.8	4.0	17.0	3.2	-16.2	7.1	-9.7
Used.....	.2	.2	-2.1	-.7	.5	.2	.7	-.8
Addenda:								
Domestic output of new autos <sup>1</sup> .....	85.3	79.6	86.3	85.8	79.7	71.4	81.7	72.0
Sales of imported new autos <sup>2</sup> ....	49.1	45.4	53.7	40.1	42.7	50.3	48.5	48.2

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 2.1.—Personal Income and Its Disposition

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
Personal income.....	3,534.3	3,746.5	3,593.6	3,662.0	3,708.6	3,761.0	3,854.4	3,897.2
Wage and salary disbursements.....	2,089.1	2,212.7	2,128.5	2,163.3	2,191.4	2,226.1	2,270.2	2,306.5
Commodity-producing industries.....	623.3	641.1	628.4	632.9	635.0	641.8	654.7	661.6
Manufacturing.....	470.5	484.0	474.5	477.2	479.0	485.1	494.7	499.8
Distributive industries.....	497.1	522.9	504.7	511.5	518.9	526.3	535.0	542.9
Service industries.....	573.9	627.3	591.6	606.7	619.3	633.9	649.3	662.9
Government and government enterprises.....	394.8	421.4	403.8	412.2	418.1	424.2	431.2	439.1
Other labor income.....	201.1	210.2	204.4	206.7	209.5	211.1	213.5	215.4
Proprietors' income with inventory valuation and capital consumption adjustments.....	289.8	327.4	297.8	320.9	323.1	322.7	342.7	336.7
Farm.....	37.2	48.4	36.6	51.3	47.3	40.6	54.3	44.1
Nonfarm.....	252.6	279.0	261.2	269.7	275.8	282.1	288.4	292.6
Rental income of persons with capital consumption adjustment.....	16.7	19.3	18.4	20.0	18.9	17.3	20.9	21.1
Personal dividend income.....	81.2	87.5	82.9	84.5	86.3	88.7	90.5	92.1
Personal interest income.....	497.6	516.2	496.8	499.8	506.3	520.0	538.8	545.8
Transfer payments.....	518.3	543.1	526.6	533.7	541.5	545.8	551.4	569.0
Old-age, survivors, disability, and health insurance benefits.....	269.2	282.8	273.5	278.0	282.3	284.4	286.5	297.8
Government unemployment insurance benefits.....	16.4	14.6	16.6	15.6	14.9	14.5	18.2	18.4
Veterans benefits.....	16.8	16.6	16.4	16.6	16.7	16.6	16.4	16.4
Government employees retirement benefits.....	71.0	76.2	72.4	73.9	76.0	77.3	77.6	80.8
Other transfer payments.....	145.0	152.9	147.7	149.6	151.5	153.0	157.6	160.7
Aid to families with dependent children.....	16.2	16.7	16.4	16.5	16.7	16.8	16.8	16.6
Other.....	128.7	136.2	131.3	133.1	134.7	136.3	140.8	144.1
Less: Personal contributions for social insurance.....	159.6	169.9	161.8	166.7	168.4	170.7	173.6	189.4
Less: Personal tax and nontax payments.....	512.2	564.8	532.0	536.1	578.0	565.7	579.4	577.0
Equals: Disposable personal income.....	3,022.1	3,181.7	3,061.6	3,125.9	3,130.6	3,195.3	3,275.0	3,320.2
Less: Personal outlays.....	2,891.5	3,062.7	2,952.6	2,987.5	3,037.4	3,106.5	3,119.3	3,167.1
Personal consumption expenditures.....	2,799.8	2,967.8	2,858.6	2,893.8	2,943.7	3,011.3	3,022.6	3,068.7
Interest paid by consumers to business.....	89.9	98.5	92.1	92.1	92.6	93.9	95.4	97.0
Personal transfer payments to foreigners (net).....	1.7	1.4	1.9	1.7	1.2	1.2	1.3	1.4
Equals: Personal saving.....	130.6	119.0	109.0	138.4	93.2	88.8	155.7	153.1
Addenda:								
Disposable personal income:								
Total, billions of 1982 dollars.....	2,645.1	2,677.2	2,656.7	2,674.6	2,645.5	2,674.7	2,713.8	2,785.4
Per capita:								
Current dollars.....	12,508	13,050	12,626	12,865	12,358	13,090	13,384	13,536
1982 dollars.....	10,947	10,980	10,956	11,008	10,865	10,958	11,090	11,151
Population (mid-period, millions).....	241.6	243.8	242.5	243.0	243.5	244.1	244.7	245.3
Personal saving as percentage of disposable personal income.....	4.3	3.7	3.6	4.4	3.0	2.8	4.8	4.6

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

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
Personal consumption expenditures.....	2,799.8	2,967.8	2,858.6	2,893.8	2,943.7	3,011.3	3,022.6	3,068.7
Durable goods.....	402.4	413.7	419.8	396.1	409.0	436.8	413.0	425.7
Motor vehicles and parts.....	194.9	193.9	201.2	177.6	189.6	215.2	193.3	201.4
Furniture and household equipment.....	139.9	146.7	143.8	146.0	146.0	147.9	146.8	151.1
Other.....	67.6	73.1	74.8	72.5	73.5	73.7	72.9	73.3
Nondurable goods.....	939.4	982.9	946.3	969.9	982.1	986.4	993.1	993.9
Food.....	497.8	515.8	507.5	514.8	515.0	519.3	520.7	520.7
Clothing and shoes.....	167.5	177.0	169.6	174.0	175.8	178.7	179.6	177.2
Gasoline and oil.....	75.3	80.3	68.4	75.8	80.6	82.7	82.1	81.0
Other nondurable goods.....	198.8	209.7	200.8	205.3	210.7	211.0	212.0	215.0
Fuel oil and coal.....	16.0	15.8	15.1	15.4	16.1	15.6	16.2	16.6
Other.....	182.8	193.9	185.7	189.8	194.6	195.5	195.8	198.3
Services.....	1,458.0	1,571.2	1,492.4	1,527.7	1,552.6	1,588.1	1,616.5	1,649.0
Housing.....	436.9	469.3	449.0	456.3	464.1	472.9	483.7	492.4
Household operation.....	178.6	182.1	179.8	176.6	179.6	186.2	186.0	189.2
Electricity and gas.....	87.6	87.4	87.5	84.8	85.8	90.0	88.9	90.5
Other.....	91.0	94.7	92.3	91.8	93.8	96.3	97.1	98.7
Transportation.....	95.1	105.3	97.6	102.1	108.7	106.3	109.1	111.8
Medical care.....	319.8	351.0	330.1	338.5	346.8	355.4	363.3	372.0
Other.....	427.7	463.6	435.8	454.3	458.5	467.2	474.5	483.7

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
Personal consumption expenditures.....	2,450.5	2,497.2	2,480.5	2,475.9	2,487.5	2,520.7	2,504.6	2,528.2
Durable goods.....	383.5	388.2	399.0	375.9	385.4	406.9	384.5	396.2
Motor vehicles and parts.....	175.7	169.5	179.1	158.1	166.4	186.6	166.8	173.9
Furniture and household equipment.....	144.7	152.8	150.7	151.5	152.5	154.1	153.3	158.3
Other.....	63.1	65.9	69.3	66.4	66.5	66.2	64.4	64.0
Nondurable goods.....	877.2	878.1	880.3	883.2	879.0	875.7	874.6	874.2
Food.....	444.9	441.2	444.0	447.5	441.6	487.1	488.6	439.0
Clothing and shoes.....	158.0	159.5	158.4	160.4	157.8	161.7	158.6	156.7
Gasoline and oil.....	100.3	101.1	102.5	99.8	102.1	100.9	101.5	102.2
Other nondurable goods.....	174.1	176.4	175.4	175.5	178.1	176.1	175.9	176.3
Fuel oil and coal.....	21.5	21.1	22.3	21.0	21.4	20.4	21.5	21.7
Other.....	152.6	155.3	158.1	154.5	156.6	155.6	154.4	154.5
Services.....	1,189.8	1,230.9	1,201.1	1,216.9	1,223.1	1,238.1	1,245.6	1,257.7
Housing.....	350.0	358.8	353.1	355.3	357.7	360.0	362.2	364.5
Household operation.....	151.3	153.6	152.8	150.0	151.4	156.5	156.6	159.2
Electricity and gas.....	76.8	77.7	78.2	75.8	76.1	79.8	79.3	80.8
Other.....	74.5	75.9	74.6	74.2	75.3	76.7	77.3	78.4
Transportation.....	84.4	88.1	85.5	86.9	87.5	88.6	89.5	90.7
Medical care.....	251.9	263.3	256.3	258.7	262.0	265.2	267.2	269.6
Other.....	352.3	367.1	353.6	366.0	364.5	367.8	370.1	373.7

## SURVEY OF CURRENT BUSINESS

Table 3.2.—Federal Government Receipts and Expenditures

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>P</sup>
Receipts.....	827.4	915.7	852.5	879.3	922.9	923.0	937.6	.....
Personal tax and nontax receipts.....	363.0	403.7	376.4	381.5	415.6	404.3	413.5	406.5
Income taxes.....	355.2	395.3	368.5	378.6	406.8	395.4	405.6	398.0
Estate and gift taxes.....	7.1	7.4	7.0	7.2	8.0	7.7	6.7	7.1
Nontaxes.....	.7	1.0	.9	.7	.9	1.2	1.3	1.4
Corporate profits tax accruals.....	83.7	109.4	90.5	103.0	107.9	114.5	112.3	.....
Federal Reserve banks.....	17.8	17.0	17.2	16.6	17.1	17.1	17.3	.....
Other.....	65.9	92.4	73.3	86.3	90.8	97.5	95.1	.....
Indirect business tax and nontax accruals.....	50.9	54.1	51.1	53.3	54.2	53.9	54.9	56.3
Excise taxes.....	31.2	32.5	31.3	32.1	32.4	32.5	32.9	33.5
Customs duties.....	13.7	15.4	14.0	15.2	15.7	15.1	15.8	16.5
Nontaxes.....	6.0	6.1	5.8	6.0	6.1	6.2	6.2	6.3
Contributions for social insurance.....	329.8	348.4	334.5	341.5	345.2	350.3	356.8	382.4
Expenditures.....	1,032.0	1,067.1	1,041.2	1,049.8	1,062.1	1,058.8	1,097.8	1,091.9
Purchases of goods and services.....	366.2	379.4	368.6	366.9	379.6	382.1	388.9	376.8
National defense.....	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Nondefense.....	88.4	84.2	89.6	79.4	85.1	83.0	89.2	79.1
Transfer payments.....	399.9	413.5	405.7	406.7	412.0	413.4	421.8	431.7
To persons.....	385.9	401.9	391.0	396.0	401.5	403.7	406.2	421.5
To foreigners.....	14.0	11.6	14.7	10.7	10.5	9.8	15.6	10.2
Grants-in-aid to State and local governments.....	106.9	103.4	102.8	102.2	106.0	103.5	102.0	105.7
Net interest paid.....	135.7	142.8	137.8	139.5	139.8	142.9	148.9	152.6
Interest paid.....	157.8	160.8	157.4	158.2	158.1	161.0	166.0	170.2
To persons and business.....	135.2	136.6	134.4	135.1	133.6	136.7	140.8	144.6
To foreigners.....	22.6	24.3	22.9	23.1	24.5	24.3	25.2	25.6
Less: Interest received by government.....	22.1	18.0	19.6	18.7	18.3	18.1	17.1	17.6
Subsidies less current surplus of government enterprises.....	23.3	28.0	26.3	34.3	24.8	17.2	35.8	25.1
Subsidies.....	25.5	31.3	24.5	38.7	27.5	20.7	38.4	27.0
Less: Current surplus of government enterprises.....	2.2	3.3	-1.8	4.3	2.6	3.5	2.7	1.9
Less: Wage accruals less disbursements.....	0	0	0	0	0	.3	-3	0
Surplus or deficit (-), national income and product accounts.....	-204.7	-151.4	-188.7	-170.5	-139.2	-135.8	-160.2	.....
Social insurance funds.....	15.4	22.7	16.7	20.1	19.8	22.9	28.5	41.2
Other.....	-220.0	-174.1	-205.4	-190.6	-158.6	-158.7	-188.8	.....

Table 3.7B.—Government Purchases of Goods and Services by Type

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>P</sup>
Government purchases of goods and services.....	869.7	922.8	886.3	896.2	917.1	929.0	948.8	945.6
Federal.....	366.2	379.4	368.6	366.9	379.6	382.1	388.9	376.8
National defense.....	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Durable goods.....	83.9	89.9	85.9	88.0	89.2	93.4	89.2	86.4
Nondurable goods.....	11.1	10.6	9.9	9.7	10.5	11.0	11.4	10.7
Services.....	176.2	187.2	176.3	182.5	188.0	186.8	191.5	193.3
Compensation of employees.....	104.3	108.8	105.0	107.7	108.6	108.9	110.0	112.6
Military.....	70.4	73.8	71.0	72.7	73.0	73.4	74.2	75.9
Civilian.....	33.8	35.5	34.0	35.0	35.5	35.6	35.8	36.7
Other services.....	71.9	78.4	71.3	74.8	79.5	77.9	81.5	80.7
Structures.....	6.6	7.4	7.0	7.2	6.8	7.8	7.7	7.3
Nondefense.....	88.4	84.2	89.6	79.4	85.1	83.0	89.2	79.1
Durable goods.....	4.1	4.7	4.0	4.2	4.8	4.6	5.0	5.1
Nondurable goods.....	11.2	2.0	13.1	2.0	1.5	.2	4.1	-7.1
Commodity Credit Corporation inventory change.....	5.8	-4.3	7.3	-3.6	-5.1	-6.1	-2.3	-13.6
Other nondurables.....	5.9	6.2	5.8	5.6	6.6	6.4	6.5	6.5
Services.....	66.3	69.8	66.1	66.3	70.8	70.4	71.7	73.8
Compensation of employees.....	39.6	41.6	39.8	41.0	41.6	41.7	41.9	43.2
Other services.....	26.7	28.2	26.3	25.2	29.1	28.7	29.7	30.5
Structures.....	6.7	7.8	6.5	7.0	8.0	7.8	8.4	7.4
State and local.....	503.5	543.4	517.7	529.3	537.6	546.9	559.9	568.9
Durable goods.....	24.6	27.4	25.7	26.3	27.0	27.8	28.5	29.3
Nondurable goods.....	39.1	43.7	39.5	41.6	43.1	44.6	45.5	45.9
Services.....	378.5	409.0	391.0	397.2	404.8	413.1	421.0	430.4
Compensation of employees.....	299.9	322.8	309.8	314.1	319.8	325.6	331.6	338.3
Other services.....	78.5	86.3	81.2	83.1	85.0	87.5	89.4	92.1
Structures.....	61.4	63.3	61.5	64.1	62.7	61.4	64.9	63.2

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>P</sup>
Receipts.....	618.8	651.1	629.1	632.1	651.3	657.6	663.5	.....
Personal tax and nontax receipts.....	149.3	161.1	155.6	154.6	162.3	161.4	165.9	170.5
Income taxes.....	76.3	82.0	80.5	77.9	84.1	81.6	84.6	87.6
Nontaxes.....	60.3	65.3	62.1	63.4	64.7	66.0	67.3	68.6
Other.....	12.6	13.7	13.0	13.8	13.6	13.8	14.0	14.4
Corporate profits tax accruals.....	21.3	26.9	23.4	25.0	26.4	28.4	27.7	.....
Indirect business tax and nontax accruals.....	296.8	313.7	300.7	305.0	311.0	317.9	320.9	324.9
Sales taxes.....	139.8	149.9	143.8	145.3	148.9	152.8	152.9	154.3
Property taxes.....	114.6	122.6	117.5	119.4	121.5	123.6	125.7	127.9
Other.....	42.4	41.2	39.4	40.3	40.6	41.5	42.3	42.8
Contributions for social insurance.....	44.5	46.1	46.5	45.2	45.7	46.3	47.0	47.6
Federal grants-in-aid.....	106.9	103.4	102.8	102.2	106.0	103.5	102.0	105.7
Expenditures.....	561.9	607.1	578.5	591.1	600.7	611.1	625.6	635.4
Purchases of goods and services.....	503.5	543.4	517.7	529.3	537.6	546.9	559.9	568.9
Compensation of employees.....	299.9	322.8	309.8	314.1	319.8	325.6	331.6	338.3
Other.....	203.6	220.6	207.9	215.1	217.8	221.3	228.3	230.5
Transfer payments to persons.....	110.1	118.0	113.0	114.9	116.9	118.8	121.6	123.7
Net interest paid.....	-31.5	-32.9	-31.9	-32.2	-32.7	-33.1	-33.7	-34.3
Interest paid.....	48.0	53.9	50.0	51.4	52.9	54.7	56.5	58.8
Less: Interest received by government.....	79.5	86.8	81.9	83.7	85.6	87.8	90.1	92.6
Less: Dividends received by government.....	5.6	6.3	5.7	5.9	6.2	6.5	6.8	7.2
Subsidies less current surplus of government enterprises.....	-14.6	-15.1	-14.7	-15.0	-14.9	-15.0	-15.4	-15.6
Subsidies.....	.8	1.0	.9	.9	.9	1.0	1.0	1.1
Less: Current surplus of government enterprises.....	15.4	16.0	15.5	15.9	15.8	15.9	16.4	16.6
Less: Wage accruals less disbursements.....	0	0	0	0	0	0	0	0
Surplus or deficit (-), national income and product accounts.....	56.8	44.0	50.6	41.0	50.6	46.5	37.9	.....
Social insurance funds.....	49.4	51.7	51.3	50.2	51.0	52.1	53.4	55.0
Other.....	7.4	-7.7	-.7	-9.1	-4.4	-5.6	-15.5	.....

Table 3.8B.—Government Purchases of Goods and Services by Type in Constant Dollars

[Billions of 1982 dollars]

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Table 3.9.—National Defense Purchases of Goods and Services

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
National defense purchases.....	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Durable goods.....	83.9	89.9	85.9	88.0	89.2	93.4	89.2	86.4
Military equipment.....	71.6	77.9	73.4	76.4	77.0	80.8	77.4	74.8
Aircraft.....	32.4	33.7	36.0	33.1	31.6	35.5	34.6	33.3
Missiles.....	12.1	13.5	12.1	12.6	14.5	13.6	13.4	12.6
Ships.....	8.7	8.7	8.4	8.5	9.3	8.6	8.5	8.2
Vehicles.....	4.8	4.6	5.1	5.0	4.7	4.0	4.6	4.5
Electronic equipment.....	5.1	5.7	5.4	5.6	5.7	5.9	5.7	5.7
Other.....	8.4	11.7	6.5	11.5	11.2	13.4	10.6	10.5
Other durable goods.....	12.4	12.0	12.4	11.6	12.1	12.5	11.7	11.6
Nondurable goods.....	11.1	10.6	9.9	9.7	10.5	11.0	11.4	10.7
Petroleum products.....	4.3	4.2	3.3	3.4	3.8	4.3	5.3	4.4
Ammunition.....	4.3	4.0	4.1	3.9	4.1	4.3	3.7	3.9
Other nondurable goods.....	2.5	2.5	2.4	2.6	2.5	2.4	2.4	2.4
Services.....	176.2	187.2	176.3	182.5	188.0	186.8	191.5	193.3
Compensation of employees.....	104.3	108.8	105.0	107.7	108.6	108.9	110.0	112.6
Military.....	70.4	73.3	71.0	72.7	73.0	73.4	74.2	75.9
Civilian.....	33.8	35.5	34.0	35.0	35.5	35.6	35.8	36.7
Other services.....	71.9	78.4	71.3	74.8	79.5	77.9	81.5	80.7
Contractual research and development.....	29.3	29.2	29.6	29.3	30.0	28.8	29.2	28.8
Installation support <sup>1</sup> .....	18.6	21.7	18.3	20.3	21.8	22.1	22.6	22.6
Weapons support <sup>2</sup> .....	7.7	9.3	7.8	8.7	9.4	9.2	9.9	9.7
Personnel support <sup>3</sup> .....	9.5	10.3	8.9	9.2	10.3	10.8	10.9	11.0
Transportation of materiel.....	3.3	4.1	3.5	3.7	4.0	4.1	4.5	4.4
Travel of persons.....	3.3	3.7	3.2	3.4	3.7	3.9	3.8	3.6
Other.....	.2	.1	.1	.3	.2	-.7	.7	.6
Structures.....	6.6	7.4	7.0	7.2	6.8	7.8	7.7	7.3
Military facilities.....	4.2	4.9	4.3	4.4	4.5	5.2	5.3	4.9
Other.....	2.5	2.5	2.6	2.8	2.3	2.6	2.4	2.4

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Receipts from foreigners.....	376.2	427.8	383.3	397.3	416.5	439.2	458.1	470.6
Exports of goods and services.....	376.2	427.8	383.3	397.3	416.5	439.2	458.1	470.6
Merchandise.....	224.9	231.7	235.6	247.4	267.2	280.3	292.4	
Durable goods.....	139.7	159.5	144.0	146.6	150.9	164.0	176.4	182.8
Nondurable goods.....	85.1	98.2	87.6	89.0	96.5	103.2	103.9	109.6
Services.....	151.3	170.1	151.6	161.7	169.0	171.9	177.8	178.2
Factor income <sup>1</sup> .....	86.1	94.6	82.3	87.9	92.6	94.2	103.7	101.3
Other.....	65.2	75.5	69.3	73.8	76.4	77.7	74.1	76.9
Capital grants received by the United States (net).....	0	0	0	0	0	0	0	0
Payments to foreigners.....	376.2	427.8	383.3	397.3	416.5	439.2	458.1	470.6
Imports of goods and services.....	481.7	547.4	500.2	509.5	534.8	562.9	582.4	586.0
Merchandise.....	367.5	411.3	382.8	386.1	401.8	421.7	435.4	437.2
Durable goods.....	237.7	262.1	249.8	249.1	256.8	264.1	278.6	277.3
Nondurable goods.....	129.8	149.1	132.9	137.0	145.0	157.7	156.8	159.9
Services.....	114.2	136.1	117.5	123.4	133.0	141.1	147.0	148.8
Factor income <sup>1</sup> .....	52.3	67.2	54.8	57.2	64.8	70.8	76.1	75.7
Other.....	61.8	68.9	62.7	66.2	68.2	70.3	70.9	73.1
Transfer payments (net).....	15.7	13.0	16.6	12.4	11.6	11.0	16.9	11.6
From persons (net).....	1.7	1.4	1.9	1.7	1.2	1.2	1.3	1.4
From government (net).....	14.0	11.6	14.7	10.7	10.5	9.8	15.6	10.2
Interest paid by government to foreigners.....	22.6	24.3	22.9	23.1	24.5	24.3	25.2	25.6
Net foreign investment.....	-143.9	-156.9	-156.5	-147.7	-154.5	-159.0	-166.4	-152.6

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

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
National defense purchases.....	250.7	264.2	252.7	257.4	263.5	268.3	267.7	261.8
Durable goods.....	77.9	87.7	80.3	83.7	86.4	92.3	88.7	85.7
Military equipment.....	63.8	72.8	66.2	69.4	71.3	76.6	73.9	70.9
Aircraft.....	26.8	30.6	30.9	28.4	28.1	33.1	32.8	31.4
Missiles.....	11.3	12.9	11.5	11.4	13.7	13.1	12.2	12.3
Ships.....	7.6	7.6	7.3	7.4	8.1	7.4	7.4	7.1
Vehicles.....	5.2	4.9	5.3	5.1	4.3	5.0	4.7	4.7
Electronic equipment.....	4.8	5.3	5.1	5.3	5.5	5.3	5.3	5.3
Other.....	8.2	11.5	6.1	11.6	10.9	13.2	10.3	10.1
Other durable goods.....	14.0	15.0	14.1	14.3	15.0	15.7	14.8	14.8
Nondurable goods.....	15.1	14.5	15.3	14.0	14.5	14.5	15.2	13.8
Petroleum products.....	8.5	8.4	8.9	8.0	8.1	8.2	9.6	8.1
Ammunition.....	4.3	3.8	4.0	3.8	4.0	4.1	3.5	3.5
Other nondurable goods.....	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2
Services.....	152.0	155.8	151.3	153.6	157.0	155.2	157.5	156.6
Compensation of employees.....	88.8	89.1	89.0	89.0	89.1	89.2	89.1	89.1
Military.....	59.9	60.2	60.3	60.3	60.1	60.2	60.3	60.2
Civilian.....	28.9	28.9	28.8	28.8	28.9	28.9	28.8	28.8
Other services.....	63.2	66.8	62.1	64.6	68.0	66.1	68.4	67.5
Contractual research and development.....	25.8	25.3	26.0	25.6	26.2	24.4	24.9	24.5
Installation support <sup>1</sup> .....	15.6	17.6	15.3	16.7	17.8	17.9	18.0	18.0
Weapons support <sup>2</sup> .....	6.8	8.1	6.8	7.7	8.3	8.1	8.5	8.3
Personnel support <sup>3</sup> .....	7.7	7.9	7.0	7.1	8.0	8.3	8.2	8.1
Transportation of materiel.....	3.8	4.2	3.8	4.0	4.0	4.2	4.6	4.5
Travel of persons.....	3.3	3.6	3.1	3.2	3.6	3.7	3.6	3.4
Other.....	.2	.1	.1	.2	.2	-.5	.6	.5
Structures.....	5.6	6.1	5.9	6.1	5.7	6.4	6.2	5.8
Military facilities.....	3.4	3.9	3.6	3.6	3.6	4.2	4.2	3.7
Other.....	2.2	2.2	2.3	2.4	2.0	2.2	2.1	2.0

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 4.2.—Exports and Imports of Goods and Services in Constant Dollars

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987			1988
			IV	I	II	III	IV	I <sup>p</sup>
Exports of goods and services....	377.4	425.8	388.3	397.8	414.5	437.1	453.5	464.6
Merchandise.....	244.6	281.1	256.7	258.7	270.5	291.4	303.8	315.6
Durable goods.....	153.1	176.5	159.8	161.7	166.9	181.7	195.8	203.4
Nondurable goods.....	91.5	104.6	96.9	96.9	103.6	109.7	108.1	112.2
Services.....	132.8	144.7	131.7	139.2	144.0	145.7	149.7	149.0
Factor income <sup>1</sup> .....	74.5	79.3	70.7	74.7	77.9	78.7</td		

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
<b>Merchandise exports</b>									
Foods, feeds, and beverages	224.9	257.6	231.7	235.6	247.4	267.2	280.3	292.4	
Industrial supplies and materials	22.6	24.6	22.7	21.5	23.4	28.3	25.3	29.2	
Durable goods	58.1	67.0	60.5	62.1	66.2	68.2	71.7	76.8	
Nondurable goods	16.6	19.1	17.5	17.9	18.3	19.6	20.6	22.8	
Capital goods, except autos	41.6	47.9	43.0	44.1	47.9	48.6	51.1	54.0	
Autos	79.8	90.8	82.8	82.1	84.5	95.7	100.7	105.6	
Consumer goods	25.4	27.2	24.9	25.9	26.2	26.0	30.7	31.2	
Durable goods	14.5	18.0	15.6	16.4	17.6	18.7	19.2	20.8	
Nondurable goods	5.7	7.4	6.5	6.8	7.3	7.6	8.1	8.8	
Other	24.4	30.0	25.7	27.6	29.5	30.3	32.6	28.8	
Durable goods <sup>1</sup>	12.2	15.0	12.9	13.8	14.8	15.1	16.3	14.4	
Nondurable goods <sup>1</sup>	12.2	15.0	12.9	13.8	14.8	15.1	16.3	14.4	
<b>Merchandise imports</b>									
Foods, feeds, and beverages	367.5	411.3	382.8	386.1	401.8	421.7	435.4	437.2	
Industrial supplies and materials, excluding petroleum	24.0	24.4	24.4	23.9	24.4	24.5	24.6	26.4	
Durable goods	61.4	66.0	64.1	63.6	62.8	65.6	72.4	75.1	
Nondurable goods	32.1	33.5	33.5	32.7	31.8	33.1	36.6	37.9	
Petroleum and products	29.3	32.4	30.6	30.9	30.5	32.5	35.8	37.2	
Capital goods, except autos	33.8	42.5	32.0	34.8	40.0	50.6	44.8	42.2	
Autos	75.4	87.1	79.3	79.2	85.1	89.0	95.2	97.6	
Consumer goods	78.1	85.2	82.0	82.4	84.3	85.1	88.9	82.8	
Durable goods	77.8	87.0	82.9	82.9	87.5	87.9	89.7	92.8	
Nondurable goods	43.6	46.8	46.1	45.2	46.5	47.4	48.0	48.8	
Other	34.2	40.2	36.9	37.7	41.1	40.5	41.6	44.0	
Durable goods <sup>1</sup>	17.0	19.1	18.0	19.2	18.3	19.1	19.8	20.4	
Nondurable goods <sup>1</sup>	8.5	9.5	9.0	9.6	9.1	9.5	9.9	10.2	
Addenda:	8.5	9.5	9.0	9.6	9.1	9.5	9.9	10.2	
Exports of agricultural products <sup>2</sup>	27.0	29.9	28.1	26.2	28.7	33.6	31.1	36.7	
Exports of nonagricultural products	197.9	227.7	203.6	209.4	218.8	233.6	249.2	255.7	
Imports of nonpetroleum products	333.7	368.7	350.7	351.3	361.9	371.1	390.6	395.1	

1. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods, they are distributed equally.

2. Includes parts of line 2 and line 5.

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
<b>Gross saving</b>									
Gross private saving	532.0	565.2	515.3	554.3	551.3	559.3	595.9		
Personal saving	679.8	672.6	653.4	683.8	639.9	648.7	718.2		
Undistributed corporate profits with inventory valuation and capital consumption adjustments	130.6	119.0	109.0	138.4	93.2	88.8	155.7	153.1	
Undistributed profits	40.0	43.9	45.4	38.7	42.1	46.7	48.3		
Inventory valuation adjustment	6.5	-17.5	-8.9	-11.3	-20.0	-17.6	-21.3	-15.9	
Capital consumption adjustment	46.0	48.2	42.1	48.2	48.0	47.7	48.7	45.9	
Corporate capital consumption allowances with capital consumption adjustment	282.8	296.2	289.3	291.8	294.5	297.8	300.9	304.4	
Noncorporate capital consumption allowances with capital consumption adjustment	173.8	182.8	176.6	178.0	182.1	185.3	186.0	188.5	
Wage accrals less disbursements	0	0	0	0	0	0	0	0	
Government surplus or deficit (-), national income and product accounts	-147.8	-107.4	-138.1	-129.5	-88.6	-89.3	-122.3		
Federal	-204.7	-151.4	-188.7	-170.5	-189.2	-135.8	-160.2		
State and local	56.8	44.0	50.6	41.0	50.6	46.5	37.9		
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0	
Gross investment	527.1	560.6	503.7	552.1	548.1	548.4	593.8	609.4	
Gross private domestic investment	671.0	717.5	660.2	699.9	702.6	707.4	760.2	761.9	
Net foreign investment	-143.9	-156.9	-156.5	-147.7	-154.5	-159.0	-166.4	-152.6	
Statistical discrepancy	-4.9	-4.6	-11.6	-2.2	-3.1	-10.9	-2.1		

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
<b>Merchandise exports</b>									
Foods, feeds, and beverages	244.6	281.1	256.7	258.7	270.5	291.4	303.8	315.6	
Industrial supplies and materials	25.7	30.0	27.5	26.3	28.8	34.5	30.4	33.9	
Durable goods	63.5	70.2	67.4	67.6	70.4	72.8	76.5		
Nondurable goods	18.1	20.0	19.5	19.5	19.4	20.2	20.9	22.7	
Capital goods, except autos	45.4	50.2	47.9	48.1	50.8	50.2	51.9	53.8	
Autos	94.2	110.4	98.5	98.5	102.6	116.2	124.3	131.0	
Consumer goods	22.6	23.8	22.0	22.9	22.9	22.7	26.7	27.0	
Durable goods	14.0	17.0	15.0	15.6	16.7	17.6	18.1	19.5	
Nondurable goods	5.9	7.5	6.7	6.9	7.4	7.7	8.1	8.8	
Other	24.6	29.7	26.2	27.8	29.4	29.9	31.6	27.7	
Durable goods <sup>1</sup>	12.3	14.8	13.1	13.9	14.7	14.9	15.8	13.8	
Nondurable goods <sup>1</sup>	12.3	14.8	13.1	13.9	14.7	14.9	15.8	13.8	
<b>Merchandise imports</b>									
Foods, feeds, and beverages	420.2	444.5	435.7	425.2	432.8	454.9	465.3	472.3	
Industrial supplies and materials, excluding petroleum	22.9	23.5	23.0	23.2	24.2	23.5	23.2	24.0	
Durable goods	72.8	73.6	75.1	74.9	71.0	71.3	77.3	78.0	
Nondurable goods	38.0	37.6	38.9	38.6	36.4	36.1	39.2	39.6	
Petroleum and products	34.8	36.0	36.2	36.3	34.6	35.2	38.0	38.5	
Capital goods, except autos	74.3	77.4	78.5	69.5	72.1	87.5	80.5	86.4	
Autos	93.3	108.1	97.6	96.8	103.8	111.4	120.3	123.2	
Consumer goods	66.3	68.1	67.3	67.2	67.6	67.7	69.9	64.6	
Durable goods	42.2	42.1	43.3	41.7	42.0	42.4	42.2	42.4	
Nondurable goods	31.8	34.2	33.7	33.6	35.2	33.9	34.2	35.8	
Other	16.7	17.5	17.2	18.2	16.9	17.3	17.7	17.9	
Durable goods <sup>1</sup>	8.3	8.8	8.6	9.1	8.5	8.7	8.8	9.0	
Nondurable goods <sup>1</sup>	8.3	8.8	8.6	9.1	8.5	8.7	8.8	9.0	
Addenda:									
Exports of agricultural products <sup>2</sup>	30.3	35.3	33.7	31.2	34.1	40.2	35.9	41.1	
Exports of nonagricultural products	214.4	245.8	222.9	227.4	236.4	251.2	267.9	274.5	
Imports of nonpetroleum products	345.9	367.1	357.2	355.7	360.7	367.4	384.8	386.0	

1. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods, they are distributed equally.

2. Includes parts of line 2 and line 5.

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

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987			1988	
			IV	I	II	III	IV	I <sup>p</sup>	
<b>National income without capital consumption adjustment</b>									
Domestic industries	3,360.7	3,574.9	3,						

Table 5.8.—Change in Business Inventories by Industry

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
<b>Change in business inventories</b>								
Farm	-1.1	9.9	-11.6	2.9	13.0	11.7	12.0	19.3
Nonfarm	16.8	36.2	5.1	48.7	27.3	11.1	57.5	37.7
Change in book value	10.0	55.9	13.5	61.5	49.7	31.0	81.5	53.8
Inventory valuation adjustment <sup>1</sup>	6.8	-19.8	-8.4	-12.8	-22.4	-19.9	-24.1	-16.1
Manufacturing	-4.6	6.2	-4.7	5.9	-3.7	12.8	10.0	17.7
Durable goods	-5.2	4.6	-7.6	1.4	-1.6	9.2	9.4	13.6
Nondurable goods	.6	1.6	2.9	4.5	-2.2	3.6	.6	4.1
Wholesale trade	4.0	8.3	-5.2	7.4	8.1	1.4	16.4	21.6
Durable goods	1.7	5.2	-5.8	6.1	-2.7	11.3	18.8	
Nondurable goods	2.3	3.1	.6	1.3	1.9	4.1	5.1	2.9
Merchant wholesalers	4.0	8.1	-5.0	5.2	11.2	.9	15.0	18.6
Durable goods	2.0	4.7	-6.1	5.0	7.1	-3.0	9.7	17.4
Nondurable goods	2.0	3.4	1.1	2	4.1	3.9	5.3	1.2
Nonmerchant wholesalers	0	.3	-2	2.2	-8.0	.5	1.3	3.0
Durable goods	-.3	.5	.2	1.1	-.9	.3	1.6	1.3
Nondurable goods	.3	-.3	-.5	1.1	-2.1	.2	-2	1.7
Retail trade	6.9	14.6	7.4	28.3	16.9	-9.5	22.9	-8.0
Durable goods	3.7	9.7	2.6	21.4	10.7	-14.1	20.8	-12.6
Nondurable goods	3.2	4.9	4.8	6.9	6.2	4.6	2.0	4.6
Other	10.5	7.0	7.7	7.2	6.0	6.4	8.2	6.4
Durable goods	4.6	5.8	6.3	6.3	6.7	5.6	4.5	3.7
	5.9	1.2	1.4	.9	-.7	.8	3.7	2.7

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. Prior to 1973, the two IVA's are the same because information required for separate estimates is not available.

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

[Billions of dollars]

	1986	1987	Seasonally adjusted quarterly totals					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
<b>Inventories<sup>1</sup></b>								
Farm	863.4	884.6	906.9	921.4	948.1	968.5		
Nonfarm	66.7	69.4	76.3	79.3	81.9	86.9		
Durable goods	796.7	815.2	830.5	842.1	866.2	881.6		
Nondurable goods	469.6	480.0	487.9	493.1	511.5	520.4		
Manufacturing	327.1	335.2	342.6	349.0	354.7	361.2		
Durable goods	324.3	327.7	329.3	336.6	343.7	350.7		
Nondurable goods	217.1	217.6	217.7	222.6	228.8	233.5		
Wholesale trade	107.1	110.1	111.6	113.9	114.9	117.2		
Durable goods	181.5	185.2	189.8	192.2	198.1	205.4		
Nondurable goods	117.8	120.0	122.3	123.0	127.2	132.9		
Merchant wholesalers	63.8	65.3	67.5	69.2	70.9	72.5		
Durable goods	157.6	160.1	165.1	167.0	172.5	178.8		
Nondurable goods	103.8	105.8	108.3	108.6	112.2	117.5		
Nonmerchant wholesalers	53.7	54.3	56.8	58.4	60.3	61.8		
Durable goods	23.9	25.1	24.7	25.2	25.6	26.6		
Nondurable goods	13.9	14.2	14.0	14.3	15.0	15.4		
Retail trade	10.0	10.9	10.7	10.9	10.6	11.2		
Durable goods	189.5	197.8	204.3	203.2	210.0	209.4		
Nondurable goods	95.3	101.4	105.1	102.3	107.9	105.4		
Other	94.2	96.3	99.2	100.9	102.0	104.0		
Final sales <sup>2</sup>	304.8	306.1	312.1	319.6	321.4	325.8		
Final sales of goods and structures <sup>2</sup>	177.9	176.2	179.4	184.3	183.9	185.7		
Ratio of inventories to final sales								
Inventories to final sales	2.83	2.89	2.91	2.88	2.95	2.97		
Nonfarm inventories to final sales	2.61	2.66	2.66	2.63	2.69	2.71		
Nonfarm inventories to final sales of goods and structures	4.48	4.63	4.63	4.57	4.71	4.75		

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]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
<b>Change in business inventories</b>			13.8	42.9	-14.4	47.6	39.0	24.6
Farm	-1.6	10.4	-16.6	3.7	16.3	12.5	9.0	19.6
Nonfarm	15.4	32.5	2.3	43.9	22.7	12.1	51.5	38.3
Manufacturing	-5.2	5.6	-4.9	5.3	-4.4	12.1	9.4	16.5
Durable goods	-5.2	4.2	-7.1	1.1	-1.7	8.5	8.7	12.6
Nondurable goods	0	1.4	2.1	4.2	-2.7	3.5	.6	3.9
Wholesale trade	3.7	7.0	-5.9	6.6	5.6	1.6	14.2	23.1
Durable goods	1.7	4.9	-5.3	5.7	5.6	-2.4	10.7	17.3
Nondurable goods	2.1	2.1	-.6	.9	0	4.0	3.4	5.8
Merchant wholesalers	3.7	6.9	-4.7	3.6	9.6	1.2	13.3	19.3
Durable goods	1.9	4.4	-5.5	4.6	6.4	-2.7	9.1	16.0
Nondurable goods	1.8	2.6	-.8	-1.0	3.1	3.9	4.2	3.3
Nonmerchant wholesalers	0	0	-1.3	3.0	-4.0	.3	.9	3.8
Durable goods	-.3	.5	.2	1.1	-.8	.3	1.6	1.3
Nondurable goods	.3	-.5	-1.5	1.9	-3.2	0	-.8	2.5
Retail trade	6.6	13.2	6.7	25.2	15.5	-8.0	20.2	-6.8
Durable goods	3.6	8.7	2.2	18.8	9.8	-12.2	18.3	-11.0
Nondurable goods	3.0	4.5	4.5	6.4	5.7	4.2	1.9	4.2
Other	10.2	6.7	6.4	6.8	6.0	6.4	7.7	5.5
Durable goods	4.2	5.3	5.8	6.2	5.1	4.0	4.0	3.3
Nondurable goods	6.0	1.4	.5	1.0	-.2	1.3	3.7	2.3

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted quarterly totals					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
<b>Inventories<sup>1</sup></b>			845.8	857.7	867.4	873.6	888.7	903.1
Farm	73.2	74.1	78.2	81.3	83.6	88.5		
Nonfarm	772.5	783.5	789.2	792.2	805.1	814.7		
Durable goods	488.7	446.5	451.5	451.3	461.7	467.3		
Nondurable goods	333.9	337.0	337.7	341.0	343.4	347.4		
Manufacturing	317.0	318.3	317.2	320.2	322.6	326.7		
Durable goods	205.3	205.5	205.1	207.3	209.4	212.6		
Nondurable goods	111.7	112.8	112.1	113.0	113.1	114.1		
Wholesale trade	177.6	179.2	180.6	181.0	184.6	190.3		
Durable goods	109.6	111.1	112.5	111.9	114.5	118.9		
Nondurable goods	68.0	68.2	68.2	69.2	70.0	71.5		
Merchant wholesalers	151.5	152.4	154.8	155.1	158.4	163.3		
Durable goods	96.6	97.7	99.3	98.7	100.9	104.9		
Nondurable goods	54.9	54.7	55.5	56.5	57.5	58.3		
Nonmerchant wholesalers	26.1	26.8	25.8	25.9	26.1	27.1		
Durable goods	13.1	13.3	13.1	13.2	13.6	13.9		
Nondurable goods	13.0	13.5	12.7	12.7	12.5	13.2		
Retail trade	174.8	181.1	185.0	188.0	188.0	186.3		
Durable goods	87.3	92.0	94.4	91.4	95.9	93.2		
Nondurable goods	87.5	89.1						

Table 6.18B.—Corporate Profits by Industry

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986		1987		1988	
			IV	I	II	III	IV	I
Corporate profits with inventory valuation and capital consumption adjustments	284.4	304.7	281.1	294.0	296.8	314.9	313.0	.....
Domestic industries	253.2	270.6	251.4	261.3	263.8	283.1	274.3	.....
Financial	27.5	27.0	26.8	28.0	27.9	26.9	25.0	.....
Nonfinancial	225.8	243.7	224.6	233.4	235.9	256.2	249.3	.....
Rest of the world	31.2	34.0	29.7	32.6	33.0	31.9	38.7	.....
Corporate profits with inventory valuation adjustment	238.4	256.5	239.0	245.7	248.8	267.3	264.3	.....
Domestic industries	207.2	222.5	209.3	213.1	215.8	235.4	225.6	.....
Financial	26.1	27.0	26.1	27.6	27.8	27.0	25.5	.....
Federal Reserve banks	16.0	16.0	15.5	15.7	16.1	16.1	16.2	.....
Other	10.1	10.9	10.6	11.9	11.7	10.9	9.3	.....
Nonfinancial	181.1	195.5	183.2	185.5	188.0	208.4	200.1	.....
Manufacturing	69.4	88.6	75.4	75.4	85.5	100.7	92.9	.....
Durable goods	31.1	37.2	31.3	38.7	37.4	42.8	29.9	.....
Primary metal industries	-1.8	8	-4	8	-7	1.4	1.7	.....
Fabricated metal products	4.1	5.0	3.6	3.9	3.8	6.7	5.5	.....
Machinery, except electrical	3.9	5.2	3.1	4.9	5.0	7.0	3.7	.....
Electric and electronic equipment	4.3	4.2	1.6	2.9	5.6	6.2	2.0	.....
Motor vehicles and equipment	5.9	5.0	6.4	7.1	7.4	3.5	2.2	.....
Other	14.7	17.1	17.0	19.1	16.3	18.0	14.8	.....
Nondurable goods	38.4	51.5	44.1	36.7	48.2	57.9	63.0	.....
Food and kindred products	8.7	9.9	9.1	7.7	8.4	11.1	12.5	.....
Chemicals and allied products	6.7	9.2	8.4	7.9	7.8	10.2	10.9	.....
Petroleum and coal products	5.4	11.6	5.9	2.8	12.7	14.7	16.6	.....
Other	17.6	20.7	18.8	19.2	21.9	22.9	.....	.....
Transportation and public utilities	42.4	38.8	41.9	37.4	39.0	37.9	40.9	.....
Wholesale and retail trade	52.1	50.5	49.7	56.2	45.2	52.1	48.7	.....
Other	17.2	17.5	16.8	16.6	18.3	17.6	17.6	.....
Rest of the world	31.2	34.0	29.7	32.6	33.0	31.9	38.7	.....

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

[Index numbers, 1982=100]

	1986	1987	Seasonally adjusted					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product	115.1	119.1	116.1	117.4	118.6	119.6	120.7	121.8
Final sales	115.0	118.9	116.0	117.3	118.5	119.5	120.5	121.6
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Goods	108.3	111.0	108.5	109.7	110.8	111.2	112.1	112.7
Final sales	108.1	110.8	108.3	109.6	110.6	111.1	111.9	112.5
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Durable goods	105.7	106.8	106.0	106.7	106.7	106.9	107.0	107.2
Final sales	105.7	106.8	105.9	106.6	106.6	106.8	107.0	107.2
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Nondurable goods	109.9	113.7	110.1	111.8	113.5	114.2	115.5	116.3
Final sales	109.8	113.5	109.9	111.6	113.3	114.0	115.3	116.1
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Services	122.5	127.8	124.3	125.8	127.1	128.4	129.9	131.4
Structures	106.5	109.5	107.0	107.9	109.1	110.4	110.6	111.7

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

[Index numbers, 1982=100]

	1986	1987	Seasonally adjusted					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product	115.1	119.1	116.1	117.4	118.6	119.6	120.7	121.8
Personal consumption expenditures	115.2	120.0	116.4	118.0	119.5	120.7	121.9	122.7
Durable goods	106.2	109.1	107.1	107.9	108.6	109.7	110.8	110.8
Non durable goods	107.7	112.6	108.2	110.4	112.4	113.2	114.3	114.6
Services	123.1	128.3	124.9	126.2	127.6	129.0	130.5	131.8
Gross private domestic investment	.....	.....	.....	.....	.....	.....	.....	.....
Fixed investment	104.9	107.3	105.7	106.4	107.1	107.9	108.8	108.8
Nonresidential	103.2	104.9	103.9	104.3	104.7	105.2	105.4	106.1
Structures	100.7	102.9	100.8	101.6	102.6	103.5	104.0	105.0
Producers' durable equipment	104.7	106.1	105.8	106.0	106.0	106.2	106.2	106.9
Residential	110.9	115.8	112.0	113.5	115.3	117.4	117.0	118.1
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Net exports of goods and services	.....	.....	.....	.....	.....	.....	.....	.....
Exports	103.6	106.0	103.5	104.5	105.6	106.4	107.3	108.5
Imports	92.6	99.5	93.5	96.3	98.9	100.7	101.8	102.0
Government purchases of goods and services	116.5	121.2	117.6	119.3	120.6	121.7	123.1	124.8
Federal	111.3	114.4	111.1	113.2	114.3	114.4	115.7	117.4
National defense	112.1	115.3	112.1	114.2	115.3	115.3	116.5	118.1
Nondefense	109.3	112.1	108.7	110.5	111.7	112.4	113.6	115.6
State and local	120.3	126.2	122.4	123.8	125.2	127.1	128.6	130.3
Addenda:	.....	.....	.....	.....	.....	.....	.....	.....
Final sales	115.0	118.9	116.0	117.3	118.5	119.5	120.5	121.6
Personal consumption expenditures, food	112.2	117.2	114.5	115.3	116.9	117.8	118.8	119.1
Personal consumption expenditures, energy	90.8	92.1	85.0	90.3	91.9	93.6	92.8	92.0
Other personal consumption expenditures	119.1	124.2	120.8	122.2	123.6	124.8	126.3	127.5

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

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]

	1986	1987	Seasonally adjusted					
			1986		1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>
Gross national product	115.1	119.1	116.1	117.4	118.6	119.6	120.7	121.8
Less: Exports of goods and services	103.6	106.0	103.5	104.5	105.6	106.4	107.3	108.5
Plus: Imports of goods and services	92.6	99.5	93.5	96.3	98.9	100.7	101.8	102.0
Equals: Gross domestic purchases <sup>1</sup>	114.1	118.5	115.2	116.7	118.0	119.1	120.2	121.2
Less: Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Equals: Final sales to domestic purchasers <sup>2</sup>	113.9	118.4	115.0	116.5	117.9	119.0	120.1	121.1

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

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

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

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

	1986	1987	Seasonally adjusted						
			1986			1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Personal consumption expenditures.....	114.3	118.8	115.2	116.9	118.3	119.5	120.7	121.4	
Durable goods.....	104.9	106.6	105.2	105.4	106.1	107.4	107.4	107.5	
Non durable goods.....	107.1	111.9	107.5	109.8	111.7	112.6	113.6	113.7	
Services.....	122.5	127.6	124.3	125.5	126.9	128.3	129.8	131.1	
Gross private domestic investment.....									
Fixed investment.....	102.3	104.2	103.3	103.9	104.4	104.1	104.3	103.6	
Nonresidential.....	98.5	98.9	99.2	99.3	99.2	98.4	98.7	97.7	
Structures.....	105.5	107.8	106.7	106.9	107.8	107.8	107.8	109.6	
Producers' durable equipment.....	95.5	95.5	96.3	96.3	96.0	94.9	94.9	98.5	
Residential.....	111.1	116.1	112.2	113.7	115.7	117.8	117.4	118.5	
Change in business inventories.....									
Net exports of goods and services.....									
Exports.....	99.7	100.5	98.7	99.9	100.5	100.5	101.0	101.3	
Imports.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Government purchases of goods and services.....	115.3	119.6	114.8	118.0	119.6	120.4	120.3	123.1	
Federal.....	110.2	112.9	107.0	112.1	114.1	113.6	111.9	115.8	
National defense.....	110.8	111.7	110.4	111.7	111.8	111.4	112.0	113.7	
Nondesign.....	108.1	117.3	97.5	113.6	123.1	122.2	111.5	124.5	
State and local.....	119.3	124.7	121.2	122.4	123.8	125.6	126.9	128.4	

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

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

[Index numbers, 1982=100]

Gross national product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Final sales.....	114.1	117.6	114.7	116.1	117.3	118.1	118.8	119.7	
Change in business inventories.....									
Goods.....	106.2	107.7	106.0	106.9	107.6	107.9	108.2	108.0	
Final sales.....	106.1	107.7	105.5	106.9	107.8	108.1	108.0	108.3	
Change in business inventories.....									
Durable goods.....	101.4	100.4	100.8	101.1	100.5	99.9	100.1	99.0	
Final sales.....	101.3	100.1	100.9	100.6	100.2	100.0	99.5	98.8	
Change in business inventories.....									
Nondurable goods.....	110.1	114.0	110.3	111.8	113.8	115.0	115.6	116.4	
Final sales.....	110.1	114.3	109.3	112.0	114.2	115.5	115.4	117.3	
Change in business inventories.....									
Services.....	122.3	127.4	124.0	125.4	126.7	128.1	129.5	131.1	
Structures.....	109.7	113.4	110.8	111.7	113.1	114.2	114.4	115.5	

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

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

[Index numbers, 1982=100]

Gross national product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Gross domestic product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Business.....	112.7	115.8	113.4	114.5	115.5	116.2	116.9	117.3	
Nonfarm.....	113.4	116.3	114.1	115.1	115.9	116.7	117.4	117.8	
Nonfarm less housing.....	112.1	114.8	112.7	113.7	114.4	115.2	115.7	116.0	
Housing.....	126.1	132.0	128.5	129.7	131.0	132.6	134.9	136.4	
Farm.....	90.2	95.8	87.8	90.2	99.1	97.6	96.5	97.6	
Statistical discrepancy.....	112.7	115.8	113.4	114.5	115.5	116.2	116.9	117.3	
Households and institutions.....	120.8	125.4	122.1	123.8	124.8	125.8	127.8	130.2	
Private households.....	103.6	104.4	104.1	104.4	104.4	104.4	104.4	104.5	
Nonprofit institutions.....	122.2	127.1	123.6	124.8	126.3	127.5	129.7	132.2	
Government.....	123.4	130.2	125.7	127.9	129.5	130.9	132.6	135.4	
Federal.....	117.4	122.4	117.7	121.3	122.3	122.5	123.5	126.7	
State and local.....	126.5	134.2	129.8	131.3	133.2	135.2	137.3	139.8	
Rest of the world.....	115.5	119.3	116.5	117.8	118.9	119.7	120.6	121.4	
Addendum:									
Gross domestic business product less housing.....	111.6								

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

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

	1986	1987	Seasonally adjusted						
			1986			1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Less: Capital consumption allowances with capital consumption adjustment.....	103.3	104.4	103.7	103.6	104.4	104.9	104.8	105.3	
Equals: Net national product.....	115.5	119.2	116.4	117.7	118.9	119.7	120.6	121.4	
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises.....	115.0	117.9	113.8	114.4	118.3	121.4	117.6	121.3	
Statistical discrepancy.....	112.7	115.8	113.4	114.5	115.5	116.2	116.9	118.0	
Equals: National income.....	115.6	119.4	116.7	118.1	118.9	119.5	120.9	120.4	

**Table 7.8.—Implicit Price Deflators for Command-Basis Gross National Product**  
 [Index numbers, 1982=100]

	1986	1987	Seasonally adjusted						
			1986			1987		1988	
			IV	I	II	III	IV	I <sup>p</sup>	
Gross national product.....	114.1	117.5	114.9	116.1	117.1	117.9	118.7	119.4	
Less: Net exports of goods and services.....	99.7	100.5	98.7	99.9	100.5	100.5	101.0	101.3	
Exports.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Imports.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Equals: Gross domestic purchases.....	112.5	116.5	113.4	114.9	116.2	116.9	117.8	118.4	
Plus: Command-basis net exports of goods and services.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Command-basis exports.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Imports.....	92.1	97.5	92.6	95.6	97.7	97.8	98.8	98.2	
Equals: Command-basis gross national product.....	113.1	117.1	114.1	115.5	116.8	117.6	118.4	119.0	

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

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

[Index numbers, 1982=100]

	Personal consumption expenditures.....	Seasonally adjusted							
		1986			1987		1988		
		IV	I	II	III	IV	I <sup>p</sup>		
Durable goods.....	106.2	109.1	107.1	107.9	108.6	109.7	110.3	110.8	
Motor vehicles and parts.....	110.0	114.1	111.5	112.2	113.6	114.8	115.7	115.4	
Furniture and household equipment.....	101.1	102.3	100.5	102.2	101.8	102.8	102.6	103.4	
Other.....	108.0	111.9	109.7	110.9	112.2	114.0	114.6	11	

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

[Index numbers, 1982=100]

	1986	1987	Seasonally adjusted					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
Merchandise exports.....	96.3	97.8	95.2	96.2	97.3	98.2	99.3	100.6
Foods, feeds, and beverages.....	87.8	82.1	82.4	81.7	81.4	82.0	83.3	86.1
Industrial supplies and materials.....	91.6	95.4	89.7	91.8	94.4	96.8	98.5	100.4
Durable goods.....	91.6	95.4	89.7	91.8	94.4	96.8	98.5	100.4
Nondurable goods.....	91.6	95.4	89.7	91.8	94.4	96.8	98.5	100.4
Capital goods, except autos.....	98.2	100.2	98.6	99.5	100.1	100.2	100.8	101.4
Autos.....	112.4	114.3	113.4	113.3	114.1	114.5	115.2	115.4
Consumer goods.....	103.0	106.0	104.0	105.3	105.8	106.1	106.6	107.1
Durable goods.....	96.7	98.9	97.3	98.3	98.5	98.8	99.7	100.2
Nondurable goods.....	108.0	111.6	109.3	110.8	111.6	111.9	112.1	112.5
Other.....	99.4	101.1	98.1	99.3	100.4	101.3	103.1	104.2
Durable goods.....	99.4	101.1	98.1	99.3	100.4	101.3	103.1	104.2
Nondurable goods.....	99.4	101.1	98.1	99.3	100.4	101.3	103.1	104.2
Merchandise imports.....	86.2	93.3	86.8	88.9	92.7	94.8	95.6	95.4
Foods, feeds, and beverages.....	104.9	103.6	106.2	102.9	101.1	104.3	106.2	110.1
Industrial supplies and materials, excluding petroleum.....	84.4	90.2	84.9	85.8	88.3	92.7	94.3	96.9
Durable goods.....	84.5	90.3	85.0	85.4	88.5	92.9	94.5	97.0
Nondurable goods.....	84.3	90.0	84.7	85.1	88.1	92.5	94.1	96.7
Petroleum and products.....	45.5	55.0	40.8	50.1	55.5	57.8	55.7	48.8
Capital goods, except autos.....	92.5	99.4	95.6	97.8	99.4	99.3	101.1	103.2
Autos.....	117.8	125.1	121.9	122.6	124.7	125.7	127.2	128.2
Consumer goods.....	105.0	113.8	107.5	110.0	113.1	115.0	117.0	118.3
Durable goods.....	103.2	112.1	106.3	108.3	110.7	111.9	113.7	115.0
Nondurable goods.....	107.5	117.6	109.3	112.5	116.6	119.5	121.6	123.0
Other.....	102.0	108.9	104.6	105.6	108.2	110.2	111.8	113.6
Durable goods.....	102.0	108.9	104.6	105.6	108.2	110.3	111.8	113.6
Nondurable goods.....	102.0	108.9	104.6	105.6	108.2	110.2	111.8	113.6

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

[Index numbers, 1982=100]

	1986	1987	Seasonally adjusted					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
National defense purchases.....	112.1	115.3	112.1	114.2	115.3	115.3	116.5	118.1
Durable goods.....	112.4	112.9	112.7	113.9	113.8	111.7	112.2	112.8
Military equipment.....	114.4	114.5	114.6	116.0	115.8	118.0	113.3	114.1
Aircraft.....	123.6	118.9	122.3	121.1	120.2	116.4	117.7	118.9
Missiles.....	114.2	124.9	116.3	129.5	130.1	121.1	118.7	119.6
Ships.....	117.2	117.9	117.3	117.6	117.8	118.0	118.0	118.0
Vehicles.....	87.3	93.1	94.6	94.5	93.2	92.5	92.0	91.7
Electronics equipment.....	107.2	108.2	107.6	107.7	107.9	108.4	108.8	109.0
Other.....	102.6	102.8	101.6	101.9	102.4	103.1	103.7	104.8
Other durable goods.....	103.1	105.6	104.2	104.2	104.9	106.0	107.1	107.1
Nondurable goods.....	70.8	70.4	63.0	65.3	70.5	71.8	74.1	73.2
Petroleum products.....	54.0	52.4	42.2	45.6	52.7	54.2	56.9	54.9
Ammunition.....	104.8	106.8	105.2	104.6	106.1	107.3	109.3	111.1
Other nondurable goods.....	107.1	109.9	107.9	108.6	109.6	110.3	111.1	111.9
Services.....	116.3	120.9	116.9	119.5	120.6	121.1	122.5	124.7
Compensation of employees.....	117.4	122.2	117.7	121.0	122.0	116.4	117.7	118.9
Military.....	117.6	121.8	117.8	123.1	120.7	119.7	121.5	122.0
Civilian.....	117.1	123.0	117.6	121.7	123.0	128.0	123.0	124.0
Other services.....	114.0	118.5	115.3	116.4	117.8	118.8	120.8	121.8
Contractual research and development.....	113.4	115.6	114.0	114.2	114.7	116.0	117.3	117.3
Installation support <sup>1</sup> .....	120.0	123.8	121.0	121.9	122.9	124.3	126.0	126.6
Weapons support <sup>2</sup> .....	113.8	114.6	113.7	113.6	113.8	114.4	116.4	116.7
Personnel support <sup>3</sup> .....	129.8	149.5	135.3	141.4	149.1	149.7	157.7	160.9
Transportation of materiel.....	87.3	95.5	90.9	98.0	96.4	96.2	96.4	96.5
Travel of persons.....	102.3	105.7	103.8	105.2	105.1	106.3	106.3	106.3
Other.....	112.4	115.5	113.8	113.8	114.7	116.6	116.7	117.8
Structures.....	117.2	120.7	118.0	118.9	119.7	121.2	122.9	125.5
Military facilities.....	120.4	124.2	121.1	122.3	123.1	124.3	127.0	130.6
Other.....	112.4	115.5	113.8	113.8	114.7	116.6	116.7	117.8

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]

	1986	1987	Seasonally adjusted					
			1986			1987		1988
			IV	I	II	III	IV	I <sup>p</sup>
Government purchases of goods and services.....	116.5	121.2	117.6	119.3	120.6	121.7	123.1	124.8
Federal.....	111.3	114.4	111.1	113.2	114.3	114.4	115.7	117.4
National defense.....	112.1	115.3	112.1	114.2	115.3	116.3	118.1	118.1
Durable goods.....	112.4	112.9	112.7	113.9	113.8	112.1	112.2	112.8
Nondurable goods.....	70.8	70.4	63.0	65.3	70.5	71.8	74.1	73.2
Services.....	116.3	120.9	116.9	119.5	120.6	121.1	122.5	124.7
Compensation of employees.....	117.4	122.2	117.7	121.0	122.0	122.3	123.3	126.4
Military.....	117.6	121.8	117.8	120.7	121.5	121.8	123.0	126.0
Civilian.....	117.1	123.0	117.6	121.7	123.0	123.1	124.0	127.4
Other services.....	114.0	118.5	115.3	116.4	117.8	118.8	120.8	122.9
Structures.....	117.2	120.7	118.0	118.9	119.7	121.2	122.9	125.5
Nondefense.....	109.3	112.1	108.7	110.5	111.7	112.4	113.6	115.6
Durable goods.....	98.9	99.5	99.1	99.7	99.8	99.2	99.4	100.6
Nondurable goods.....	117.3	123.1	117.7	121.9	123.1	123.3	124.0	127.5
Commodity Credit Corporation inventory change.....	118.6	120.1	116.2	118.9	119.9	120.5	121.2	123.5
Other nondurables.....	94.7	96.9	94.0	96.6	96.9	97.5	96.4	96.7
Services.....	117.3	123.1	117.7	121.9	123.1	123.3	124.0	127.5
Compensation of employees.....	113.1	115.6	114.0	114.3	115.0	116.2	116.9	117.4
Other services.....	109.4	111.0	109.8	110.2	110.6	111.4	111.9	113.2
Structures.....	120.3	126.2	122.4	123.8	125.2	127.1	128.6	130.3
State and local.....	108.6	110.6	109.7	109.9	110.3	111.0	111.3	111.9
Durable goods.....	90.5	94.9	89.4	92.7	94.4	96.1	96.5	95.5
Nondurable goods.....	126.5	132.7	128.6	129.9	131.6	133.6	135.5	137.7
Services.....	127.3	134.2	129.8	131.3	133.1	135.2	137.3	139.7
Compensation of employees.....	122.8	125.6	122.9	123.9	124.7	126.5	127.3	128.7
Other services.....	113.2	114.0	112.9	113.0	113.5	114.5	115.1	115.7

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

[Dollars]

	1986	1987	Seasonally adjusted					
1986			1987		1988			
IV	I	II	III	IV	I			





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

[Percent]

	1986	1987	Seasonally adjusted at annual rates							1986	1987	Seasonally adjusted at annual rates								
			1986			1987						1986			1987					
			IV	I	II	III	IV	I <sup>p</sup>				IV	I	II	III	IV	I <sup>p</sup>			
<b>Gross national product:</b>																				
Current dollars	5.6	6.0	2.1	8.6	6.3	7.3	7.6	4.7												
1982 dollars	2.9	2.9	1.5	4.4	2.5	4.3	4.8	2.3												
Implicit price deflator	2.6	3.0	.7	4.2	3.5	2.8	2.7	2.4												
Chain price index	2.4	3.2	2.0	4.2	3.7	3.3	3.1	3.5												
Fixed-weighted price index	2.7	3.4	2.3	4.5	4.1	3.4	3.6	3.7												
<b>Personal consumption expenditures:</b>																				
Current dollars	6.5	6.0	3.1	5.0	7.1	9.5	1.5	6.2												
1982 dollars	4.2	1.9	.5	-.7	1.9	5.4	-2.5	3.8												
Implicit price deflator	2.2	3.9	2.5	6.0	4.9	4.1	4.1	2.3												
Chain price index	2.5	4.1	3.0	5.5	5.2	4.0	4.0	2.6												
Fixed-weighted price index	2.6	4.2	3.0	5.7	5.2	4.0	4.2	2.7												
<b>Durable goods:</b>																				
Current dollars	9.1	2.8	-7.1	-20.7	13.7	30.1	-20.1	12.9												
1982 dollars	8.7	1.2	-6.3	-21.2	10.5	24.3	-20.3	12.7												
Implicit price deflator	.4	1.6	-.8	.8	2.7	5.0	0	.4												
Chain price index	1.0	2.4	1.6	2.9	2.2	3.6	2.2	1.5												
Fixed-weighted price index	1.2	2.7	1.6	3.2	2.6	4.1	2.3	1.5												
<b>Nondurable goods:</b>																				
Current dollars	2.9	4.6	2.7	10.4	5.1	1.8	2.7	.8												
1982 dollars	3.3	.1	2.1	1.3	-.9	-1.5	-.5	-.2												
Implicit price deflator	-.4	4.5	2.6	8.8	7.1	3.3	3.6	.4												
Chain price index	-.1	4.5	2.6	8.2	7.8	3.1	3.9	.8												
Fixed-weighted price index	-.1	4.5	2.6	8.3	7.6	3.2	3.9	.9												
<b>Services:</b>																				
Current dollars	8.2	7.8	6.4	9.8	6.7	9.5	7.3	8.8												
1982 dollars	3.4	3.5	3.0	5.4	2.1	5.0	2.4	3.9												
Implicit price deflator	4.6	4.2	3.3	3.9	4.5	4.5	4.8	4.1												
Chain price index	4.7	4.3	3.6	4.6	4.4	4.6	4.7	4.1												
Fixed-weighted price index	4.7	4.2	3.6	4.5	4.2	4.5	4.7	4.0												
<b>Gross private domestic investment:</b>																				
Current dollars	4.6	6.9	-.4	26.3	1.6	2.8	33.4	.9												
1982 dollars	2.8	5.1	-.8	28.5	1.1	5.0	26.4	8.7												
Implicit price deflator																				
Chain price index																				
Fixed-weighted price index																				
<b>Fixed investment:</b>																				
Current dollars	3.7	2.5	5.8	-10.6	9.0	14.1	3.7	8.4												
1982 dollars	1.8	.7	4.2	-12.5	6.9	15.0	3.3	11.3												
Implicit price deflator	1.8	1.9	1.6	2.3	1.9	-1.1	-.8	-2.7												
Chain price index	1.5	2.5	2.9	2.7	2.7	3.3	-.7	3.0												
Fixed-weighted price index	1.6	2.3	2.4	2.6	2.6	3.1	.2	3.2												
<b>Nonresidential:</b>																				
Current dollars	-.1.3	1.5	5.8	-14.5	11.6	21.8	2.7	16.2												
1982 dollars	-.23	1.0	5.1	-14.6	11.7	25.8	1.6	21.0												
Implicit price deflator	1.0	.4	.8	.4	-.4	-3.2	1.2	-4.0												
Chain price index	1.1	1.5	2.6	1.4	1.4	1.1	-.3	2.5												
Fixed-weighted price index	1.4	1.6	2.1	1.8	1.4	1.8	.7	3.0												
<b>Structures:</b>																				
Current dollars	-.9.9	-2.3	5.6	-12.1	3.1	24.9	12.2	-2.0												
1982 dollars	-.12.8	-4.5	6.3	-12.8	0	24.6	8.4	-5.1												
Implicit price deflator	3.3	2.2	-.4	.8	3.4	0	3.4	3.4												
Chain price index	.8	2.8	2.1	3.7	4.2	4.0	1.7	3.9												
Fixed-weighted price index	.4	2.2	1.3	3.3	3.8	3.7	1.9	3.9												
<b>Producers' durable equipment:</b>																				
Current dollars	3.2	3.2	5.8	-15.4	15.5	20.6	-1.2	25.0												
1982 dollars	2.9	3.3	4.7	-15.3	16.5	26.3	-.9	32.5												
Implicit price deflator	.3	0	1.3	0	-.2	-4.5	0	-.5												
Chain price index	1.2	.9	2.8	.4	-1.2	0	-.1	1.9												
Fixed-weighted price index	2.0	1.3	2.6	.9	0	.7	0	2.4												
<b>Residential:</b>																				
Current dollars	15.5	4.5	5.7	-2.6	4.1	-.4	5.9	-5.8												
1982 dollars	12.5	0	2.2	-7.7	-2.8	-6.5	7.4	-9.4												
Implicit price deflator	2.7	4.5	3.3	5.5	7.2	7.5	-1.4	3.8												
Chain price index	2.6	4.5	3.5	5.4	7.2	7.5	-1.4	3.9												
Fixed-weighted price index	2.5	4.4	3.5	5.3	6.7	7.3	-1.4	4.0												
<b>Exports of goods and services:</b>																				
Current dollars	1.7	13.7	7.3	15.4	20.8	23.6	18.4	11.4												
1982 dollars	3.8	12.8	9.5	10.2	17.9	23.7	15.9	10.2												
Implicit price deflator	-1.6	.8	-2.0	5.0	2.4	0	2.0	1.2												
Chain price index	-.5	2.1	-.2	3.8	4.0	2.7	3.1	4.0												
Fixed-weighted price index	-.1	2.3	0	4.0	4.4	3.1	3.4	4.3												
<b>Imports of goods and services:</b>																				
Current dollars	7.2	13.6	11.2	7.6	21.4	22.7	14.6	2.5												
1982 dollars	10.5	7.3	-.8	-5.2	11.1	22.4	9.9	5.2												
Implicit price deflator	-2.8	5.9	12.1	13.6	9.1	.4	4.2	-2.4												
Chain price index	-.9	7.0	8.5	10.8	10.0	6.6	3.8	1.6												
Fixed-weighted price index	-3.1	7.4	8.7	12.5	11.3	7.5	4.3	.7												

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.—Gross Private Domestic Investment by Type

[Billions of dollars]

	1985	1986	1987	Seasonally adjusted at annual rates							
				1987				1988			
				I	II	III	IV	I <sup>p</sup>			
Gross private domestic investment.....	641.6	671.0	717.5	699.9	702.6	707.4	760.2	761.9			
Fixed investment.....	631.6	655.2	671.5	648.2	662.3	684.5	690.8	704.9			
Nonresidential.....	442.6	486.9	443.4	422.8	434.6	456.6	459.6	477.2			
Structures.....	152.5	137.4	134.2	128.7	129.7	137.1	141.1	140.4			
Nonresidential buildings, excluding farm.....	95.2	90.8	87.3	85.7	85.0	87.4	91.3	90.0			
Public utilities.....	25.9	26.2	27.3	24.8	26.3	29.0	29.1	29.6			
Mining exploration, shafts, and wells.....	25.9	15.8	15.2	14.1	14.3	16.3	16.3	16.3			
Other <sup>1</sup> .....	5.5	4.5	4.3	4.1	4.3	4.5	4.4	4.5			
Producers' durable equipment.....	290.1	299.5	309.2	294.1	304.9	319.5	318.5	336.8			
Information processing and related equipment.....	95.0	96.5	101.1	96.6	98.6	106.3	102.9	111.3			
Industrial equipment.....	68.3	70.4	73.4	70.9	71.5	73.9	77.3	79.5			
Transportation and related equipment.....	63.8	68.2	66.7	61.7	68.1	69.5	67.6	72.7			
Other <sup>2</sup> .....	63.0	64.4	68.0	64.9	66.8	69.7	70.7	73.3			
Residential.....	189.0	218.3	228.1	225.4	227.7	227.9	231.2	227.8			
Single family structures.....	86.0	102.0	114.6	110.2	113.7	115.6	115.7	117.9			
Multifamily structures.....	29.9	32.5	27.1	29.9	27.7	25.2	25.8	23.9			
Other.....	73.1	83.8	86.4	85.3	86.4	87.1	86.8	86.0			
Change in business inventories.....	10.0	15.7	46.1	51.6	40.3	22.9	69.4	57.0			
Nonfarm.....	13.6	16.8	36.2	48.7	27.3	11.1	57.5	37.7			
Manufacturing.....	-7.8	-4.6	6.2	5.9	-3.7	12.8	10.0	17.7			
Durable goods.....	-5.4	-5.2	4.6	1.4	-1.6	9.2	9.4	13.6			
Nondurable goods.....	-2.4	.6	1.6	4.5	-2.2	3.6	.6	4.1			
Wholesale trade.....	2.8	4.0	8.3	7.4	8.1	1.4	16.4	21.6			
Durable goods.....	0	1.7	5.2	6.1	6.2	-2.7	11.3	18.8			
Nondurable goods.....	2.9	2.3	3.1	1.3	1.9	4.1	5.1	2.9			
Retail trade.....	11.2	6.9	14.6	28.3	16.9	-9.5	22.9	-8.0			
Automotive.....	6.3	.8	7.5	24.0	3.4	-13.7	16.2	-11.3			
Other durable goods.....	2.6	3.0	2.2	-2.6	7.3	-.4	4.6	-1.3			
Nondurable goods.....	2.3	3.2	4.9	6.9	6.2	4.6	2.0	4.6			
Other.....	7.4	10.5	7.0	7.2	6.0	6.4	8.2	6.4			
Farm.....	-3.6	-1.1	9.9	2.9	13.0	11.7	12.0	19.3			

1. Consists of farm buildings; streets, dams, reservoirs, sewer and water facilities, parks, airfields, etc.; brokers' commissions on sale of structures; and net purchases of used structures (see the July 1987 SURVEY, National Income and Product Accounts Tables, table 5.4, lines 18, 22, 23, and 24).

2. Consists of furniture and fixtures; agricultural, construction, mining and oilfield, and service industry machinery; electrical equipment not elsewhere classified; and other equipment; less the sale of equipment scrap other than autos (table 5.6, lines 22 through 30).

Table 2.—Gross Private Domestic Investment by Type in Constant Dollars

[Billions of 1982 dollars]

	1985	1986	1987	Seasonally adjusted at annual rates							
				1987				1988			
				I	II	III	IV	I <sup>p</sup>			
Gross private domestic investment.....	636.1	654.0	687.6	671.8	673.7	681.9	723.1	738.4			
Fixed investment.....	628.7	640.2	644.7	624.2	634.7	657.3	662.6	680.5			
Nonresidential.....	454.1	443.8	448.3	426.0	437.9	463.8	465.6	488.3			
Structures.....	149.4	130.3	124.5	120.4	120.4	127.2	129.8	128.1			
Nonresidential buildings, excluding farm.....	84.8	78.7	72.7	72.6	71.0	72.1	75.1	73.4			
Public utilities.....	24.2	24.1	24.7	22.6	23.8	26.3	26.2	26.4			
Mining exploration, shafts, and wells.....	35.3	23.5	23.3	21.7	21.8	25.0	24.8	24.5			
Other <sup>1</sup> .....	5.0	4.0	3.7	3.5	3.7	3.9	3.8	3.8			
Producers' durable equipment.....	304.8	313.5	323.9	305.6	317.5	336.6	335.8	360.3			
Information processing and related equipment.....	120.5	128.7	137.6	128.5	132.4	146.1	143.5	160.3			
Industrial equipment.....	64.2	64.7	66.2	64.4	64.7	66.6	69.0	70.2			
Transportation and related equipment.....	61.5	60.9	58.1	53.5	59.8	60.4	58.6	63.1			
Other <sup>2</sup> .....	58.6	59.2	62.0	59.1	60.7	63.6	64.7	66.6			
Residential.....	174.6	196.4	196.4	198.2	196.8	193.5	197.0	192.2			
Single family structures.....	79.4	91.4	97.8	96.4	97.3	97.2	100.2	98.5			
Multifamily structures.....	27.6	29.1	23.2	26.2	23.7	21.2	21.7	20.0			
Other.....	67.7	76.0	75.4	75.7	75.8	75.2	75.1	73.7			
Change in business inventories.....	7.4	13.8	42.9	47.6	39.0	24.6	60.5	57.9			
Nonfarm.....	12.0	15.4	32.5	43.9	22.7	12.1	51.5	38.3			
Manufacturing.....	-7.8	-5.2	5.6	5.3	-4.4	12.1	9.4	16.5			
Durable goods.....	-5.4	-5.2	4.2	1.1	-1.7	8.5	8.7	12.6			
Nondurable goods.....	-2.5	0	1.4	4.2	-2.7	3.5	.6	3.9			
Wholesale trade.....	2.5	3.7	7.0	6.6	5.6	1.6	14.2	23.1			
Durable goods.....	-1	1.7	4.9	5.7	5.6	-2.4	10.7	17.3			
Nondurable goods.....	2.6	2.1	2.1	.9	0	4.0	3.4	5.8			
Retail trade.....	10.4	6.6	13.2	25.2	15.5	-8.0	20.2	-6.8			
Automotive.....	5.8	.7	6.6	21.3	3.0	-11.9	14.1	-9.8			
Other durable goods.....	2.4	2.8	2.1	-2.5	6.8	-.3	4.3	-1.2			
Nondurable goods.....	2.1	3.0	4.5	6.4	5.7	4.2	1.9	4.2			
Other.....	7.0	10.2	6.7	6.8	6.0	6.4	7.7	5.5			
Farm.....	-4.6	-1.6	10.4	3.7	16.3	12.5	9.0	19.6			

1. Consists of farm buildings; streets, dams, reservoirs, sewer and water facilities, parks, airfields, etc.; brokers' commissions on sale of structures; and net purchases of used structures (see the July 1987 SURVEY, National Income and Product Accounts Tables, table 5.5, lines 18, 22, 23, and 24).

2. Consists of furniture and fixtures; agricultural, construction, mining and oilfield, and service industry machinery; electrical equipment not elsewhere classified; and other equipment; less the sale of equipment scrap other than autos (table 5.7, lines 22 through 30).

NOTE.—Tables 1 and 2 expand upon the detail shown for gross private domestic investment in the set of "Selected NIPA Tables" shown regularly in the SURVEY. These tables will be incorporated into the selected tables after the annual revision.

(Continued from page 9)

The reversal in transportation and public utilities profits—from a \$5 billion increase in 1986 to a \$3½ billion decline in 1987—is largely explainable by inventory costs, which increased sharply in 1987 after a sharp decline in 1986; neither year's change was fully passed on to purchasers. Within transportation and public utilities, the 1987 cost increase (and the 1986 cost decline) was concentrated in electric utilities. A similar explanation applies to the reversal in trade profits, which declined \$1½ billion in

1987 after increasing \$½ billion in 1986. Within trade, 1987 inventory cost increases were largest at the wholesale level.

Domestic profits of financial corporations increased \$1 billion in 1987; profits of property/casualty insurers more than accounted for the increase as they had the \$8 billion increase in 1986. In 1986, profits of property/casualty insurers increased very sharply, as a moderate increase in investment income was reinforced by a sharp reduction in underwriting losses. (Premiums increased 20 percent in 1986, while claims and related expenses in-

creased 13 percent.) In 1987, both the increase in investment income and the reduction in underwriting losses were substantially smaller.

Profits from the rest of the world increased \$3 billion in 1987, as increased receipts more than offset increased payments. In both receipts and payments, increases were widespread. Within receipts, however, the increase in profits of motor vehicle manufacturing affiliates in Europe was especially large; within payments, affiliates in the petroleum and chemical industries registered large increases.

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

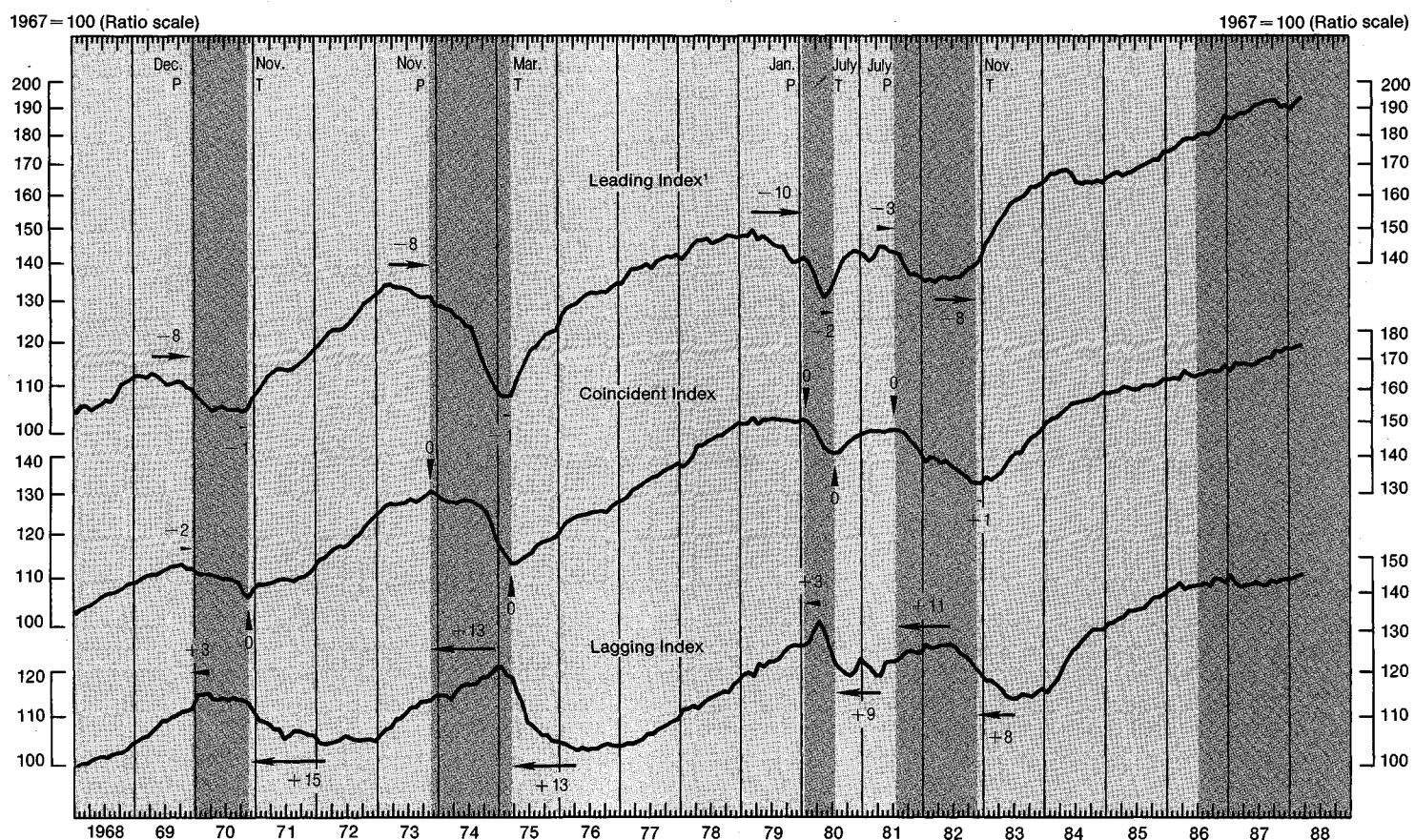
### Recent Data and Percent Changes

Index	1987												1988			1987		1988
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. <sup>p</sup>	II	III	IV	I <sup>p</sup>		
Index (1967=100)																		
Leading index.....	187.6	188.7	190.7	191.1	192.0	192.4	192.4	190.0	190.6	189.2	191.7	193.3	189.0	191.8	191.0	191.4		
Coincident index.....	168.0	167.6	168.0	169.4	170.0	170.1	172.5	172.0	173.4	173.0	174.0	174.5	167.9	169.8	172.6	173.8		
Lagging index.....	141.8	142.0	142.6	141.9	141.6	143.1	142.5	143.3	143.5	143.6	144.3	144.9	142.1	142.2	143.1	144.3		
Percent change from preceding month (quarter)																		
Leading index.....	.0	.6	1.1	.2	.5	.2	.0	-1.2	.3	-.7	1.3	.8	1.4	1.5	-.4	.2		
Coincident index.....	0	-.2	.2	.8	.4	.1	1.4	-.3	.8	-.2	.6	.3	.4	1.1	1.6	.7		
Lagging index.....	.4	.1	.4	-.5	-.2	1.1	-.4	.6	.1	.1	.5	.4	-.4	.1	.6	.8		

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

NOTE.—Quarterly data are averages of monthly figures. Quarterly percent changes are computed from quarterly data.

### Long-Term Perspective: January 1968 to March 1988



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.

1. Beginning with data for January 1984, the net business formation component has been suspended from this index.

By MILO O. PETERSON

## Gross Product by Industry, 1987

REAL GNP increased 2.9 percent in 1987, the same as in 1986. All domestic industries contributed to the 1987 increase. The largest percentage increases were in services and in manufacturing, both durables and nondurables. Services increased slightly less than in 1986; manufacturing, especially nondurables, increased more than in 1986. Construction as well as finance, insurance, and real estate also showed larger-than-average percentage increases in 1987. The remaining private industries showed smaller-than-average percentage increases in 1987. Mining increased 1.8 percent, in contrast to a 9.6-percent decrease in 1986. Three industries—agriculture, forestry, and fisheries; wholesale trade; and retail trade—showed smaller increases in 1987 than in 1986.

Real GNP originating in the rest of the world decreased substantially in both 1987 and 1986. This part of GNP is the production abroad attributable to factors of production supplied by U.S. residents less production in the United States attributable to factors of production supplied by foreign residents. It is measured as receipts by U.S. residents from foreigners of employee compensation, interest, and dividends and of reinvested earnings of foreign affiliates of U.S. corpora-

tions, less corresponding payments to foreign residents. In both years, the decreases in rest-of-the-world GNP were more than accounted for by interest: Interest payments increased, moderately in 1986 and substantially in 1987; interest receipts decreased in 1986.

The industry estimates for 1987, as well as those for 1985 and 1986, will be revised as part of the upcoming annual revision of the national

income and product accounts. The revised estimates, with more industry detail, will appear in the July 1988 SURVEY OF CURRENT BUSINESS (tables 6.1 and 6.2 in the national income and product accounts tables).

A summary statement defining gross product by industry appeared in the April 1987 SURVEY (pp. 26-27). The statement also describes the sources and methods used to derive the estimates.

Table 1.—Gross National Product by Industry in Current and Constant Dollars

	Billions of current dollars			Billions of constant (1982) dollars			Percent change from preceding year			
	1985	1986	1987	1985	1986	1987	Current dollars		Constant dollars	
							1986	1987	1986	1987
Gross national product.....	4,010.3	4,235.0	4,488.5	3,607.5	3,713.3	3,821.0	5.6	6.0	2.9	2.9
Domestic industries (gross domestic product).....	3,970.5	4,201.3	4,461.2	3,571.5	3,683.5	3,797.6	5.8	6.2	3.1	3.1
Private industries.....	3,498.8	3,699.6	3,924.5	3,180.7	3,288.1	3,386.3	5.7	6.1	3.4	3.0
Agriculture, forestry, and fisheries.....	90.6	93.0	98.8	93.6	100.4	101.0	2.7	6.2	7.3	.6
Mining.....	118.2	95.3	95.3	130.6	118.1	120.3	-19.4	0	-9.6	1.8
Construction.....	184.4	197.9	208.7	164.2	168.3	173.5	7.3	5.5	2.5	3.1
Manufacturing.....	799.3	824.3	861.2	790.3	812.2	843.1	3.1	4.5	2.8	3.8
Durable goods.....	469.9	478.5	495.0	501.4	517.7	537.3	1.8	3.4	3.2	3.8
Nondurable goods.....	329.3	345.8	366.2	288.9	294.4	305.8	5.0	5.9	1.9	3.8
Transportation and public utilities.....	376.2	391.4	406.9	325.0	328.8	338.0	4.0	4.0	1.0	1.4
Wholesale trade.....	281.5	294.6	310.8	268.9	282.4	290.2	4.7	5.5	5.1	2.8
Retail trade.....	382.2	407.9	429.8	343.3	362.2	369.7	6.7	5.4	5.5	2.1
Finance, insurance, and real estate.....	622.8	695.0	755.1	523.6	551.3	568.6	11.6	8.6	5.3	3.1
Services.....	643.7	700.2	757.9	541.3	564.9	586.9	8.8	8.2	4.4	3.9
Government and government enterprises.....	477.4	506.6	541.2	399.0	405.4	410.1	6.1	6.8	1.6	1.2
Rest of the world.....	39.8	33.7	27.4	36.0	29.8	23.4	-15.1	-18.9	-17.2	-21.2

# Plant and Equipment Expenditures, First and Second Quarters and Second Half of 1988

**B**USINESS plans to spend \$423.0 billion for new plant and equipment (P&E) in 1988, 8.8 percent more than in 1987, according to the BEA survey conducted in January through March (tables 1 and 2, and chart 8).<sup>1</sup> Spending was \$388.6 billion in 1987, 2.4 percent more than in 1986.

1. The survey covers expenditures for new facilities and for repair, expansion, or replacement of existing facilities that are chargeable to fixed asset accounts and for which depreciation or amortization accounts are ordinarily maintained. The survey excludes expenditures for land and mineral rights; maintenance and repair that are not capitalized; used plant and equipment, including that purchased or acquired through mergers or acquisitions; assets located in foreign countries; residential structures; and a few other items.

The estimates presented are universe totals of domestic P&E expenditures for all industries surveyed quarterly, which account for nearly 90 percent of capital spending by U.S. nonfarm business. Sample data are compiled from reports on a company basis, not from separate reports for plants or establishments. A company's capital expenditures are assigned to a

The latest estimate of planned spending for 1988 is \$4.0 billion higher than that reported in December for the survey conducted in October and November. The previous survey showed planned spending of \$419.0 billion for 1988, 7.3 percent more than in 1987.<sup>2</sup> The year-to-year increase indicated in the latest survey

single industry in accordance with the industry classification of the company's principal product or service. P&E expenditures differ from nonresidential fixed investment, which is a component of GNP, in type of detail, data sources, coverage, and timing. For further information, see pages 24-25 of the February 1985 SURVEY OF CURRENT BUSINESS.

2. The estimates of planned spending have been adjusted for systematic reporting biases. The bias adjustments are calculated by industry for each planning horizon. For a given time period, the bias-adjustment factor is the median of the ratios of planned to actual expenditures for that time period in the preceding 8 years. Before adjustments, 1988 planned spending was \$426.44 billion for "all industries," \$169.26 billion for manufacturing, and \$257.18 billion for nonmanufacturing industries surveyed quarterly.

is larger than that reported in the previous survey, not only because 1988 planned spending was revised up, but also because 1987 actual spending was lower than had been planned. All published industries except motor vehicles now plan increases for 1988.

Real spending—capital spending adjusted to remove price changes—is estimated to increase 8.0 percent in 1988. Real spending increased 1.7 percent in 1987, following a decline of 2.6 percent in 1986 (tables 2 and 3). Estimates of real spending are calculated

In this article, estimates of P&E expenditures from the latest survey do not include nonmanufacturing industries surveyed only annually; estimates for these industries will appear in the June SURVEY article.

Table 1.—New Plant and Equipment Expenditures by Business  
[Percent change from preceding year]

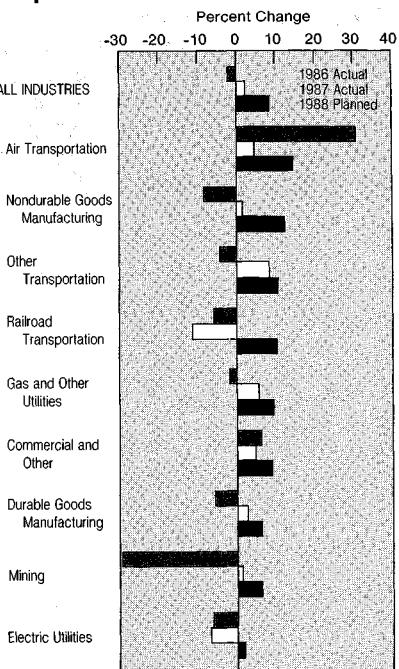
	1986		1987		1988
	Actual	Planned Jan.-Mar. 1987 survey	Actual	Planned Oct.-Nov. 1987 survey	Planned Jan.-Mar. 1988 survey
All industries <sup>1</sup> .....	-2.0	3.0	2.4	7.3	8.8
Manufacturing .....	-7.0	1.5	1.9	8.1	9.8
Durable goods .....	-5.6	2.2	2.6	3.0	6.8
Primary metals <sup>2</sup> .....	-8.0	24.0	20.8	12.5	15.1
Blast furnaces, steel works .....	-19.4	39.3	39.2	14.1	17.8
Nonferrous metals .....	3.0	15.1	10.7	13.0	16.9
Fabricated metals .....	12.1	2.2	2	1.3	10.0
Electrical machinery .....	-8.4	13.2	7.7	5.6	11.8
Machinery, except electrical .....	-14.9	7.4	1.2	1.3	5.2
Transportation equipment <sup>2</sup> .....	-3.0	9.5	-11.3	-2.9	-2.4
Motor vehicles .....	-4.6	-10.2	-18.8	-3.3	-4.8
Aircraft .....	10.0	-11.2	-6.6	-3.9	1.5
Stone, clay, and glass .....	-7.7	7.1	7.0	-1.9	2.6
Other durables .....	7.6	6.8	11.7	5.6	10.1
Nondurable goods .....	-8.3	.8	1.3	13.0	12.6
Food including beverage .....	2.6	4.6	4.1	7.8	10.6
Textiles .....	-5.9	8.7	17.0	.7	4.5
Paper .....	2.0	-2.9	1.8	25.3	26.5
Chemicals .....	2.3	-.6	-2.6	10.3	8.4
Petroleum .....	-32.9	-10.6	-5.5	11.8	11.1
Rubber .....	.8	-7.5	-9.5	2.5	4.3
Other nondurables .....	11.1	17.1	13.7	17.6	14.9
Nonmanufacturing <sup>1</sup> .....	1.3	4.0	2.7	6.8	8.3
Mining .....	-29.4	-10.2	1.1	6.0	6.4
Transportation .....	4.3	1.7	.2	8.0	11.9
Railroad .....	-6.0	-7.3	-11.3	3.8	10.2
Air .....	30.5	3.6	4.7	16.4	14.7
Other .....	-4.2	9.9	8.5	3.4	10.6
Public utilities .....	-5.0	-.5	-3.5	1.1	4.0
Electric .....	-6.1	-4.0	-6.9	-2.0	1.8
Gas and other .....	-1.8	8.9	5.7	8.8	9.3
Commercial and other .....	6.3	6.5	4.9	8.2	9.1

1. Surveyed quarterly.

2. Includes industries not shown separately.

CHART 8

## New Plant and Equipment Expenditures



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

88-4-8

Table 2.—New Plant and Equipment Expenditures by Business in Current and Constant Dollars

	Billions of dollars; quarters seasonally adjusted at annual rates											
	1986	1987	1988 <sup>1</sup>	1986		1987				1988		
				III	IV	I	II	III	IV	I <sup>1</sup>	II <sup>1</sup>	2d half <sup>1</sup>
All industries <sup>2</sup>	379.47	388.60	422.96	375.50	386.09	374.23	377.65	393.13	409.37	422.75	427.09	421.00
Manufacturing	142.69	145.46	159.68	139.43	144.07	140.65	140.79	147.56	152.84	161.13	161.45	158.06
Durable goods	69.14	70.91	75.75	69.42	69.87	70.47	68.76	71.78	72.64	80.13	76.92	72.96
Primary metals <sup>3</sup>	7.13	8.62	9.92	6.68	7.10	7.78	8.16	9.10	9.42	10.47	10.38	9.41
Blast furnaces, steel works	3.32	4.63	5.45	3.18	3.27	4.11	4.31	4.86	5.22	6.05	5.90	4.92
Nonferrous metals	1.93	2.14	2.50	1.79	2.03	1.73	2.10	2.36	2.36	2.52	2.62	2.43
Fabricated metals	4.00	4.01	4.41	3.89	3.99	4.01	3.89	3.92	4.23	4.45	4.53	4.33
Electrical machinery	14.17	15.26	17.06	14.09	14.92	14.99	14.59	15.97	15.48	17.27	17.34	16.81
Machinery, except electrical	13.61	13.77	14.49	13.37	13.44	13.07	12.98	14.04	14.99	15.55	15.49	13.47
Transportation equipment <sup>3</sup>	18.88	16.74	16.33	20.19	18.09	18.62	17.40	15.41	15.51	18.60	16.02	15.35
Motor vehicles	13.95	12.02	11.45	15.54	12.96	13.93	12.52	10.75	10.89	18.58	11.14	10.54
Aircraft	3.80	3.55	3.60	3.58	3.92	3.57	3.70	3.52	3.40	3.86	3.56	3.49
Stone, clay, and glass	3.14	3.36	3.45	3.06	3.56	3.21	3.22	3.65	3.37	3.66	3.51	3.31
Other durables <sup>4</sup>	8.20	9.16	10.09	8.15	8.76	8.78	8.52	9.69	9.64	10.13	9.65	10.28
Nondurable goods	73.56	74.55	83.93	70.01	74.20	70.18	72.03	75.78	80.20	81.00	84.53	85.10
Food including beverage	10.60	11.04	12.20	10.74	11.22	11.25	10.77	10.80	11.34	12.46	12.38	11.99
Textiles	1.67	1.95	2.04	1.51	1.89	1.86	2.10	1.83	2.01	2.05	1.37	
Paper	8.77	8.92	11.29	8.71	8.57	8.06	8.77	8.84	10.02	10.26	11.57	11.66
Chemicals	16.81	16.37	17.75	16.66	17.87	15.24	16.00	17.27	16.97	17.50	18.00	17.76
Petroleum	17.92	16.94	18.81	14.57	16.76	15.08	15.14	17.39	20.14	17.49	17.61	20.07
Rubber	3.89	3.52	3.67	3.78	3.81	3.22	3.70	3.72	3.43	3.66	3.76	3.64
Other nondurables <sup>5</sup>	13.90	15.81	18.17	14.05	14.60	15.47	15.54	15.92	16.28	17.57	19.05	18.02
Nonmanufacturing <sup>2</sup>	236.78	243.14	263.28	236.07	242.02	233.58	236.87	245.58	256.53	261.62	265.64	262.93
Mining	11.22	11.34	12.07	10.14	10.31	10.31	11.02	11.64	12.39	12.26	12.41	11.81
Transportation	18.80	18.85	21.09	18.81	19.50	18.98	17.67	19.17	19.57	22.49	20.44	20.72
Railroad	6.66	5.91	6.51	7.02	6.41	5.55	5.77	6.21	6.10	7.29	6.31	6.22
Air	6.26	6.55	7.52	5.78	6.84	7.46	5.72	5.91	7.12	7.72	7.34	7.51
Other	5.89	6.39	7.06	6.01	6.25	5.97	6.19	7.05	6.35	7.48	6.80	6.99
Public utilities	46.38	44.76	46.55	45.81	46.12	43.60	43.48	44.90	47.07	46.15	46.88	46.60
Electric	33.91	31.58	32.13	33.81	33.78	30.85	31.13	31.31	33.01	31.59	33.01	31.97
Gas and other	12.47	13.18	14.41	12.00	12.34	12.75	12.35	13.58	14.06	14.56	13.82	14.63
Commercial and other	160.38	168.19	183.57	161.31	166.08	160.70	164.69	169.87	177.50	180.72	185.97	183.80
Wholesale and retail trade	55.46	58.09	56.33	58.09	56.13	57.18	57.33	61.77				
Finance and insurance	43.79	47.98	45.49	46.63	45.12	46.16	48.98	51.70				
Personal and business services <sup>6</sup>	28.20	30.02	28.25	28.74	28.79	30.02	30.77	30.50				
Communication	32.93	32.10		31.24	32.61	30.66	31.38	32.88	33.52			
Addenda: <sup>7</sup>												
Total nonfarm business <sup>8</sup>	427.23											
Manufacturing	142.69	145.46	159.68	139.43	144.07	140.65	140.79	147.56	152.84	161.13	161.45	158.06
Nonmanufacturing	284.54											
Surveyed quarterly	236.78	243.14	263.28	236.07	242.02	233.58	236.87	245.58	256.53	261.62	265.64	262.93
Surveyed annually <sup>9</sup>	47.75											
Billions of 1982 dollars; quarters seasonally adjusted at annual rates <sup>10</sup>												
All industries <sup>2</sup>	382.40	388.72	419.91	376.42	386.76	374.49	376.95	394.54	408.88	420.52	424.46	417.34
Manufacturing	146.99	148.57	161.84	142.43	147.23	143.61	143.36	151.42	155.87	163.43	163.59	160.18
Durable goods	70.60	72.06	76.75	70.66	70.95	71.51	69.70	73.30	78.75	81.20	78.08	73.88
Primary metals <sup>3</sup>	7.02	8.37		6.57	6.96	7.58	7.93	8.87	9.10			
Blast furnaces, steel works	3.21	4.40		3.07	3.14	3.94	4.11	4.63	4.94			
Nonferrous metals	1.97	2.17		1.88	2.06	1.76	2.18	2.40	2.39			
Fabricated metals	3.93	3.90		3.81	3.89	3.91	3.78	3.81	4.09			
Electrical machinery	14.65	15.71		14.53	15.33	15.42	14.98	16.53	15.92			
Machinery, except electrical	14.79	15.05		14.50	14.55	14.21	14.12	15.47	16.42			
Transportation equipment <sup>3</sup>	18.99	16.76		20.21	18.13	18.61	17.39	15.54	15.52			
Motor vehicles	13.74	11.75		15.28	12.70	13.63	12.22	10.54	10.60			
Aircraft	4.08	3.82		3.83	4.19	3.82	3.96	3.82	3.67			
Stone, clay, and glass	3.05	3.22		2.96	3.43	3.09	3.08	3.50	3.20			
Other durables <sup>4</sup>	8.18	9.05		8.08	8.66	8.68	8.41	9.59	9.50			
Nondurable goods	76.38	76.50	85.10	71.77	76.28	72.10	73.66	78.12	82.12	82.23	85.57	86.29
Food including beverage	10.01	10.21		10.10	10.51	10.48	9.98	9.98	10.38			
Textiles	1.59	1.82		1.44	1.78	1.74	1.96	1.71	1.85			
Paper	8.76	8.80		8.67	8.50	7.97	8.65	8.75	9.82			
Chemicals	17.00	16.39		16.77	17.94	15.31	16.00	17.34	16.90			
Petroleum	20.86	19.75		16.65	19.38	17.65	17.61	20.88	23.87			
Rubber	3.73	3.32		3.61	3.14	3.06	3.49	3.51	3.21			
Other nondurables <sup>5</sup>	14.43	16.22		14.53	15.08	15.88	15.97	16.45	16.59			
Nonmanufacturing <sup>2</sup>	235.41	240.15	258.07	233.99	239.52	230.88	233.58	243.12	253.01	257.09	260.86	257.16
Mining	13.54	13.77	14.38	11.99	12.43	12.49	13.32	14.23	15.05	14.68	14.72	14.06
Transportation	17.14	16.84	18.45	17.08	17.62	17.12	15.86	17.05	17.33	19.81	17.92	18.03
Public utilities	43.34	41.13	41.90	42.73	42.88	40.40	40.08	41.17	42.90	41.86	42.26	41.75
Commercial and other	161.39	168.41	183.34	162.19	166.59	160.87	164.37	170.67	177.73	180.74	185.96	183.83
Wholesale and retail trade	54.60	56.52		55.18	56.81	54.84	55.45	55.98	59.88			
Finance and insurance	50.60	56.00		52.50	53.87	52.16	53.59	57.61	60.63			
Personal and business services <sup>6</sup>	27.06	28.24		27.03	27.34	27.23	28.25	28.93	28.54			
Communication	29.13	27.65		27.48	28.57	26.64	27.08	28.20	28.68			
Addenda: <sup>7</sup>												
Total nonfarm business <sup>8</sup>	431.95											
Manufacturing	146.99	148.57	161.84	142.43	147.23	143.61	143.36	151.42	155.87	163.43	163.59	160.18
Nonmanufacturing	284.96											
Surveyed quarterly	235.41	240.15	258.07	233.99	239.52	230.88	233.58	243.12	253.01	257.09	260.86	257.16
Surveyed annually <sup>9</sup>	49.55											

1. Estimates are based on planned capital expenditures reported by business in January through March 1988. The planned expenditures are adjusted for systematic biases in reporting. The adjustment procedures are described in the February 1985 SURVEY OF CURRENT BUSINESS. Before bias adjustment, current-dollar plans for 1988 were \$426.44 billion for "all industries," \$

Table 3.—New Plant and Equipment Expenditures by Business in Constant (1982) Dollars

[Percent change from preceding year]

	1986		1987		1988	
	Actual	Planned Jan.-Mar. 1987 survey	Actual	Planned Oct.-Nov. 1987 survey	Planned Jan.-Mar. 1988 survey	
All industries <sup>1</sup> .....	-2.6	1.8	1.7	7.3	8.0	
Manufacturing.....	-7.8	.1	1.1	8.6	8.9	
Durable goods.....	-5.4	1.3	2.1	9.4	6.5	
Nondurable goods.....	-9.8	-.9	.2	13.4	11.2	
Nonmanufacturing <sup>1</sup> .....	1.0	2.8	2.0	6.5	7.5	
Mining.....	-29.7	-12.4	1.7	6.3	4.4	
Transportation.....	2.5	-.3	-1.7	5.8	9.5	
Public utilities.....	-6.0	-1.3	-5.1	-.6	1.9	
Commercial and other.....	6.9	5.6	4.3	8.3	8.9	

1. Surveyed quarterly.

from survey data on current-dollar spending and from estimated capital goods price deflators developed by BEA.<sup>3</sup> The capital goods deflator for "all industries" is projected by BEA to increase 0.8 percent in 1988; the deflator increased 0.7 percent in 1987 and 0.6 percent in 1986.

Survey respondents, in contrast, expect an increase of 4.2 percent in the prices of capital goods purchased in 1988; they had expected a 3.7-percent increase for 1987 in the year-earlier survey (table 4). Respondents have consistently expected larger capital goods price changes than have been indicated by the BEA capital goods price deflator for "all industries." In 13 of the 17 years for which data are available, respondents' expectations of capital goods price increases have exceeded—by an average of almost 3 percentage points—the changes in the capital goods price deflator.

Current-dollar spending in the fourth quarter of 1987 increased 4.1 percent, to an annual rate of \$409.4 billion, following a 4.1-percent increase in the third. Fourth-quarter spending was 1.9 percent lower than anticipated in the previous survey; a 5.9-percent downward revision in manufacturing industries more than offset a 0.7-percent upward revision in nonmanufacturing industries. Plans reported in the latest survey indicate a 3.3-percent increase in the first

quarter of 1988, a 1.0-percent increase in the second, and a 0.9-percent decline from the first half of 1988 to the second.

Real spending increased 3.6 percent in the fourth quarter of 1987, following a 4.7-percent increase in the third. Estimates indicate a 2.8-percent increase in the first quarter of 1988, a 0.9-percent increase in the second, and a 1.2-percent decline from the first half of 1988 to the second.

The large increase in capital spending in the fourth quarter of 1987 and the upward revision in 1988 spending plans occurred when indicators of future investment activity were mixed. In the fourth quarter, several indicators of future demand were favorable to new investment: The third consecutive quarterly increases in both new orders of durable goods and new orders of nondefense capital goods; an increase in net new capital appropriations, following a decline in the third quarter and large increases in the first and second; and the fifth consecutive quarterly increase in the manufacturing capacity utilization rate, to its highest level since the first quarter of 1980. Developments in the fourth quarter less favorable to new investment included declines in domestic corporate profits, both before and after tax. The decline in profits before tax followed six consecutive quarterly increases, and the decline in profits after tax followed two consecutive quarterly increases. A related measure—domestic corporate net cash flow—also declined, following two consecutive quarterly increases. In addition, interest rates as measured by Moody's corporate bond yield increased for the third consecutive quarter, following 11 consecutive quarterly declines.

3. Specifically, the current-dollar figures reported by survey respondents are adjusted using implicit price deflators developed for each industry from unpublished detail on current- and constant-dollar nonresidential fixed investment in the national income and product accounts. To estimate real spending, the implicit price deflator for each industry is projected using the deflator's growth over the latest four quarters for which it is available.

Table 4.—Prices of Capital Goods Purchased

[Percent change from preceding year]

	Reported in January-March 1987 survey		Reported in January-March 1988 survey	
	Actual 1986	Expected 1987	Actual 1987	Expected 1988
All industries.....	3.6	3.7	3.8	4.2
Manufacturing.....	3.3	3.6	3.7	4.0
Durable goods.....	3.2	3.4	3.6	3.8
Nondurable goods.....	3.4	3.7	3.8	4.2
Nonmanufacturing.....	3.8	3.8	3.9	4.3
Mining.....	.3	1.8	2.9	3.7
Transportation.....	2.6	2.6	3.9	4.1
Public utilities.....	3.6	3.2	3.4	3.8
Commercial and other.....	4.2	4.3	4.1	4.5

## Manufacturing Programs

In manufacturing, current-dollar spending increased 3.6 percent in the fourth quarter of 1987, to an annual rate of \$152.8 billion, following a 4.8-percent increase in the third. Durable goods increased 1.2 percent in the fourth quarter, and nondurables increased 5.8 percent. Manufacturers plan a 5.4-percent increase in the first quarter of 1988, a 0.2-percent increase in the second, and a 2.0-percent decline from the first half of 1988 to the second.

For the year 1988, manufacturers plan to spend \$159.7 billion, 9.8 percent more than in 1987; in the previous survey, a planned increase of 8.1 percent was reported. Manufacturers' spending increased 1.9 percent in 1987, following a 7.0-percent decline in 1986.

Durable goods industries plan a 6.8-percent increase for 1988; the largest planned increases are in blast furnaces-steel works and nonferrous metals. Increases of 10 percent or more are also planned in electrical machinery, "other durables," and fabricated metals. Smaller increases are planned in machinery (except electrical), stone-clay-glass, and aircraft. A 4.8-percent decline is planned in motor vehicles. Nondurable goods industries plan a 12.6-percent increase for 1988; the largest planned increase is in paper. Increases of more than 10 percent are also planned in "other nondurables," petroleum, and food-beverage. Smaller increases are planned in chemicals, textiles, and rubber.

Real spending by manufacturers is estimated to increase 8.9 percent for 1988—6.5 percent in durables and 11.2 percent in nondurables. In 1987,

real spending increased 1.1 percent—2.1 percent in durables and 0.2 percent in nondurables.

### Nonmanufacturing Programs

In nonmanufacturing, current-dollar spending increased 4.5 percent in the fourth quarter of 1987, to an annual rate of \$256.5 billion, following a 3.7-percent increase in the third. Nonmanufacturing industries plan a 2.0-percent increase in the first quarter of 1988, a 1.5-percent increase in the second, and a 0.3-percent decline from the first half of 1988 to the second.

For the year 1988, nonmanufacturing industries plan to spend \$263.3 billion, 8.3 percent more than in 1987;

in the previous survey, a planned increase of 6.8 percent was reported. Nonmanufacturing industries' spending increased 2.7 percent in 1987, following a 1.3-percent increase in 1986. For 1988, increases of more than 10 percent are planned in air transportation, "other transportation," and railroads. Other large increases are planned in gas utilities and "commercial and other"; smaller increases are planned in mining and electric utilities.

Real spending by nonmanufacturing industries is estimated to increase 7.5 percent in 1988; it increased 2.0 percent in 1987. For 1988, the largest increases are in transportation and "commercial and other." Smaller increases are estimated in mining and public utilities.

Table 5.—Expenditures for New Plant and for New Equipment by Business in Current and Constant Dollars

	Billions of dollars		Percent change from preceding year		Billions of 1982 dollars		Percent change from preceding year	
	1986	1987	1986	1987	1986	1987	1986	1987
All industries <sup>1</sup> .....	379.47	388.60	-2.0	2.4	382.40	388.72	-2.6	1.7
Plant.....	119.45	118.37	-5.2	.9	112.32	108.49	-8.9	-3.4
Equipment.....	260.03	270.23	-4	3.9	270.07	280.23	.4	3.8
Manufacturing.....	142.69	145.46	-7.0	1.9	146.99	148.57	-7.8	1.1
Plant.....	34.44	34.54	-11.9	.3	34.14	33.35	-15.8	-2.3
Equipment.....	108.25	110.92	-5.4	2.5	112.85	115.22	-5.0	2.1
Durable goods.....	69.14	70.91	-5.6	2.6	70.60	72.06	-5.4	2.1
Plant.....	11.92	12.44	-3.1	4.4	10.31	10.35	-6.1	.4
Equipment.....	57.22	58.47	-6.1	2.2	60.30	61.71	-5.3	2.3
Nondurable goods.....	73.56	74.55	-8.3	1.3	76.88	76.50	-9.8	.2
Plant.....	22.53	22.09	-15.9	-1.9	23.83	23.00	-19.4	-3.5
Equipment.....	51.03	52.45	-4.5	2.8	52.55	53.51	-4.7	1.8
Nonmanufacturing <sup>1</sup> .....	236.78	243.14	1.3	2.7	235.41	240.15	1.0	2.0
Plant.....	85.00	88.88	-2.1	-1.4	78.19	75.14	-5.6	-3.9
Equipment.....	151.78	159.31	3.4	5.0	157.22	165.01	4.6	5.0
Mining.....	11.22	11.34	-29.4	1.1	13.54	13.77	-29.8	1.7
Plant.....	5.24	5.39	-38.6	2.7	7.57	7.89	-35.8	4.3
Equipment.....	5.97	5.95	-18.6	-3	5.97	5.88	-20.2	-1.6
Transportation.....	18.80	18.85	4.3	.2	17.14	16.84	2.5	-1.7
Plant.....	6.95	6.62	-3.3	-4.8	6.18	5.71	-5.5	-6.8
Equipment.....	11.85	12.23	9.4	3.2	11.01	11.13	7.5	1.1
Public utilities.....	46.38	44.76	-5.0	-3.5	43.84	41.18	-6.0	-5.1
Plant.....	26.40	24.27	-9.2	-8.0	24.09	21.74	-10.5	-9.8
Equipment.....	19.99	20.49	1.3	2.5	19.25	19.39	.2	.7
Commercial and other.....	160.38	168.19	6.3	4.9	161.39	168.41	6.9	4.4
Plant.....	46.41	47.55	10.4	2.5	40.40	39.79	7.4	-1.5
Equipment.....	113.97	120.64	4.7	5.9	120.99	128.62	6.7	6.3
Addenda: <sup>2</sup>								
Total nonfarm business <sup>3</sup> .....	427.23	.....	-1.1	.....	431.95	.....	-1.5	.....
Plant.....	149.98	.....	-2.8	.....	142.19	.....	-5.9	.....
Equipment.....	277.24	.....	-1	.....	289.76	.....	.8	.....
Manufacturing.....	142.69	145.46	-7.0	1.9	146.99	148.57	-7.8	1.1
Plant.....	34.44	34.54	-11.9	.3	34.14	33.35	-15.8	-2.3
Equipment.....	108.25	110.92	-5.4	2.5	112.85	115.22	-5.0	2.1
Nonmanufacturing.....	284.54	.....	2.2	.....	284.96	.....	2.1	.....
Plant.....	115.54	.....	.2	.....	108.05	.....	-2.3	.....
Equipment.....	169.00	.....	3.6	.....	176.91	.....	5.0	.....
Surveyed quarterly.....	236.78	243.14	1.3	2.7	235.41	240.15	1.0	2.0
Plant.....	85.00	88.88	-2.1	-1.4	78.19	75.14	-5.6	-3.9
Equipment.....	151.78	159.31	3.4	5.0	157.22	165.01	4.6	5.0
Surveyed annually <sup>4</sup> .....	47.75	.....	6.6	.....	49.55	.....	7.8	.....
Plant.....	30.54	.....	7.5	.....	29.86	.....	7.7	.....
Equipment.....	17.22	.....	5.0	.....	19.69	.....	8.1	.....

1. Surveyed quarterly.

2. The 1987 estimates for the nonmanufacturing industries surveyed only annually will be released in June.

3. "All industries" plus the part of nonmanufacturing that is surveyed annually.

4. Consists of real estate; professional services; membership organizations and social services; and forestry, fisheries, and agricultural services.

### Other Highlights

In the January-March survey, respondents were also asked to provide information on the breakdown between plant and equipment expenditures, sales expectations, and the prices of products and services sold; respondents in the petroleum industry were also asked to provide a breakdown of capital spending by function. Highlights include:

- Current-dollar spending for new plant declined 0.9 percent in 1987, while spending for new equipment increased 3.9 percent. Real spending for plant declined 3.4 percent, while real spending for equipment increased 3.8 percent (table 5).

- Manufacturers expect a 6.8-percent increase in sales for 1988, following a 6.0-percent increase in 1987; they had expected a 7.0-percent increase for 1987. In nonmanufacturing, trade firms expect a 6.8-percent increase for 1988, following a 6.6-percent increase; they had expected a 6.7-percent increase for 1987. Public utility firms expect a 4.2-percent increase for 1988, following a 3.8-percent decline; they had expected a 0.4-percent increase for 1987 (table 6).

Table 6.—Business Sales

[Percent change from preceding year]

	1986	1987	1988	
	Actual <sup>1</sup>	Expected <sup>2</sup>	Actual <sup>1</sup>	Expected <sup>3</sup>
Manufacturing.....	-0.3	7.0	6.0	6.8
Durable goods <sup>4</sup> .....	1.2	6.6	5.2	6.6
Primary metals.....	-7.8	8.2	9.6	7.8
Fabricated metals.....	-2.6	6.0	-1.3	4.8
Electrical machinery.....	6.7	12.1	9.0	8.9
Machinery, except electrical.....	-4.3	9.0	3.4	10.8
Transportation equipment.....	4.2	1.8	3.0	1.7
Stone, clay, and glass.....	3.1	3.9	7.4	2.5
Nondurable goods <sup>4</sup> .....	-1.9	7.3	6.8	7.0
Food including beverage.....	4.3	7.4	6.4	6.3
Textiles.....	2.5	5.9	3.6	5.3
Paper.....	11.2	10.1	14.4	8.8
Chemicals.....	.5	7.0	8.2	5.9
Petroleum.....	-27.8	5.5	.4	4.8
Rubber.....	1.2	5.6	9.3	11.9
Trade.....	2.8	6.7	6.6	6.8
Wholesale.....	4	6.0	9.2	6.8
Retail.....	5.2	7.4	4.2	6.9
Public utilities.....	-9.6	.4	-3.8	4.2

1. Manufacturing data are from the Bureau of the Census, Current Industrial Reports, Series M-3. Trade data are from the Bureau of the Census, Current Business Reports, Monthly Wholesale Trade and Monthly Retail Trade. Public utility figures are estimated by BEA from data collected annually in the P&E survey.

2. Expectations for 1987 are based on the survey conducted in January through March 1987.

3. Expectations for 1988 are based on the survey conducted in January through March 1988.

4. Includes industries not shown separately.

## SURVEY OF CURRENT BUSINESS

April 1988

• Manufacturers expect a 3.5-percent increase in the prices of products and services they sell for 1988. They reported a 3.3-percent increase for 1987; they had expected a 3.2-percent increase. Public utility firms expect a 1.5-percent increase for 1988. They reported a 3.1-percent decline for 1987; they had expected a 0.7-percent decline (table 7).

• Petroleum manufacturing firms expect to increase spending in all functions for 1988; the largest increases are planned in transportation, marketing, and refining and petrochemicals. In 1987, when total capital

spending by the petroleum industry declined, spending declined in all functions except marketing (table 8).

**Table 7.—Prices of Products and Services Sold by Manufacturing and Utility Companies**

[Percent change from preceding year]

	Reported in January–March 1987 survey		Reported in January–March 1988 survey		1987	1988
	Actual 1986	Expected 1987	Actual 1987	Expected 1988		
Manufacturing	1.4	3.2	3.3	3.5		
Durable goods	2.4	2.5	2.9	3.3		
Nondurable goods	.3	3.9	3.8	3.8		
Public utilities	-3.4	-.7	-3.1	1.5		

**Table 8.—Petroleum Industry Expenditures for New Plant and Equipment, by Function**

	Billions of dollars		Percent change from preceding year	
	Actual	Planned	1987	1988
1986	1987	1988 <sup>1</sup>	—5.5	11.1
Total	17.92	16.94	18.81	
Production	9.03	7.94	8.49	-12.0
Transportation	.68	.42	.54	-37.8
Refining and petrochemicals	2.35	2.29	2.61	-2.6
Marketing	1.76	2.32	2.86	32.1
Other	4.10	3.96	4.31	-3.4

1. The reported plans are adjusted for biases when necessary; adjustments are applied separately to expenditures for each function. Before adjustments, plans for 1988 were \$20.34 billion.

### Availability of Input-Output Data

A hard copy version of tables 3, 4, and 5 for the 1982 accounts, which were not printed in the following article, is available from Interindustry Economics Division (BE-51), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

The I-O accounts presented in the following article, as well as the 1977 (revised), 1980 (revised) and 1981 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 \$200 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 cost \$10 per table per year. Requests must specify tables and years desired and accession numbers as follows:

Year	Magnetic tape	Diskette	Printout
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

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# Annual Input-Output Accounts of the U.S. Economy, 1982

**T**HIS article presents the annual input-output (I-O) accounts for 1982. These accounts are consistent definitionally with the 1977 benchmark I-O accounts as modified by the comprehensive revision of the national income and product accounts (NIPA's) released in December 1985.<sup>1</sup> The annual accounts were prepared using basically the same procedures as used in the 1977 benchmark accounts, but with less comprehensive and reliable source data.

The 1982 annual I-O estimates of final demand—that is, estimates of GNP components—are consistent definitionally with the NIPA's, but differ from the NIPA estimates for that year because the former incorporate additional source data and are based on different estimating methods. For the major GNP components, these differences are shown in table A. For personal consumption expenditures, the difference is mainly due to the methods used to prepare the estimates of goods. The I-O estimates are based on the commodity-flow method; the NIPA estimates are based primarily on the retail-control method.<sup>2</sup> For

**NOTE.**—The 1982 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, John J. Linek, Robert S. Robinowitz, Nancy W. Simon, and Patricia A. Weiss.

1. For 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 the two methods, see "GNP: An Overview of Source Data and Estimating Methods," SURVEY 67 (July 1987): 116-7.

**Table A.—Comparison of GNP in the NIPA's and the I-O Accounts, 1982**

[Billions of dollars]

	NIPA's <sup>1</sup>	I-O accounts	Difference
Gross national product.....	3,166.0	3,166.2	-0.2
Personal consumption expenditures .....	2,050.7	2,046.4	4.3
Gross private domestic investment.....	447.3	451.1	-3.8
Net exports of goods and services.....	26.3	27.0	-.7
Government purchases of goods and services .....	641.7	641.7	0

1. The 1982 NIPA estimates appear in *The National Income and Product Accounts of the United States, 1929-82: Statistical Tables*.

gross private domestic investment, the difference is mainly due to improved estimates of business purchases of computers.<sup>3</sup> For net exports of goods and services, the difference reflects the incorporation of recent revisions to BEA's international transactions accounts.<sup>4</sup>

The steps used to prepare the 1982 annual I-O accounts are the same as those used to prepare the 1980 and 1981 annual accounts, although the source data and estimating methods used for the 1982 accounts differed somewhat.<sup>5</sup> These differences primarily affected the determination of the industry and commodity output totals. For manufacturing, data from the 1982 Census of Manufactures

3. See "Corrections to the Estimates of Purchases of Computers," SURVEY 66 (March 1986): 10.

4. See "U.S. International Transactions, First Quarter 1987," SURVEY 67 (June 1987): 46-86.

5. The four major steps in the preparation of 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 1980 and 1981 accounts, see "Input-Output Accounts of the U.S. Economy, 1981," SURVEY 67 (January 1987): 42-43.

were used to estimate commodity and industry output totals. For 1980 and 1981, the annual survey of manufactures, current industrial reports, and 1977 benchmark relationships were used. For wholesale and retail trade, gross margins from 1982 Census Bureau annual surveys were used. For 1980 and 1981, gross margins were not available from these surveys and were calculated using 1977 markup rates. For nonmerchant wholesalers, receipts data from the 1982 Census of Wholesale Trade were used. For 1980 and 1981, these receipts were estimated using 1977 relationships. For services, receipts for selected industries from the 1982 Census of Service Industries for zero-employee firms were used. For 1980 and 1981, these receipts were estimated using 1977 relationships. For agriculture, transportation, and banking, new data already developed for the 1982 benchmark accounts were used. When these benchmark I-O accounts are completed, additional economic census data on materials consumed, secondary products, operating expenses, and other detail will be included.

The 1982 annual I-O accounts, at the two-digit industry/commodity level, are presented in five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. 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.

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	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agricul- tural, forestry, and fishery services	Iron and ferro- alloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petro- leum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mining
		1	2	3	4	5	6	7	8	9	10
1	Livestock and livestock products.....	18,416	2,216		247						
2	Other agricultural products.....	20,908	2,609		217				3		
3	Forestry and fishery products.....			188	20						
4	Agricultural, forestry, and fishery services.....	3,030	4,075	1,093	104			(*)	6	(*)	(*)
5	Iron and ferroalloy ores mining.....					158					2
6	Nonferrous metal ores mining.....					15	431				
7	Coal mining.....	18	4			10	16	4,780		11	8
8	Crude petroleum and natural gas.....								6,468		
9	Stone and clay mining and quarrying.....	1	296			2	13	4		234	37
10	Chemical and fertilizer mineral mining.....		1								151
11	New construction.....										
12	Repair and maintenance construction.....	581	737	234	90	8	6	84	7,068	15	18
13	Ordnance and accessories.....				12						
14	Food and kindred products.....	12,162			73			1	(*)	6	1
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills.....		21								5
17	Miscellaneous textile goods and floor coverings.....	22	58	52	41			1	11	12	1
18	Apparel.....										
19	Miscellaneous fabricated textile products.....		53	12	56						
20	Lumber and wood products, except containers.....	14	17			3	27	102			2
21	Wood containers.....	3	181		15						
22	Household furniture.....										
23	Other furniture and fixtures.....										
24	Paper and allied products, except containers.....	146	59	1	7	(*)	1	9	5	33	6
25	Paperboard containers and boxes.....	2	106	1	91				3	2	1
26	Printing and publishing.....	16	24	1	7	(*)	1	8	20	6	2
27	Chemicals and selected chemical products.....	199	9,729	318	970	43	162	337	669	87	91
28	Plastics and synthetic materials.....										
29	Drugs, cleaning and toilet preparations.....	175							7		1
30	Paints and allied products.....			3					14		
31	Petroleum refining and related industries.....	2,820	5,084	331	639	81	142	939	660	331	114
32	Rubber and miscellaneous plastics products.....	298	398	3	36	25	55	190	26	54	11
33	Leather tanning and finishing.....										
34	Footwear and other leather products.....	28			3				2		
35	Glass and glass products.....	7		1	3	(*)	1	(*)	10	1	1
36	Stone and clay products.....		119		13	2	28	139	19	4	1
37	Primary iron and steel manufacturing.....	9	11			43	115	120	552	39	24
38	Primary nonferrous metals manufacturing.....					3	15	72		15	4
39	Metal containers.....			8							
40	Heating, plumbing, and fabricated structural metal products.....	10	16						64	21	9
41	Screw machine products and stampings.....	28			7	22	234		14		10
42	Other fabricated metal products.....	124	215	38	29	37	62	175	523	65	12
43	Engines and turbines.....			15	43	22	36	193	227	50	31
44	Farm and garden machinery.....	612	757	18	12						
45	Construction and mining machinery.....					55	106	1,027	439	172	52
46	Materials handling machinery and equipment.....					14	16	104		38	6
47	Metalworking machinery and equipment.....				2	2	4	5	33	5	1
48	Special industry machinery and equipment.....										
49	General industrial machinery equipment.....	21	28	7	2	25	30	321	309	51	14
50	Miscellaneous machinery, except electrical.....	56	88	1	4	4	23	116	247	33	8
51	Office, computing, and accounting machines.....				1						
52	Service industry machines.....										
53	Electric industrial equipment and apparatus.....	10	12			4	19	141	417	30	13
54	Household appliances.....									1	
55	Electric lighting and wiring equipment.....	5	4	1	3	(*)	2	25	26	3	1
56	Radio, TV, and communication equipment.....							1			
57	Electronic components and accessories.....										
58	Miscellaneous electrical machinery and supplies.....	84	410	(*)	20	(*)	3	6	8	3	1
59	Motor vehicles and equipment.....	52	68	6	48	41	6	7	9	54	5
60	Aircraft and parts.....			1	9						
61	Other transportation equipment.....			296	10	1	4				
62	Scientific and controlling instruments.....			5	1	(*)	3	19	73	1	(*)
63	Optical, ophthalmic, and photographic equipment.....			1	5	(*)	1	(*)	5	1	(*)
64	Miscellaneous manufacturing.....	8	13	1	6	3	1	5	11	5	2
65	Transportation and warehousing.....	1,600	876	107	366	52	81	288	432	88	41
66	Communications, except radio and TV.....	181	276	8	2	2	6	29	127	13	4
67	Radio and television broadcasting.....										
68	Private electric, gas, water, and sanitary services.....	1,041	1,495	43	276	365	399	822	1,994	518	589
69	Wholesale and retail trade.....	3,753	2,818	319	842	79	135	785	619	181	61
70	Finance and insurance.....	1,294	819	55	131	12	62	235	569	80	131
71	Real estate and rental.....	2,215	6,761	2	585	30	81	695	8,986	172	53
72	Hotels, personal and repair services (except auto).....	114	181	16	30	3	8	37	88	46	13
73	Business services.....	793	1,007	120	375	59	114	900	1,389	269	117
74	Eating and drinking places.....	12	19	58	135	4	14	47	600	30	25
75	Automobile repair and services.....	205	247	33	191	23	66	152	214	34	27
76	Amusements.....				157			2	8	2	1
77	Health, educational, and social services and nonprofit organizations.....	564	39	13	21	3	7	32	55	8	5
78	Federal Government enterprises.....	10	14	8	49	3	10	13	24	8	10
79	State and local government enterprises.....			6	24	1	4	5	14	11	5
80	Noncomparable imports.....		(*)	2	2	1	3	23	8	227	2
81	Scrap, used and secondhand goods.....					3	13	15		13	19
82	Government industry.....										
83	Rest of the world industry.....										
84	Household industry.....										
85	Inventory valuation adjustment.....										
I	Total intermediate inputs.....	66,636	41,787	3,538	5,959	1,261	2,363	13,276	33,224	2,853	1,741
VA	Value added.....	11,828	54,607	3,026	6,151	1,056	1,602	15,056	124,531	3,845	1,622
T	Total industry output.....	78,464	96,394	6,564	12,109	2,317	3,964	28,332	157,755	6,698	3,363

\* Less than \$500,000.

## by Industries, 1982

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	Paper-board 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		
			55,787	22,009	3,911	80	65										1	
			1,903	3		907	14	11									2	
240	462	(*)			1	(*)	178	4,883	78	(*)	(*)		26	1	(*)	(*)	3	
			7	128	10	43	4	7	2	8	1	5	1	343	5	5	40	
1,517	1,367		48	22									218			3,758	1	
													44			424	2	
244	87	68	1,129	21	166	38	149	27	204	5	67	57	488	118	233	570	12	
18	1	1,026	(*)	49,392	7	(*)	2	10	5	(*)	3	27	3	318	8	22	(*)	13
10	3			4,066												448	14	
					10,205	1,755	10,880	2,986			754	4	650			357	15	
1,437	357	1	19		312	638	94	877	54		198	198	346			110	1	
26	8	7	13	2	4	139	9,846	133	11	(*)	47	10	2	6		40	2	
64	53		72		17	839	364				41	1	2	1		129	3	
15,234	2,117	19	29	(*)	4	1			18	12,518	188	1,376	617	3,379		648	4	
		18	75	6					2	6	10	5	3		2	357	5	
93	30										24	3				3,758	6	
582	139										24	77	1			424	7	
654	341	5	2,941	229	47	70	212	33	26	(*)	30	18	10,703	7,876	13,595	759	8	
7	3	25	6,068	108	237	62	240	96	86	41	137	137	872	689	212	331	9	
631	412	1	32	1,603	195	18	11	22	23	1	25	14	22	7,843	161	19,729	10	
	45	1,978	26	785	429	91	20	733		40	74	2,141	453	1,814	665	20	35	
21	61	5,321	2,454	1,583	101				24	4	55	5	1,306	164	13	98	21	
51	25	2	1,425	16	88	23	173				115					309	22	
2,118	1,844	3			3	4	(*)		209		133	96	14	32		126	23	
7,044	3,613	99	1,803	87	388	124	382	88	897	11	117	79	2,503	620	2,978	601	24	
2,590	2,077	98	3,043	367	363	375	255	290	283	(*)	684	434	1,408	39	558		32	
							246	102			47	4			5		33	
2	1	(*)	2		8		5		12				1	(*)	2	7	34	
199	147	2	4,445	1	107	24			44		63	15	2	(*)	1	37	35	35
15,752	4,340	18	97	2	8	3	8	2	207	2	54	34	114	10	24	145	36	
7,622	1,800	381	9	2	1	1	1		36	4	267	987	1	84	24	236	37	
3,371	934	330							15		91	152	71	50	34	1,052	610	38
19,883	6,699			8,623	1						93						40	39
100	43	83	605						340		71	153			1	9	41	41
6,513	8,287	138	828	93	6	2	34	1	974	2	774	403	425	87	144	195	42	43
		24															44	
827	96								6								45	
1,292	502	2	1	30	3				20								46	
33	11	91	47	4	15	6	13	5	86	1	11	43	27	70	16	19	47	
1,347	250	115	168	5	205	128	97	10	42	2	10	2	231	82	391	742	48	
182	68	96	148	4	50	20	43	9	126	3	23	24	40	79	34	40	50	51
2,812	1,287								18								51	
1,625	598	88	57						33			31					90	52
869	450		(*)		(*)	4	1	5	19	(*)	2	4	5	(*)	1	(*)	32	53
4,569	1,605	1	19	3	(*)	(*)	1	1	1	1	1	1	2	7	7	3	54	54
1,245	400	1,135	11													4	(*)	55
96	30	2	3	(*)	1	2	(*)	8	72	(*)	2	1	8	1	7	7	58	56
59	26	29	13	1	2	(*)	4						7	2	15	2	59	60
		960	1														61	
4								3										62
1,369	598	5	65	2	13	1	8	2	10	1	6	2	40	4	7	138	63	
15	6	41	17	1	3	4	7	1	6	(*)	2	1	13	4	58	13	63	
412	137	8	29	2	7	2	621	20	11	16	2	7	5	208	7	64		
5,305	1,825	238	7,145	139	322	268	476	113	972	15	275	208	2,176	775	2,029	4,113	65	
2,976	1,472	92	695	14	188	25	608	41	75	3	86	60	164	54	1,164	240	66	
1,854	707	308	5,320	96	1,281	321	713	133	1,015	14	202	216	3,803	334	1,057	7,298	68	
17,813	6,555	244	13,852	179	1,201	392	1,890	431	1,744	32	612	410	3,002	324	2,770	2,959	69	
3,591	909	58	1,450	125	185	51	460	96	292	(*)	186	179	262	54	791	653	70	
795	311	85	957	51	101	43	482	117	155	6	125	114	279	98	1,492	622	71	
422	109	35	687	13	52	21	219	66	77	3	56	40	194	25	672	238	72	
37,153	2,755	599	9,216	1,070	1,180	262	1,491	246	785	25	598	566	1,558	291	5,248	2,796	73	
236	76	150	780	31	165	38	298	54	149	7	89	70	175	78	2,191	576	74	
1,033	194	15	497	32	51	17	112	17	179	2	67	55	148	52	316	85	75	
	2	1	7	1	(*)	3	40	40	76	3	34	19	42	4	189	86	77	
8	4	7	104	10	44	3	40	40	76	3	36	2	35	37	70	25	78	
189	58	11	377	48	53	27	266	28	36	2	35	37	70	25	1,526	82	78	
183	54	7	321	7	25	11	16		11	1	5	3	85	8	30	54	79	
2	(*)		3,660	2	22	168	38	58	5	18	1	56	14	33	466	80	84	
					31	73							741		54		85	
175,325	51,228	7,149	209,868	10,988	24,290	8,188	38,284	6,553	27,284	385	7,612	5,709	38,781	11,799	46,279	58,239	I	
99,956	57,867	10,642	64,226	9,224	8,735	2,368	20,021	3,491	11,982	212	5,046	5,294	20,857	6,994	39,878	20,378	VA	
275,280	109,095	17,791	274,094	20,211	33,025	10,506	53,305	10,043	39,265	597	12,658	11,003	59,638	18,793	86,157	78,617	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	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		32							
2	Other agricultural products		99	2						1
3	Forestry and fishery products		16	18						
4	Agricultural, forestry, and fishery services	(*)	(*)	1	1					1
5	Iron and ferroalloy ores mining		8							6
6	Nonferrous metal ores mining	3	21							7
7	Coal mining	131	21	18	36	1	1	1		348
8	Crude petroleum and natural gas	975	28	52	188,515	199				
9	Stone and clay mining and quarrying		4	13	349	27			271	1,908
10	Chemical and fertilizer mineral mining				9		2		5	90
11	New construction									
12	Repair and maintenance construction	200	146	50	890	269	6	21	85	390
13	Ordnance and accessories					(*)				27
14	Food and kindred products	39	742	148	34	12	471	20	1	20
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills	96				744				127
17	Miscellaneous textile goods and floor coverings		14		20	856				1
18	Apparel	4	1	(*)	1	10	(*)	19	4	5
19	Miscellaneous fabricated textile products	1	3	1		9			1	
20	Lumber and wood products, except containers	17	5		36	176			36	160
21	Wood containers					6		1	63	(*)
22	Household furniture									
23	Other furniture and fixtures									
24	Paper and allied products, except containers	368	378	15	194	681	(*)	51	14	407
25	Paperboard containers and boxes	236	1,001	67	401	760	11	94	523	131
26	Printing and publishing	14	170	48	18	50	2	18	28	29
27	Chemicals and selected chemical products	10,578	4,306	2,222	4,080	2,797	131	61	608	766
28	Plastics and synthetic materials	987	130	586	32	10,876		96		235
29	Drugs, cleaning and toilet preparations	188	3,484	23	670	20	47	19		30
30	Paints and allied products	59	61	104	6	36			19	56
31	Petroleum refining and related industries	874	774	277	16,298	955	29	19	288	881
32	Rubber and miscellaneous plastics products	612	1,613	27	208	2,859	(*)	510	61	161
33	Leather tanning and finishing					1	87	1,326		
34	Footwear and other leather products	(*)	1	(*)	5	8		426	4	(*)
35	Glass and glass products	10	688	7	35	344			849	29
36	Stone and clay products	21	21	100	249	188	4	4	145	4,000
37	Primary iron and steel manufacturing	(*)	1	29	26	456		2	1	174
38	Primary nonferrous metals manufacturing	13	4	67		63		(*)	7	211
39	Metal containers	74	794	405	412					2
40	Heating, plumbing, and fabricated structural metal products		12			50				10
41	Screw machine products and stampings		176	12		162		17	22	14
42	Other fabricated metal products	38	306	34	271	294	(*)	60	8	357
43	Engines and turbines					13				3
44	Farm and garden machinery									129
45	Construction and mining machinery									2
46	Materials handling machinery and equipment	9	14	1	9	4		1		
47	Metalworking machinery and equipment					154	1	8	56	27
48	Special industry machinery and equipment	12				141		5	81	4
49	General industrial machinery equipment	61	99	1	217	16		(*)	5	22
50	Miscellaneous machinery, except electrical	25	24	8	27	212	2	17	57	69
51	Office, computing, and accounting machines									
52	Service industry machines									
53	Electric industrial equipment and apparatus					5			19	8
54	Household appliances		(*)	(*)	(*)	(*)		1	10	31
55	Electric lighting and wiring equipment	1	3	1	10	59	(*)	1	1	(*)
56	Radio, TV, and communication equipment	(*)	1	(*)	(*)	1				
57	Electronic components and accessories					24				
58	Miscellaneous electrical machinery and supplies			5		1			1	1
59	Motor vehicles and equipment	1	8	4	153	35	(*)		1	76
60	Aircraft and parts									
61	Other transportation equipment									
62	Scientific and controlling instruments	28	58	2	54	72	(*)	2	31	12
63	Optical, ophthalmic, and photographic equipment	3	11	(*)	7	12	(*)	(*)	5	14
64	Miscellaneous manufacturing	2	24	5	3	22	(*)	71	2	29
65	Transportation and warehousing	807	1,057	896	8,165	1,579	33	109	435	2,643
66	Communications, except radio and TV	49	213	26	277	188	3	44	43	126
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services	1,342	680	102	5,196	1,916	39	80	1,219	2,177
69	Wholesale and retail trade	877	1,655	341	2,695	1,632	75	208	383	891
70	Finance and insurance	95	442	53	1,192	317	7	110	79	276
71	Real estate and rental	224	916	55	392	515	4	57	153	262
72	Hotels; personal and repair services (except auto)	54	128	36	66	112	18	42	31	71
73	Business services	902	7,578	321	2,531	1,506	28	313	326	947
74	Eating and drinking places	157	738	81	405	369	5	60	64	210
75	Automobile repair and services	88	77	20	98	103	2	16	43	117
76	Amusements	1	8	1	3	4		(*)	1	1
77	Health, educational, and social services and nonprofit organizations	26	176	12	86	113	1	3	9	30
78	Federal Government enterprises	17	123	24	105	66	3	64	23	47
79	State and local government enterprises	10	31		59	17	7	1	6	18
80	Noncomparable imports	43	308	39	374	780	4		68	57
81	Scrap, used and secondhand goods								53	
82	Government industry									
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
I	Total intermediate inputs	20,923	29,938	5,941	184,902	32,948	1,019	4,495	6,821	18,874
VA	Value added	7,529	18,532	2,558	20,556	21,487	818	3,131	6,056	12,818
T	Total industry output	27,852	47,870	8,500	205,459	54,435	1,837	7,625	12,377	31,692

\* Less than \$500,000.

**by Industries, 1982—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	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
2,530	98	(*)	(*)	(*)	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	1	(*)	1
3,065	27	(*)	48	2	6	7	1	4	6	1	3	(*)	2	2	(*)	4	1
40																	
246	16		4		10												19
60	1																
974	236	70	403	181	209	70	38	100	30	50	45	87	41	127	49	1	
11	6	4	1	5	2	4	1	1	2	2	3	2	3	2	10	2	1
28					2												
9	3	1	3	2	11	3	1	1	1	2	1	112	23	1	3	1	1
1	1			22													
86	108	15	62	60	149		27	14	7	9	25	39	4	41	24	1	
9	18		29	19	3		1	3	3	4	8	2	9	1	2	1	
2																	
10	30	10	36	76	8	20	9	3	2	4	3	62	5	162	17	1	
51	71	40	142	142	380	36	33	4	3	62	11	78	85	137	117	2	
29	30	183	41	26	46	10	11	18	11	24	20	28	23	89	19	2	
1,813	1,066	9	57	120	707	1	3	28	3	88	167	16	5	7	77	2	
655	26		52	95								14	78	78	2	2	
2	1	9	20	12	17												
20	37	255	135	87	248	5	34	24	7	23		8	5	64	47	3	
1,113	729	52	280	84	272	100	37	69	74	150	97	269	81	273	132	3	
73	305	21	271	141	980	44	280	253	98	81	179	247	20	1,333	327	3	
4	2	1															
458	142	7	(*)	285	20	39	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	2	(*)	3
10,655	316	2,763	6,935	4,632	4,202	1,400	1,239	2,853	759	1,236	847	2,285	854	236	1,062	3	3
1,082	17,480	1,433	2,817	891	2,074	453	106	97	112	285	672	392	535	902	3	3	3
3	2	452		13	10												
			770		8	186		814	101	110	152	200		359	140		
196	97	7	1,022	648	530	264	214	100	71	91	76	283	73	592	378	4	
518	359	125	1,220	382	1,502	178	130	275	115	144	213	289	195	366	444	4	4
17			1	46	1,169	716	464	82			104	120	43	45			
								1,294	7								
13	12								6								
391	458	62	221	303	281	191	85	181	63	924	161	319	267	146	150	4	
59	18			2	13						391						
662	343	2	242	18	48	303	611	1,286	469	369	474	1,561	159	52	402	5	
376	211	37	225	791	279	460	296	141	139	446	392	479	1,300	148	260	5	
5												8,089					
514	199	1	309	43	136	150	78	299	269	484	528	924	82	1,272	1,168	5	
2			90								7						
10	11	1	9	20	4	1	20	1	1	22	2	2	2	126	95	5	
(*)	(*)	(*)	1	(*)	1	10	(*)	(*)	(*)	(*)	26	51	4,515			5	
2	3	4	1	24	48	3	71	252	224	1	8	3	33	51	(*)	5	
										8	1	27	5	1	1	6	
4																	
138	47	2	70	6	17	2	2	3	2	49	4	69	5	23	234	6	
11	4	3	8	6	13	6	3	6	4	7	9	8	26	7	6	6	
12	6	1	23	4	15	2	2	10	5	6	3	4	40	34	6	6	
2,501	1,536	298	715	394	633	149	197	268	76	202	168	324	236	678	283	6	
83	100	15	194	167	194	36	28	170	81	66	89	182	81	263	78	6	
			7														
4,571	3,233	248	594	489	951	164	178	321	92	308	185	401	296	433	247	6	
2,553	2,084	401	1,527	710	1,289	436	784	1,107	341	492	559	925	255	2,192	882	6	
308	345	59	242	168	324	60	43	97	31	102	109	132	213	483	57	7	
228	197	77	275	129	239	40	62	76	51	114	80	166	165	417	79	7	
121	91	38	231	55	111	19	15	32	14	37	33	60	53	548	54	7	
1,108	881	185	1,008	644	1,123	240	191	587	186	422	329	636	903	1,619	447	7	
149	162	69	246	86	218	40	40	104	42	124	80	256	126	444	91	7	
39	86	19	90	62	89	28	8	17	22	46	16	53	55	69	13	7	
1	2	1	11	1	2	1	2	1	2	2	2	6	2	1	(*)	7	
11	28	10	33	43	83	5	4	4	3	19	6	29	30	26	14	7	
67	42	5	59	24	57	12	21	21	15	21	32	50	23	63	10	7	
23	16	5	12	8	24	4	3	5	2	7	3	20	4	21	6	7	
51	116	3	14	8	25	12	26	42	7	75	21	22	1	187	2	8	
1,508	2,013		59		40	28	12	6		21	27	9	10				
38,704	36,955	7,005	21,194	11,882	17,865	6,626	6,842	10,992	3,670	6,906	6,024	11,694	6,460	26,473	9,442	V	
20,164	10,312	4,968	15,993	9,511	18,152	5,807	5,700	12,901	3,009	10,327	6,565	11,415	8,472	14,222	5,983		
58,868	47,267	11,968	37,187	21,393	36,017	12,432	12,542	23,892	6,678	17,233	12,589	23,109	14,931	40,695	15,425		

**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		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 vehi- cles and equipment	Aircraft and parts	Other trans- portation equipment
	For the composition of inputs to an industry, read the column for that industry										
	Industry number	53	54	55	56	57	58	59	60	61	
1	Livestock and livestock products.....										
2	Other agricultural products.....										
3	Forestry and fishery products.....										
4	Agricultural, forestry, and fishery services.....	1		(*)	1	1	(*)	1	1	1	
5	Iron and ferroalloy ore mining.....						50				
6	Nonferrous metal ores mining.....										
7	Coal mining.....	4	6	4	6	1	4	41	7	2	
8	Crude petroleum and natural gas.....										
9	Stone and clay mining and quarrying.....								2		
10	Chemical and fertilizer mineral mining.....										
11	New construction.....	127	61	43	144	186	36	188	217	62	
12	Repair and maintenance construction.....										
13	Ordnance and accessories.....	3	2	1	5	6	1	(*)	2	5	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.....	3		16							
18	Apparel.....	2	1	1	20	22	2	194	9	8	15
19	Miscellaneous fabricated textile products.....								2,059	96	81
20	Lumber and wood products, except containers.....	27	69	25	27		2	104	22	22	836
21	Wood containers.....	12	17		22				4	7	(*)
22	Household furniture.....				348	21			11		65
23	Other furniture and fixtures.....			8				267	20		126
24	Paper and allied products, except containers.....	171	44	3	82	108	4	98	13	17	
25	Paperboard containers and boxes.....	110	221	193	146	125	74	78	6	15	
26	Printing and publishing.....	45	16	16	299	67	11	41	92	30	
27	Chemicals and selected chemical products.....	149	58	99	98	873	427	224	38	57	
28	Plastics and synthetic materials.....	81	222	154	271	165	82	146	33	124	
29	Drugs, cleaning and toilet preparations.....							5		1	
30	Paints and allied products.....	62	115	32	38	1	20	372	68	174	
31	Petroleum refining and related industries.....	206	34	65	180	268	70	319	440	226	
32	Rubber and miscellaneous plastics products.....	377	648	308	2,087	1,483	302	3,846	278	283	
33	Leather tanning and finishing.....										
34	Footwear and other leather products.....									1	
35	Glass and glass products.....	14	82	343	57	348	9	886	8	119	
36	Stone and clay products.....	217	83	50	61	448	21	384	84	272	
37	Primary iron and steel manufacturing.....	1,249	899	578	277	247	179	6,850	1,267	1,934	
38	Primary nonferrous metals manufacturing.....	1,348	490	642	1,503	1,697	1,002	1,628	1,934	455	
39	Metal containers.....										
40	Heating, plumbing, and fabricated structural metal products.....	80			394	56	21	7	89	1,126	
41	Screw machine products and stampings.....	353	276	300	497	696	161	6,872	494	195	
42	Other fabricated metal products.....	262	324	244	776	898	326	2,263	455	389	
43	Engines and turbines.....	69						711		717	
44	Farm and garden machinery.....										
45	Construction and mining machinery.....							14		92	
46	Materials handling machinery and equipment.....							13		3	
47	Metalworking machinery and equipment.....	169	50	90	180	175	75	288	570	115	
48	Special industry machinery and equipment.....									4	
49	General industrial machinery equipment.....	106	70	4	53	4	58	695	414	635	
50	Miscellaneous machinery, except electrical.....	129	46	40	269	151	55	1,225	684	316	
51	Office, computing, and accounting machines.....	17			32				8	(*)	
52	Service industry machines.....			218	7			1,196		113	
53	Electric industrial equipment and apparatus.....	2,278	654	242	517	154	182	189	107	297	
54	Household appliances.....		145							180	
55	Electric lighting and wiring equipment.....	156	163	237	408	90	75	542	4	167	
56	Radio, TV, and communication equipment.....	(*)	(*)	(*)	2,633	5	(*)	469	2,447	251	
57	Electronic components and accessories.....	614		210	11,858	6,527	569	227	1,141	9	
58	Miscellaneous electrical machinery and supplies.....	(*)	2	89	13	5	367	1,545	121	55	
59	Motor vehicles and equipment.....	1		1	67	4	3	30,278	2	523	
60	Aircraft and parts.....	49						17	9,749	48	
61	Other transportation equipment.....							22		908	
62	Scientific and controlling instruments.....	47	329	3	115	12	9	248	571	60	
63	Optical, ophthalmic, and photographic equipment.....	20	2	8	148	39	6	14	249	18	
64	Miscellaneous manufacturing.....	18	69	3	27	16	2	29	17	28	
65	Transportation and warehousing.....	418	187	220	678	822	303	1,052	1,027	366	
66	Communications, except radio and TV.....	127	39	41	402	260	38	69	339	98	
67	Radio and television broadcasting.....										
68	Private electric, gas, water, and sanitary services.....	466	262	206	720	995	257	1,099	847	374	
69	Wholesale and retail trade.....	1,182	605	555	2,261	1,888	477	3,643	993	1,151	
70	Finance and insurance.....	297	97	150	808	419	165	365	541	134	
71	Real estate and rental.....	245	49	72	2,330	329	121	160	312	485	
72	Hotels; personal and repair services (except auto).....	128	45	74	454	374	83	77	780	49	
73	Business services.....	675	644	368	2,575	1,577	321	2,015	2,287	576	
74	Eating and drinking places.....	188	71	87	568	565	89	145	1,268	97	
75	Automobile repair and services.....	34	14	15	63	146	25	558	94	43	
76	Amusements.....	1		1	10	28	19	13	22	19	
77	Health, educational, and social services and nonprofit organizations.....	11	13	9	72	70	5	84	77	9	
78	Federal Government enterprises.....	44	46	21	253	77	9	126	185	32	
79	State and local government enterprises.....	8	5	5	17	22	6	30	16	5	
80	Noncomparable imports.....	80	17	8	185	42	15	488	46	5	
81	Scrap, used and secondhand goods.....		1	23			32	136			
82	Government industry.....										
83	Rest of the world industry.....										
84	Household industry.....										
I	Total intermediate inputs.....	12,477	7,555	5,930	34,012	22,506	6,173	74,638	30,995	14,787	
VA	Value added.....	14,129	4,481	5,828	19,471	10,116	5,881	36,873	27,493	11,373	
T	Total industry output.....	26,605	12,035	11,759	53,483	32,622	12,004	111,511	58,488	26,160	

\* Less than \$500,000.

## SURVEY OF CURRENT BUSINESS

## by Industries, 1982—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	Auto-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	
			1 27	1 4			25		30	3 31	12 19	503 1,123		34 1,035	101 155	1
(*)	(*)	(*)	7 5	(*) 1	(*)	12	920	4	2,244	54	9	1,152 2	(*)	131	21 122	2
9			2 10	3 250		11,221 33,555			10							6
(*)			39													8
69	65	112	4,410	3,737	23	7,090 (*) 8	8,160 427	504 2 10	20,641 1 1	660 124	670 105	751 40,477	379 2	529 479	1,399 3,625	12 14
73	2	31	97	5												15
270			388	2			1			178						16
213	10	63	66			63			22	3	28		14		49 17	17
34	1	16	109	51	(*)	5	79		2	387	35		37	77		18
34		99	118				48	184	1	532	12	85	(*)	48	542	19
		550	28			69	742		5	105		27		87	62	20
		9	(*)				25					2				21
												2				22
267	506	483	108	75	7	101 7	8,193 988	718 2	87	216 62	742 50	590 861	29 1	28 105	1,507	24
195	133	507	54	18	(*)	125	2,483	3,233	540	337	8,140 174	19	103 46	6,348 4,061	25 27	
85	27	71	424	312	26			10	213	172	445	96	5			28
148	1,462	482	150	19	11	548										29
189	145	694														30
3		(*)	4	78		3	189		10	6	784 1	304 73	194 438	5 1	5,875 17	31
23	1	152	42	60												32
222	168	311	20,487	371	16	20,709	11,506	1,087	828	981 2,432	581 502	1,599 1,144	401 92	4,220 2,605	31 32	
862	880	828	895	137	1	1,350	70	283	478							33
6		(*)	56													34
109	52	7	1	1	1	118	14	4	58	8	2	(*)	29		32	
66	187	16	21	4	(*)	1	42	13	2	139 22	42	222	240	1	266	35
355	62	86	75	24		13	97	4	22	197	28	184	521	4	59	36
708	64	540	180	1		12	2			3	5				11	37
11	464	1,229	70	118		30			7		17			4		38
50	16	4				151					43					39
466	174	139	70	132		28		161								40
389	192	342	642	51	(*)	68				25	79	418	1,328	10	160	41
	7	291	202			217	396	18	7	27	249	91	1,356	17	186	42
						1,465	5			109			51			43
										301						44
										26						45
										258						46
115	25	40	86	2	(*)	8	109			185						47
			15			20	59			125						48
34	51	13	424	60		80	4	13	6	116	110	11	1			49
152	49	79	272	27	1	44	341		5	126	304	599	4	17	50	51
29			6			3	23	55	4	452	472	575			52	53
405	65	112	221			191	3			45	36	294	540	15		54
54	27	32	60	19	1	141	57	37	341	86	1	(*)		28		55
1		8	54	2,136	44	5	62	27	49	24	133	73	179	23	206	
787	1,346	132	44	688	316	5	81	26	(*)	33	56	2	62	5	100	56
21	16	6	60	16	(*)	7	15	93		782	1,121				167	
3	2	3	423	316	1	46	502	36	22	56	8	11	318	2	584	58
			1,046							15	157	21	7,257	30	78	59
			1,818	11	1	12	44	5		290			8	143	11	61
605	31	7	74	9	1	226	90	8	2	29	55	(*)	11	(*)	2,601	62
16	804	17	42	24	192	59	256	177	66	398	1,578	6	2	194	957	63
36	6	1,198	181	99	6	43	789	425	77	882	426	241	16	104	738	64
286	472	657	38,888	529	154	3,764	11,017	2,067	499	402	4,076	2,294	1,789	658	3,863	65
172	164	249	1,897	2,379	124	643	9,773	5,355	1,016	1,132	5,740	934	778	491	3,911	66
					95					213						67
357	264	405	2,498	1,170	181	63,708	17,867	2,974	4,329	3,866	2,432	4,580	970	1,198	7,190	68
893	658	1,398	4,960	453	70	2,193	7,405	811	1,228	1,126	2,232	7,341	6,391	359	4,330	69
138	268	324	11,154	145	1,731	8,146	48,872	12,002	1,374	2,387	3,148	346	519	2,381	70	
228	172	460	2,490	2,030	745	1,041	25,235	5,581	36,729	2,876	8,096	5,063	1,196	2,072	25,763	71
70	86	98	445	266	112	339	2,780	1,300	1,137	1,027	2,756	985	162	310	2,106	72
915	1,131	1,446	7,323	3,748	640	2,161	53,398	19,581	9,755	3,882	23,471	6,715	2,079	3,666	16,259	73
248	307	212	1,756	478	248	256	11,388	2,602	1,396	574	4,179	325	171	591	3,618	74
189	59	67	3,300	212	9	234	7,648	637	255	459	2,115	232	238	462	1,607	75
24	16	11	47	5	3,254	12	1,202	5		21	220	1,279	(*)	5,749	592	76
62	102	84	332	137	38	200	698	878	171	543	1,250	336	44	219	5,847	77
63	38	108	250	390	15	621	2,797	4,277	893	220	1,908	224	35	86	1,805	78
11	8	12	222	123	28	52	484	75	100	113	88	169	70	25	258	79
59	39	751	5,879	1,848	19	7	746	720	6	21	621	73	205		51	80
			54							24						81
																82
																83
																84
																85
10,833	10,777	15,251	106,034	23,725	6,529	153,192	189,577	102,843	94,455	26,273	77,380	83,480	30,364	20,239	116,571	I
12,097	10,184	12,322	107,669	71,588	8,312	86,983	365,559	124,021	389,812	47,801	196,517	64,739	32,528	20,029	195,102	VA
22,930	20,961	27,573	213,704	95,313	14,841	240,175	555,436	226,865	483,767	74,074	273,897	148,220	63,492	40,268	311,674	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 govern- ment enter- prises	State and local govern- ment enter- prises	Govern- ment industry	Rest of the world industry	Household industry	Inventory valuation adjust- ment	Total intermediate use
			78	79	82	83	84	85	
1	Livestock and livestock products.....		5						72,502
2	Other agricultural products.....	1,974	3						55,226
3	Forestry and fishery products.....	11							7,962
4	Agricultural, forestry, and fishery services.....	1	23						12,810
5	Iron and ferroalloy ores mining.....								2,834
6	Nonferrous metal ores mining.....								4,267
7	Coal mining.....	1,259	992						23,060
8	Crude petroleum and natural gas.....								183,892
9	Stone and clay mining and quarrying.....								7,114
10	Chemical and fertilizer mineral mining.....			13					2,254
11	New construction.....								
12	Repair and maintenance construction.....	411	8,259						71,207
13	Ordnance and accessories.....	(*)	(*)						1,222
14	Food and kindred products.....	1,066	1						110,699
15	Tobacco manufactures.....								4,066
16	Broad and narrow fabrics, yarn and thread mills.....	8							29,616
17	Miscellaneous textile goods and floor coverings.....	2	4						6,993
18	Apparel.....	1	12						11,644
19	Miscellaneous fabricated textile products.....	71	5						5,582
20	Lumber and wood products, except containers.....								39,761
21	Wood containers.....								618
22	Household furniture.....								603
23	Other furniture and fixtures.....								1,226
24	Paper and allied products, except containers.....	54	44						49,149
25	Paperboard containers and boxes.....	14	(*)						18,138
26	Printing and publishing.....	210	110						29,515
27	Chemicals and selected chemical products.....	7	448						82,092
28	Plastics and synthetic materials.....								27,971
29	Drugs, cleaning and toilet preparations.....	29	29						14,417
30	Paints and allied products.....	1	(*)						7,853
31	Petroleum refining and related industries.....	425	2,886						127,435
32	Rubber and miscellaneous plastics products.....	17	74						45,234
33	Leather tanning and finishing.....	(*)							1,874
34	Footwear and other leather products.....	15	1						878
35	Glass and glass products.....	2	3						10,588
36	Stone and clay products.....	1	110						30,748
37	Primary iron and steel manufacturing.....	1	(*)						69,960
38	Primary nonferrous metals manufacturing.....	4							49,518
39	Metal containers.....								11,618
40	Heating, plumbing, and fabricated structural metal products.....	3	2						31,250
41	Screw machine products and stampings.....	25	6						20,305
42	Other fabricated metal products.....	9	10						33,112
43	Engines and turbines.....	6	47						7,186
44	Farm and garden machinery.....			118					2,749
45	Construction and mining machinery.....	1	1						4,574
46	Materials handling machinery and equipment.....	2							2,677
47	Metalworking machinery and equipment.....	3	16						7,242
48	Special industry machinery and equipment.....								3,096
49	General industrial machinery equipment.....	7	8						13,770
50	Miscellaneous machinery, except electrical.....	16	257						13,256
51	Office, computing, and accounting machines.....	6	1						9,341
52	Service industry machines.....	9	10						8,252
53	Electric industrial equipment and apparatus.....	1	705						16,258
54	Household appliances.....	5	38						2,367
55	Electric lighting and wiring equipment.....	15	76						9,794
56	Radio, TV, and communication equipment.....	7	4						11,234
57	Electronic components and accessories.....	2	21						31,094
58	Miscellaneous electrical machinery and supplies.....	7	26						4,597
59	Motor vehicles and equipment.....	36	130						41,436
60	Aircraft and parts.....								11,924
61	Other transportation equipment.....	17	115						3,241
62	Scientific and controlling instruments.....	3	12						8,459
63	Optical, ophthalmic, and photographic equipment.....	17	27						6,411
64	Miscellaneous manufacturing.....	52	42						7,389
65	Transportation and warehousing.....	2,587	739						133,461
66	Communications, except radio and TV.....	141	157						47,818
67	Radio and television broadcasting.....								316
68	Private electric, gas, water, and sanitary services.....	342	9,638						187,254
69	Wholesale and retail trade.....	283	828						145,568
70	Finance and insurance.....	67	238						107,268
71	Real estate and rental.....	588	396						155,437
72	Hotels; personal and repair services (except auto).....	45	95						20,651
73	Business services.....	704	962						265,352
74	Eating and drinking places.....	72	366						42,328
75	Automobile repair and services.....	160	88						24,302
76	Amusements.....	20	1						12,861
77	Health, educational, and social services and nonprofit organizations.....	18	47						18,059
78	Federal Government enterprises.....	435	125						19,094
79	State and local government enterprises.....	24	11						3,168
80	Noncomparable imports.....	376							19,278
81	Scrap, used and secondhand goods.....		2						5,292
82	Government industry.....								
83	Rest of the world industry.....								
84	Household industry.....								
85	Inventory valuation adjustment.....								
I	Total intermediate inputs.....	11,647	28,375						2,745,558
VA	Value added.....	22,166	14,193	333,815	51,412	7,660	-11,229		
T	Total industry output.....	33,813	42,568	333,815	51,412	7,660	-11,229		

\* Less than \$500,000.

**by Industries, 1982—Continued**

at producers' prices]

Table 2.—The Make of Commodities

[Millions of dollars]

Industry 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	Commodity number	Livestock	Other	Forestry	Agricul-	Iron and	Non-	Coal	Crude	Stone and	Chemical
			and livestock products	agri- cultural products	fishery products	cultural, forestry, and fishery services	ferro- alloy ores mining	ferrous metals mining	mining	petro- leum and natural gas	and clay mining and quarrying	fertilizer mineral mining
		1	2	3	4	5	6	7	8	9	10	
1	Livestock and livestock products.....	74,042		115	789							
2	Other agricultural products.....		93,205	930	1,298							
3	Forestry and fishery products.....			6,564		12,109						
4	Agricultural, forestry, and fishery services.....						2,299	17				
5	Iron and ferroalloy ores mining.....						174	3,780	5	28,303	(*)	4
6	Nonferrous metal ores mining.....								3		19	
7	Coal mining.....								1			4
8	Crude petroleum and natural gas.....								7		1	
9	Stone and clay mining and quarrying.....						5	1		144,693	3	
10	Chemical and fertilizer mineral mining.....						1			6,446	20	2,195
11	New construction.....											
12	Repair and maintenance construction.....											
13	Ordinance and accessories.....											
14	Food and kindred products.....											
15	Tobacco manufactures.....											
16	Broad and narrow fabrics, yarn and thread mills.....											
17	Miscellaneous textile goods and floor coverings.....											
18	Apparel.....											
19	Miscellaneous fabricated textile products.....											
20	Lumber and wood products, except containers.....											
21	Wood containers.....											
22	Household furniture.....											
23	Other furniture and fixtures.....											
24	Paper and allied products, except containers.....											
25	Paperboard containers and boxes.....											
26	Printing and publishing.....											
27	Chemicals and selected chemical products.....									64		33
28	Plastics and synthetic materials.....											
29	Drugs, cleaning and toilet preparations.....										1	
30	Paints and allied products.....											
31	Petroleum refining and related industries.....										88	
32	Rubber and miscellaneous plastics products.....										3	
33	Leather tanning and finishing.....											
34	Footwear and other leather products.....											
35	Glass and glass products.....											
36	Stone and clay products.....										207	(*)
37	Primary iron and steel manufacturing.....										6	
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.....											
66	Communications, except radio and TV.....											
67	Radio and television broadcasting.....										210	
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.....	74,051	93,205	7,609	14,196	2,478	3,804	28,321	144,971	6,795	2,232	

\* Less than \$500,000.

#### **by Industries, 1982**

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	Paper-board 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		
			3,431 686						97								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	
			(*)														112 1 1,047	
275,280	109,095	15,803	273,081	20,187	29,240 126 152	279 9,980 48	330 12 52,762	1,227 42 218	39	11 (*)	23 27	80 49	52 49 16 51 67 8 1 11 (*) 51	12	12	377		
			5 (*)		127 2	20 1	31	9,693 1	38,702 41 540	62 23 1	32 30 1 32	8 4 1 7 67 8 3	20	20				
			11		1	11 21 5		26 6 52	47 51 100	12,198 1 32	30 1 10,606	4 8 1 56,991 80 92 18,295 62	8 6 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 80 81 82 83 84 85	21	21			
			(*)	49	3	189										6 2 52 50 5 1,552 139 13,417 380		
			15	331 13 317 3	4	40		17 4 1	13 1 1		13 1 10,606	470 100	18,295 62 53,253 60	8 2 52 60 70,436 2,059 1,552 139 13,417 380	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 80 81 82 83 84 85	22	22	
			36	43 1	49	136	40	35	16	1	87	10	130	29	38			
					1		1	3 32 3	8 26 2						4 10 3 115 9 9 775 72 211 22 2 144 2 12 115 9 9 775 38 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 80 81 82 83 84 85	3	3	
					4	22		1	8 37 8	29 7	3 3	76 9 9 9 72 211 22 2 144 2 12 115 9 9 775 38 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 80 81 82 83 84 85	3	3				
			39	4	15													
			42	51 29 33	1													
			44	10 40 55 5 7 4 7 12 13	8													
			45	21 33 406 53	11													
			46	32 638 58 28 2 11	11													
			47	17 27 8 2 (*)	21													
			48	17 27 8 2 (*)	26													
			49	17 27 8 2 (*)	57													
			50	17 27 8 2 (*)	28													
			51	17 27 8 2 (*)	46													
			52	17 27 8 2 (*)	46													
			53	17 27 8 2 (*)	46													
			54	17 27 8 2 (*)	46													
			55	17 27 8 2 (*)	46													
			56	17 27 8 2 (*)	46													
			57	17 27 8 2 (*)	46													
			58	17 27 8 2 (*)	46													
			59	17 27 8 2 (*)	46													
			60	17 27 8 2 (*)	46													
			61	17 27 8 2 (*)	46													
			62	17 27 8 2 (*)	46													
			63	17 27 8 2 (*)	46													
			64	17 27 8 2 (*)	46													
			65	17 27 8 2 (*)	46													
			66	17 27 8 2 (*)	46													
			67	17 27 8 2 (*)	46													
			68	17 27 8 2 (*)	46													
			69	17 27 8 2 (*)	46													
			70	17 27 8 2 (*)	46													
			71	17 27 8 2 (*)	46													
			72	17 27 8 2 (*)	46													
			73	17 27 8 2 (*)	46													
			74	17 27 8 2 (*)	46													
			75	17 27 8 2 (*)	46													
			76	17 27 8 2 (*)	46													
			77	17 27 8 2 (*)	46													
			78	17 27 8 2 (*)	46													
			79	17 27 8 2 (*)	46													
			80	17 27 8 2 (*)	46													
			81	17 27 8 2 (*)	46													
			82	17 27 8 2 (*)	46													
			83	17 27 8 2 (*)	46													
			84	17 27 8 2 (*)	46													
			85	17 27 8 2 (*)	46													
275,280	109,095	17,484	277,948	20,239	29,850	10,970	53,291	11,611	39,396	613	12,469	11,125	58,767	18,723	54,397	92,724	T	

Table 2.—The Make of Commodities

[Millions of dollars]

Industry 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	Commodity number	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
			28	29	30	31	32	33	34	35	36
1	Livestock and livestock products.....										
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.....						6,635				
9	Stone and clay mining and quarrying.....						83				
10	Chemical and fertilizer mineral mining.....										197
11	New construction.....										101
12	Repair and maintenance construction.....										
13	Ordnance and accessories.....							3			
14	Food and kindred products.....	7	321			1	88				
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills.....	1,607	(*)			4	55		1	4	74
17	Miscellaneous textile goods and floor coverings.....	66	10	3	1	83	(*)	1			
18	Apparel.....	4				7	(*)	28			
19	Miscellaneous fabricated textile products.....	2	5			21		4		1	
20	Lumber and wood products, except containers.....		12	1	3	63			5	8	
21	Wood containers.....					2					
22	Household furniture.....					32		9	42		
23	Other furniture and fixtures.....	9				44		3		1	
24	Paper and allied products, except containers.....	37	21	7	4	418		2	15		26
25	Paperboard containers and boxes.....					221					
26	Printing and publishing.....					36		5	(*)		
27	Chemicals and selected chemical products.....	3,511	1,845	136	1,536	62	4				87
28	Plastics and synthetic materials.....	24,622	105	39		582					11
29	Drugs, cleaning and toilet preparations.....	187	45,279	45	90	55					14
30	Paints and allied products.....	176	9	8,149	2	7					6
31	Petroleum refining and related industries.....	153	137	20	191,360	29					127
32	Rubber and miscellaneous plastics products.....	333	74	12		51,931	1	41	4	6	102
33	Leather tanning and finishing.....				1	2	1,812	12			
34	Footwear and other leather products.....				2	22		7,489			2
35	Glass and glass products.....	26	1	2		48			12,117		6
36	Stone and clay products.....	83	17	17	59	130		(*)	42	30,509	9
37	Primary iron and steel manufacturing.....					5					55
38	Primary nonferrous metals manufacturing.....					135					86
39	Metal containers.....					23					5
40	Heating, plumbing, and fabricated structural metal products.....					110					35
41	Screw machine products and stampings.....	23		4	2						6
42	Other fabricated metal products.....	19	15	37	1	201	(*)	7	1		27
43	Engines and turbines.....					8					
44	Farm and garden machinery.....					6					2
45	Construction and mining machinery.....					20					
46	Materials handling machinery and equipment.....					1					
47	Metalworking machinery and equipment.....	5	22			34					5
48	Special industry machinery and equipment.....		8	2		14					18
49	General industrial machinery equipment.....	3	3	2		84				11	3
50	Miscellaneous machinery, except electrical.....					3					12
51	Office, computing, and accounting machines.....					66		1			
52	Service industry machines.....		11			11			(*)	4	
53	Electric industrial equipment and apparatus.....					50			3	32	
54	Household appliances.....		19			28			(*)		
55	Electric lighting and wiring equipment.....				1	14	2	16			9
56	Radio, TV, and communication equipment.....	12				38					21
57	Electronic components and accessories.....					58					3
58	Miscellaneous electrical machinery and supplies.....		8			12		4	(*)	46	
59	Motor vehicles and equipment.....		10	25	9	7					46
60	Aircraft and parts.....				10	146					16
61	Other transportation equipment.....					6			(*)		
62	Scientific and controlling instruments.....					42		6	39		
63	Optical, ophthalmic, and photographic equipment.....	50	279			185			(*)	12	
64	Miscellaneous manufacturing.....		19	10		197	(*)	21	(*)	36	
65	Transportation and warehousing.....		63	3	2						
66	Communications, except radio and TV.....										
67	Radio and television broadcasting.....										
68	Private electric, gas, water, and sanitary services.....					115					
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.....										26
82	Government industry.....										
83	Rest of the world industry.....										
84	Household industry.....										
85	Inventory valuation adjustment.....										
T	Total commodity output.....	30,934	47,808	8,517	199,879	55,496	1,819	7,635	12,452	31,655	

\* Less than \$500,000.

## by Industries, 1982—Continued

at producers' prices]

Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Industry number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
																1
																2
																3
																4
																5
																6
																7
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																52
55,680	343	44,650	20	11,537	25	24	11	3								
302	99	9	153	149	33,018	36	50	2	10,885	28	10,755	254	15	9	1	
177	52	(*)	146	13	28	10,885	2	14		21,743	114	154	37	24	270	24
20	126	7	315	269	11,755	25	59	27			6,110	30	50	79	15	28
60	28	8	19	9	20	14	23	28			16,198	72	74	84	21	39
28	36	32	122	10	77	36	22	27				11,556	131	15	73	39
60	6	2	75	13	9	24	23	24				20,833	118	67	143	49
19	145	36	359	183	43	79	29	29					14,155	2	13	50
2	20	2	19	6	35	37	5	6					93	14,155	5	51
7	58	6	102	7	67	17	18	1					21	14	95	37,741
23	73	20	8	36	99	4	4	17					17	16	121	20
31	5	10	89	115	24	22							47	11	85	38
63	75	41	48	78									1	86	5	240
14	121	20	3	97									4	9	12	27
23	40	43	53	40	13								6	36	23	288
11	257	1	3	5									4	6	12	6
407	156	4	126	731	168	177	86	114	59	177	27	71	49	39	190	59
80	11	132	97	162	606	48	118	47	74	116	244	25	168	81	60	
14	23	122	10	44	89	114	74	6	58	11	54	13	19	78	9	
2	23	40	17	99					10	12	23	13	82	30	50	14
6	18	8	17	13	25			12			24	30	50	31	177	62
		1	20	22	59		6	1			20	9	18	7	8	64
57,704	46,232	11,792	37,645	21,848	37,942	12,566	12,587	22,706	6,717	18,216	12,768	23,231	14,932	40,582	14,931	T

Table 2.—The Make of Commodities

[Millions of dollars]

Industry 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	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- lanous 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	34	1	1	704	10	1	71	644	162	
14	Food and kindred products		4								
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings	1					6		2		
18	Apparel						3				
19	Miscellaneous fabricated textile products										
20	Lumber and wood products, except containers		1	1	11	2			5	1	1
21	Wood containers								12		14
22	Household furniture			48	4	6	11		5		
23	Other furniture and fixtures			3	4	9			5	8	2
24	Paper and allied products, except containers	2			2	9	234	4	11		
25	Paperboard containers and boxes										
26	Printing and publishing					19					
27	Chemicals and selected chemical products	3				13	94	44		9	2
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations							31			
30	Paints and allied products	1				7					
31	Petroleum refining and related industries										
32	Rubber and miscellaneous plastics products	14	15	25	10	85	7	64	27	16	
33	Leather tanning and finishing								3		
34	Footwear and other leather products								1	1	
35	Glass and glass products	6	8	12	12				25		
36	Stone and clay products	14		34	26	20	5	9	11	3	
37	Primary iron and steel manufacturing	14		68		17			163		4
38	Primary nonferrous metals manufacturing	46	3	21	15	21	63		182	10	5
39	Metal containers			2					7		
40	Heating, plumbing, and fabricated structural metal products	59	62	27	30	5	28	70	42	29	
41	Screw machine products and stampings	42	128	21		17	22	44	9	11	
42	Other fabricated metal products	109	24	40	25	24	21	45	25	15	
43	Engines and turbines	566	7		22			171	43	4	
44	Farm and garden machinery	3	10	8	7		3	22	10	45	
45	Construction and mining machinery	49			33			105	3	20	
46	Materials handling machinery and equipment	12				7		52	6	15	
47	Metalworking machinery and equipment	38	6	7	8	22	1	41	22	3	
48	Special industry machinery and equipment	9	4	4	5	6	2	20	1	25	
49	General industrial machinery equipment	92	58	33	11	54	5	183	22	23	
50	Miscellaneous machinery, except electrical	7	5	4	5	10	21	268	22	2	
51	Office, computing, and accounting machines	124	11	28	103	1,304	49		50	22	
52	Service industry machines	14	230	17	18	12	32	544		1	
53	Electric industrial equipment and apparatus	24,964	19	168	153	346	30	44	8	5	
54	Household appliances	76	11,005	12	38		26	43	13		
55	Electric lighting and wiring equipment	140		10,628	115	131	42	110		7	
56	Radio, TV, and communication equipment	315	13	60	50,307	824	7	70	49	4	
57	Electronic components and accessories	135	10	156	402	29,553	78	30	37		
58	Miscellaneous electrical machinery and supplies	110	1	45	36	47	11,044	224	15		
59	Motor vehicles and equipment	203	89	88	4		265	107,715	69	64	
60	Aircraft and parts	106		69	379	113		104	54,353	151	
61	Other transportation equipment	149		(*)	3	9	16		116	35	25,045
62	Scientific and controlling instruments	179	27		56	210	113	37	72	28	6
63	Optical, ophthalmic, and photographic equipment	30	12	166	178	113	27	16	39		
64	Miscellaneous manufacturing	1	6	12	28	12	5	4	8	12	
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		27,667	11,809	11,818	52,971	33,175	11,907	110,674	55,613	25,717

\* Less than \$500,000.

**by Industries, 1982—Continued**

at producers' prices]

Table 2.—The Make of Commodities by Industries, 1982—Continued

[Millions of dollars at producers' prices]

Industry 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	Commodity number	Federal Govern- ment enter- prises	State and local govern- ment enter- prises	Scrap and used goods	Govern- ment industry	Rest of the world industry	House- hold industry	Inventory valuation adjust- ment	Total industry output
			78	79	81	82	83	84	85	
1	Livestock and livestock products.....									78,464
2	Other agricultural products.....									96,394
3	Forestry and fishery products.....									6,564
4	Agricultural, forestry, and fishery services.....									12,109
5	Iron and ferroalloy ore mining.....									2,317
6	Nonferrous metal ores mining.....									3,964
7	Coal mining.....									28,332
8	Crude petroleum and natural gas.....									157,755
9	Stone and clay mining and quarrying.....									6,698
10	Chemical and fertilizer mineral mining.....									3,363
11	New construction.....									275,280
12	Repair and maintenance construction.....									109,095
13	Ordnance and accessories.....				15					17,791
14	Food and kindred products.....									274,094
15	Tobacco manufactures.....				1					20,211
16	Broad and narrow fabrics, yarn and thread mills.....									33,025
17	Miscellaneous textile goods and floor coverings.....									10,506
18	Apparel.....									53,305
19	Miscellaneous fabricated textile products.....									10,043
20	Lumber and wood products, except containers.....				4					39,265
21	Wood containers.....				(*)					597
22	Household furniture.....				(*)					12,653
23	Other furniture and fixtures.....				4					11,003
24	Paper and allied products, except containers.....				2					59,688
25	Paperboard containers and boxes.....				(*)					18,793
26	Printing and publishing.....				30					86,157
27	Chemicals and selected chemical products.....				5					78,617
28	Plastics and synthetic materials.....				2					27,852
29	Drugs, cleaning and toilet preparations.....				(*)					47,870
30	Paints and allied products.....				5					8,500
31	Petroleum refining and related industries.....									205,459
32	Rubber and miscellaneous plastics products.....									54,435
33	Leather tanning and finishing.....									1,837
34	Footwear and other leather products.....									7,625
35	Glass and glass products.....									12,377
36	Stone and clay products.....									31,692
37	Primary iron and steel manufacturing.....				5					58,868
38	Primary nonferrous metals manufacturing.....				11					47,267
39	Metal containers.....				2					11,968
40	Heating, plumbing, and fabricated structural metal products.....				36					37,187
41	Screw machine products and stampings.....				(*)					21,393
42	Other fabricated metal products.....				16					36,017
43	Engines and turbines.....				260					12,432
44	Farm and garden machinery.....				1					12,542
45	Construction and mining machinery.....				269					23,892
46	Materials handling machinery and equipment.....				50					6,678
47	Metalworking machinery and equipment.....				50					17,233
48	Special industry machinery and equipment.....				146					12,589
49	General industrial machinery equipment.....				33					23,109
50	Miscellaneous machinery, except electrical.....				11					14,981
51	Office, computing, and accounting machines.....				212					40,695
52	Service industry machines.....				5					15,425
53	Electric industrial equipment and apparatus.....				15					26,605
54	Household appliances.....				2					12,035
55	Electric lighting and wiring equipment.....				(*)					11,759
56	Radio, TV, and communication equipment.....				398					53,483
57	Electronic components and accessories.....				6					32,622
58	Miscellaneous electrical machinery and supplies.....				7					12,004
59	Motor vehicles and equipment.....				22					111,511
60	Aircraft and parts.....				47					58,488
61	Other transportation equipment.....				17					26,160
62	Scientific and controlling instruments.....				186					22,930
63	Optical, ophthalmic, and photographic equipment.....				15					20,961
64	Miscellaneous manufacturing.....				23					27,573
65	Transportation and warehousing.....				86					213,704
66	Communications, except radio and TV.....									95,313
67	Radio and television broadcasting.....									14,341
68	Private electric, gas, water, and sanitary services.....		1,096							240,175
69	Wholesale and retail trade.....									555,436
70	Finance and insurance.....									226,865
71	Real estate and rental.....									483,767
72	Hotels; personal and repair services (except auto).....									74,074
73	Business services.....									273,897
74	Eating and drinking places.....									148,220
75	Automobile repair and services.....									68,492
76	Amusements.....									40,268
77	Health, educational, and social services and nonprofit organizations.....									311,674
78	Federal Government enterprises.....	25,359		9,169						33,813
79	State and local government enterprises.....				333,815					42,568
80	Government industry.....					51,412				333,815
81	Rest of the world industry.....						7,660			51,412
82	Household industry.....							-11,229		7,660
83	Inventory valuation adjustment.....								-11,229	-11,229
T	Total commodity output.....	25,359	10,265	1,997	333,815	51,412	7,660	-11,229		5,911,804

\* Less than \$500,000.

# County and Metropolitan Area Personal Income, 1984-86

## Revision Schedule for Regional Estimates

The annual estimates of State and local area personal income for a given year are subject to successive refinement. Preliminary State estimates for the preceding year, published in the April issue of the SURVEY OF CURRENT BUSINESS, are derived from the State quarterly series. In August, more reliable annual estimates are published in more component detail, derived primarily from Federal and State government administrative records. The August estimates are subsequently revised to incorporate newly available information used to prepare the current local area estimates; the revised State estimates are published the following April, together with the consistent local area estimates.

THIS article introduces a comprehensive revision to the local area personal income estimates for 1969-84, together with estimates for 1985-86, which are presented for the first time. The local area revision reflects the comprehensive revision of the national income and product accounts presented in the December 1985 SURVEY OF CURRENT BUSINESS, the comprehensive revision of the State personal income estimates presented in the August 1986 SURVEY, and the use of newly available or more current source data and improved estimating techniques for many income components at the county level.

The estimates presented here are total and per capita personal income for 1984-86. Table 1 contains estimates for county-based metropolitan areas, as defined by the U.S. Office of Management and Budget.<sup>1</sup> Table 2 contains estimates for 3,105 counties and county equivalents. The separate estimates for the smaller Virginia independent cities (generally those with fewer than 100,000 inhabitants) have been discontinued, because the geographic coding of the source data for these small areas has proved to be unreliable. Instead, the smaller independent cities are combined with adjacent counties in these estimates.

The estimates for 1981-86, including income by major type and labor

Both the State and local area estimates are subject to further revision for several years (the State estimates in August and April and the local area estimates in April) to incorporate changes in the national estimates and more complete information for States and local areas.

Approximately every 5 years, the estimates are further changed to incorporate a comprehensive revision of the national income and product accounts and new or more current State and local area information. With the revised local area estimates presented here, the latest cycle of comprehensive revisions is now complete for 1969 and later years. Work on the revision to the 1929-68 State estimates is now in process.

and proprietors' earnings by Standard Industrial Classification (SIC) industry division, will be presented in the forthcoming five-volume set *Local Area Personal Income, 1981-86*. A detailed description of the sources and methods used to derive the estimates will be included in each volume. The full set of estimates for 1969-86, in greater industrial detail, is available in several forms (including microcomputer diskette for the first time) from BEA's Regional Economic Information System, as explained on page 49.

The sources of the revision of local area personal income consist of definitional and classificational changes (described in the August 1986 SURVEY) and statistical changes. Three of the

six definitional and classificational changes were estimated explicitly at the county level and are described under transfer payments. The other three changes, as well as most of the statistical changes made at the national and State levels, involved detailed estimation that could not be replicated at the county level. The changes were extended implicitly to counties through changes to the State estimates. Except for the three definitional and classificational changes estimated explicitly, the revisions discussed in the following sections are statistical changes resulting from the introduction of new source data at the county level. The discussions are confined to the estimates for recent years.

## Acknowledgments

The revised estimates of local area personal income were prepared under the direction of Linnea Hazen, Chief, Regional Economic Measurement Division.

Estimates of civilian labor income (wages and salaries and other labor income) were prepared by the Regional Wage Branch, under the supervision of Carol E. Evans, Chief. Major responsibilities were assigned to Sharon C. Carnevale, C. Brian Grove, and James M. Scott. Other staff contributors were: E. Frances Bake, Patricia M. Coakley, Elizabeth P. Cologer, Eddie L. Key, Russell C. Lusher, Richard A. Lutyk, Lisa C. Ninomiya, Adrienne T. Pilot, Michael G. Pilot, William E. Reid, Jr., John A. Rusinko, Victor Sahadachny, Michelle V. Thomas, John S. Turner, John A. Vanderwolf, and Jaime Zenzano.

Estimates of Federal military income, transfer payments, personal contributions for social insurance, and the residence adjustments were prepared by the Quarterly Income Branch, under the supervision of Robert L. Brown, Chief. Staff contributors were: Thelma E. Harding, John M. Reed, Albert Silverman, James P. Stehle, Isabelle B. Whiston, Ellen M. Wright, Daniel Zabronsky, and Marianne A. Ziver.

Estimates of dividends, interest, rent, and proprietors' income were prepared by the Proprietors' Income Branch, under the supervision of Arthur L. Sensenig, Chief. Major responsibilities were assigned to Charles A. Jolley and James M. Zavrel. Other staff contributors were: Elaine M. Briccetti, Dean J. Fusco, Richard H. Grayson, and Tou I. Pomsouvan.

Public-use tabulations, data files, and this article were prepared by the Regional Economic Information System Branch, under the supervision of Linnea Hazen. Major responsibilities were assigned to Kathy A. Albetski, Wallace K. Bailey, Kenneth P. Berkman, and Gary V. Kennedy. Other staff contributors were: Eairla A. Hawkins, Louise T. Johnson, Susan J. Lease-Trevathan, Lela S. Lester, Jeffrey L. Newman, Michael J. Paris, Elizabeth R. Self, Hilda G. Tolson, Darlene C. Robinson, and Mary C. Williams.

1. For a discussion of the metropolitan area concepts and a list of the areas and their components, see U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States: 1988* (Washington, DC: U.S. Government Printing Office, 1987), pp. 872-881.

### *Wages and salaries*

The estimates of *farm wages and salaries* for 1982 and later years are now based on data from the 1982, instead of the 1978, Census of Agriculture.

The improved methodologies for *private households* and *railroads* are the same as those introduced at the State level. The estimates for private households are now based on unpublished place-of-work wage and employment data from the 1980 Census of Population, instead of on the place-of-residence employment data used previously from the 1970 Census of Population. The metropolitan county estimates for railroads are now based on Association of American Railroads employment data (now available separately for each railroad company) weighted by Interstate Commerce Commission national data on average compensation by railroad company. The estimates for nonmetropolitan counties are based on the 1980 unpublished place-of-work wage data.

The new methodologies for *private education* and *membership organizations* involve the separate estimation of segments of those industries that are not completely covered by unemployment insurance (UI). Wage data from the UI tax system were previously the basis for the county distributions of the entire industries. In about one-half of the States, the UI coverage of private elementary and secondary schools is broad enough to permit the continued use of the UI wage data as the basis for the estimates of that segment. The estimates for the other States now reflect county employment data from State education departments, where available, or from the U.S. Department of Education. The UI coverage of religious membership organizations generally extends to the larger organizations only; the resulting concentration of the UI wage series in the larger metropolitan counties is unrepresentative of the segment as a whole. In the absence of a comprehensive alternative series, the county estimates are now based on the distribution of civilian population.

The county estimates of *State government wages and salaries* in 43 States continue to be based on UI wage data. For the other States, the use of the employment distribution from the 1967 Census of Governments

as the basis for the estimates has been discontinued. Instead, the education segment in all of those States and the noneducation segment in one of them are now also based on UI wage data. In the remaining noneducation segments, because of inadequate geographic coding of the UI wage tabulations, the county estimates of State government wages and salaries are based on unpublished place-of-work wage data from the 1980 Census of Population.

### *Other labor income*

The separate estimates of private sector *employer contributions to private welfare funds* (except workers' compensation) have been discontinued because separate national estimates by industry are no longer prepared. Instead, the total of employer contributions to private pension and welfare funds for each two-digit SIC industry is apportioned to counties by the distribution of wages and salaries. Previously, employment distributions had been used for the welfare funds portion.

### *Proprietors' income*

*Farm proprietors' income*.—Those components of farm gross income and expenses that were formerly based on the 1978 Census of Agriculture are now based on the 1982 Census of Agriculture. The defaulters' gain adjustment, which was introduced as part of farm proprietors' income beginning with 1983, is given the same census-based county distribution as farm interest expense.

*Nonfarm proprietors' income (NFPI)*.—The estimates of NFPI were affected by a large increase at the national level in the adjustments for income not reported on tax returns. These "underground economy" adjustments account for almost one-half of NFPI in recent years.

At the State and county levels, the estimates of the income of nonfarm sole proprietors and partners have been improved by the use of source data that are more comprehensive, detailed, and current than those used previously. The new data were drawn from Internal Revenue Service (IRS) form 1065 (for partnerships) and Schedule C of form 1040 (for sole proprietors) for 1981-83. The data used for the estimates are tabulations of net profit less loss (NPLL) and of

gross receipts by two-digit SIC industry from the two forms combined.

The methodology used for the revised county estimates is similar to that used for the State estimates, but source data problems, which tend to be more acute for counties than for States, required that less direct source data be used for many industries. The NPLL data are highly volatile for many industries, indicating that they are unreliable. The gross receipts data for manufacturing industries also proved to be too volatile for reliability at the county level.

For each of 14 nonmanufacturing industries (out of a total of 64 two-digit SIC industries) together accounting for more than 80 percent of total NFPI, the 1981-83 county estimates were prepared separately for two segments. The underground economy adjustments for these industries were allocated to counties in proportion to the distribution of gross receipts, and the rest of NFPI was allocated by NPLL. The county estimates for all of NFPI in each of an additional 26 non-manufacturing industries, together accounting for less than 15 percent of NFPI, were also allocated by the gross receipts series. The 1983 estimates for these 40 industries were extrapolated to 1984 by the relative changes in the number of small firms, as reported in the Census Bureau's annual publication *County Business Patterns*. The 1985-86 estimates are given the same county distributions as the 1984 estimates.

In the absence of reliable direct data, the estimates for the 21 manufacturing industries, accounting for less than 2 percent of NFPI, are based on the county distribution of wages and salaries for each industry.

For the three remaining industries, limited partners' income presents a special estimating problem. In these industries—crude petroleum and natural gas extraction, real estate, and holding and other investment companies—limited partnerships are often used as tax shelters. Limited partners' participation in partnerships is often purely financial; their participation more closely resembles that of stockholder-investors than that of working partners. Accordingly, the usual assumption that the county from which the partnership files its tax return is the same as the residence of the partners is unsatisfactory. No direct data on the income of

these partners by their place of residence are available. The State estimates of proprietors' income for these industries, usually accounting for less than 3 percent of NFPI, are allocated to counties in the same proportion as dividends received by individuals (based on all-industry dividends reported on IRS form 1040).

#### *Personal interest income*

The county estimates of two segments of *monetary interest received by individuals* were improved by the introduction of more appropriate county-level source data. First, interest paid by money market mutual funds, reported to the IRS as dividends, is now based on the IRS county distribution of dividends rather than the interest distribution used previously. Second, municipal bond interest now reflects the distribution of high-income households by county from the 1980 Census of Population, rather than the distribution of the civilian population used previously.

#### *Transfer payments*

*Definitional and classificational changes.*—Of the changes made explicitly at the county level, two added new components to transfer payments, and the third expanded the coverage of an existing component. *Medical vendor payments* consist of Medicaid and general assistance medical payments of State and local governments. The county estimates are based on payments data, where available, from the State departments of social services. For the other States, the estimates reflect the county distribution of payments made under the Aid to Families with Dependent Children program. Payments under the *Civilian Health and Medical Plan of the Uniformed Services (CHAMPUS)* program are for medical treatment at nonmilitary facilities of dependents of active duty military personnel and retired military personnel and their de-

pends. Payments data are not available below the State level; the county estimates reflect the distribution of military retirement payments. The definition of *low-income energy assistance* has been expanded to include payments made directly to fuel vendors, as well as those made to individual beneficiaries. The county estimates reflect payments data, where available, from the State departments of social services. In the other States, the estimates continue to reflect the county distribution of the number of persons receiving supplemental security income.

*Statistical changes.*—The estimates of payments received from *railroad retirement, supplemental security income, and veterans pensions and readjustment benefits* have all been improved by the introduction of current-year payments data from the Federal agencies administering the programs. Previously, railroad retirement had been based on a 1971 series and the other components on indirect indicators.

#### *Residence adjustment*

Almost all of wages and salaries and of other labor income and most of personal contributions for social insurance are estimated on a place-of-work basis and must be converted to a place-of-residence basis for the derivation of State and local area personal income, which is defined as the income received by the residents of an area. The conversion is made by the addition of the net inflows of commuters' earnings (total inflows less total outflows), termed the "net residence adjustment." Unlike the estimates of the components of personal income, the estimates of net residence adjustment are made at the county level, and the State estimates are derived as the sum of the counties.

The 1980 residence adjustment estimates now reflect detailed estimation of the intercounty flows of commuters' earnings, based on journey-to-

work data from the 1980, instead of the 1970, Census of Population. The methodology for extending the 1980 estimates of net residence adjustment to later years (using the relative changes in BEA place-of-work wages and place-of-residence wages tabulated from IRS form 1040) is essentially unchanged, but procedures used to screen out anomalous results have been improved.

\* \* \*

#### **Data Availability**

Personal income by type of payment and earnings by SIC industry division, as shown in table A, are available for metropolitan areas and counties for 1969-86. An expanded version of this table that includes earnings by two-digit SIC industry is also available. In addition, there are supplemental tables for employment by industry division, transfer payments by program, and major categories of farm income and expenses.

These tables are available on magnetic tape, computer printouts, microfiche, and—for the first time—microcomputer diskette. Magnetic tape files are priced at \$200 per reel. For each table series except the more detailed two-digit SIC industry income table, all years of data for all the counties or all the metropolitan areas of the Nation are available on a single reel. The county file of the more detailed version of the income table occupies two reels. The tables in forms other than magnetic tape are priced by page, microfiche, or diskette; the cost of an order will depend on the number of table series, areas, and years of data ordered. For further information, write to Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C. 20230.

**Table A.—Example of Available Data for Local Areas: Personal Income by Major Source and Earnings by Major Industry, 1981–84<sup>1</sup>**

[Thousands of dollars]

New London County, Connecticut	1981	1982	1983	1984	1985	1986
<b>Income by Place of Residence</b>						
Total personal income .....	2,769,489	3,038,646	3,329,695	3,666,298	3,890,457	4,114,095
Nonfarm personal income .....	2,752,744	3,013,532	3,307,540	3,629,839	3,859,104	4,075,080
Farm income <sup>2</sup> .....	16,745	25,114	22,155	36,459	31,353	39,015
Population (thousands) <sup>3</sup> .....	24071.3	24110.3	24416.4	24593.8	24545.2	24643.1
Per capita personal income (dollars) .....	11,505	12,603	13,637	14,907	15,850	16,695
Derivation of total personal income:						
Total earnings by place of work .....	2,114,819	2,331,046	2,620,860	2,881,734	3,056,947	3,055,307
Less: Personal contributions for social insurance <sup>4</sup> .....	119,205	134,581	151,142	166,846	183,823	184,825
Plus: Residence adjustment <sup>5</sup> .....	-37,826	-49,113	-84,129	-83,272	-76,613	80,628
Equals: Net earnings by place of residence .....	1,957,788	2,147,352	2,385,589	2,631,616	2,796,511	2,951,110
Plus: Dividends, interest, and rent <sup>6</sup> .....	452,231	493,499	515,267	587,044	609,717	653,440
Plus: Transfer payments .....	359,470	397,795	428,889	447,638	484,229	509,545
<b>Earnings by Place of Work</b>						
Components of earnings:						
Wage and salary disbursements .....	1,801,085	1,990,541	2,230,534	2,448,172	2,597,894	2,576,933
Other labor income .....	195,518	223,099	250,246	260,044	270,410	259,464
Proprietor's income <sup>7</sup> .....	118,216	117,406	140,080	173,518	188,643	218,910
Farm .....	8,155	15,476	12,928	27,498	22,262	29,861
Nonfarm .....	110,061	101,930	127,152	146,020	166,381	189,049
Earnings by industry:						
Farm .....	16,745	25,114	22,155	36,459	31,353	39,015
Nonfarm .....	2,098,074	2,305,932	2,598,705	2,845,275	3,025,594	3,016,292
Private .....	1,627,429	1,799,919	2,043,008	2,225,820	2,362,992	2,327,048
Agricultural services, forestry, fisheries, and other <sup>8</sup> .....	4,218	4,274	5,962	5,486	6,402	7,597
Mining .....	8,046	7,250	5,810	6,629	9,420	9,651
Construction .....	134,736	205,777	311,361	352,685	304,701	166,123
Manufacturing .....	852,864	912,847	953,525	1,002,541	1,068,956	1,069,702
Nondurable goods .....	178,878	191,865	204,148	217,847	235,511	246,829
Durable goods .....	673,936	720,982	749,377	784,694	833,445	822,873
Transportation and public utilities .....	85,363	99,362	111,606	126,082	151,905	153,477
Wholesale trade .....	58,776	58,466	63,010	67,355	75,024	75,854
Retail trade .....	176,476	181,189	209,669	231,850	259,987	285,667
Finance, insurance, and real estate .....	37,553	30,953	41,824	46,642	53,016	69,861
Services .....	269,397	299,801	339,736	386,550	433,581	489,116
Government and government enterprises .....	470,645	506,013	555,702	619,455	662,602	689,244
Federal, civilian .....	94,469	97,353	104,385	116,568	119,060	119,760
Military .....	203,784	222,974	246,283	273,489	288,431	295,090
State and local .....	172,392	185,686	205,034	229,398	255,111	274,394

1. Estimates on 1972 SIC.

2. Farm income consists of proprietors' net farm income, the wages of hired farm labor, the pay-in-kind of hired farm labor, and the salaries of officers of corporate farms.

3. Midyear population estimates of the Bureau of the Census. Estimates for 1981–86 reflect revisions available as of March 1988.

4. Personal contributions for social insurance are included in earnings by type and industry but excluded from personal income.

5. U.S. adjustment for residence consists of adjustments for border workers: income of U.S. residents commuting outside U.S. borders to work less income of foreign residents commuting inside U.S. borders to work plus certain Caribbean seasonal workers.

6. Includes the capital consumption adjustment for rental income of persons.

7. Includes the inventory valuation and capital consumption adjustments.

8. "Other" consists of the wages and salaries of U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

<sup>a</sup> Not shown to avoid disclosure of confidential information.

<sup>b</sup> Less than \$50,000. Estimates are included in totals.

<sup>c</sup> The estimate shown here constitutes the major portion of the true estimate.

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Areas, 1984-86

Area name	Total personal income			Per capita personal income <sup>a</sup>				Area name	Total personal income			Per capita personal income <sup>a</sup>					
	Millions of dollars			Percent change <sup>2</sup>	Dollars				Millions of dollars			Percent change <sup>2</sup>	Dollars			Rank in U.S.	
	1984	1985	1986		1984	1985	1986		1984	1985	1986		1984	1985	1986		
United States <sup>1</sup>	3,101,163	3,320,346	3,528,589	6.3	13,116	13,910	14,639	.....	Cheyenne, WY	948	996	1,020	2.5	12,872	13,580	13,567	155
Metropolitan portion	2,527,535	2,717,169	2,894,798	6.5	13,977	14,856	15,642	.....	Chicago, IL *	98,053	98,100	104,250	6.3	15,113	15,900	16,847	37
Nonmetropolitan portion	573,628	603,177	633,791	5.1	10,316	10,811	11,323	.....	Chico, CA	1,736	1,865	2,015	8.0	10,969	11,433	12,088	244
Consolidated Metropolitan Statistical Areas <sup>4</sup>								.....	Cincinnati, OH-KY-IN *	18,469	19,628	20,983	6.9	13,115	13,888	14,791	86
Buffalo, NY	15,923	16,063	16,890	5.1	12,849	13,556	14,894	.....	Clarksville-Hopkinsville, TN-KY	1,441	1,535	1,646	7.2	9,492	9,974	10,663	299
Chicago, IL	119,545	126,332	133,924	6.0	14,839	15,634	16,501	.....	Cleveland, OH *	27,200	28,602	30,043	5.0	14,574	15,401	16,238	48
Cincinnati, OH	21,744	23,115	24,649	6.6	12,997	13,748	14,588	.....	Colorado Springs, CO	4,579	5,063	5,386	6.4	12,992	13,789	14,159	124
Cleveland, OH	88,567	90,646	42,560	4.7	13,843	14,659	15,389	.....	Columbia, MO	1,242	1,320	1,409	6.7	11,828	12,583	13,231	174
Dallas, TX	52,547	58,146	60,690	4.4	15,548	16,492	16,603	.....	Columbia, SC	4,919	5,335	5,745	7.7	11,360	12,242	12,920	187
Denver, CO	28,435	30,092	31,433	4.5	15,820	16,462	17,014	.....	Columbus, GA-AL	2,452	2,618	2,789	6.5	9,967	10,574	11,134	288
Detroit, MI	65,896	72,041	76,769	6.6	14,380	15,688	16,686	.....	Columbus, OH	16,415	17,687	18,810	6.3	12,873	13,745	14,476	101
Houston, TX	52,213	54,572	54,101	-9	14,541	15,138	14,886	.....	Corpus Christi, TX	4,034	4,357	4,306	-1.2	11,286	12,110	11,853	258
Los Angeles, CA	189,261	205,928	222,432	8.0	15,155	16,139	17,012	.....	Cumberland, MD-WV	1,070	1,105	1,165	5.4	10,261	10,717	11,402	279
Miami, FL	40,407	43,650	47,010	7.7	14,274	15,238	16,144	.....	Dallas, TX *	36,224	39,991	41,829	4.6	16,257	17,221	17,419	28
Milwaukee, WI	22,216	23,304	24,550	5.3	14,342	15,022	15,818	.....	Danville, VA	1,198	1,221	1,276	4.5	10,780	11,019	11,560	271
New York, NY	296,236	317,663	343,124	8.0	16,724	17,859	19,238	.....	Davenport-Rock Island-Moline, IA-IL	4,813	4,951	5,049	2.0	12,626	13,187	13,597	153
Philadelphia, PA	82,356	88,903	94,919	6.8	14,302	15,364	16,274	.....	Dayton-Springfield, OH	11,953	12,783	13,488	5.5	12,864	13,737	14,449	105
Pittsburgh, PA	30,733	31,952	33,209	3.9	12,972	13,687	14,338	.....	Daytona Beach, FL	3,500	3,861	4,185	8.4	11,646	12,424	13,041	182
Portland, OR	17,995	19,088	20,212	5.9	13,447	14,139	14,818	.....	Decatur, IL	1,580	1,662	1,702	2.4	12,281	12,958	13,434	162
San Francisco, CA	102,338	110,421	117,968	6.8	17,931	18,029	20,070	.....	Denver, CO *	25,153	26,615	27,740	4.2	15,844	16,476	16,986	35
Seattle, WA	32,934	35,512	38,378	8.1	14,897	15,779	16,799	.....	Des Moines, IA	5,241	5,505	5,802	5.4	13,898	14,499	15,216	69
Metropolitan Statistical Areas <sup>5</sup>								.....	Detroit, MI *	61,815	67,577	71,847	6.3	14,304	15,607	16,575	40
Abilene, TX	1,527	1,643	1,646	.2	12,481	13,869	13,078	179	Dothan, AL	1,269	1,365	1,449	6.2	9,897	10,633	11,158	285
Akron, OH *	8,286	8,763	9,222	5.2	12,768	13,580	14,302	115	Dubuque, IA	1,024	1,052	1,083	3.0	11,119	11,448	11,894	254
Albany, GA	1,185	1,251	1,312	4.9	10,109	10,636	11,196	284	Duluth, MN-WI	2,744	2,793	3,292	3.5	10,876	11,287	11,875	257
Albany-Schenectady-Troy, NY	11,089	11,807	12,688	7.5	13,250	14,071	15,041	75	Eau Claire, WI	1,470	1,542	1,667	8.1	10,779	11,309	12,190	241
Albuquerque, NM	5,599	6,148	6,519	6.0	12,303	13,218	13,742	139	El Paso, TX	4,616	4,906	5,153	5.0	8,580	8,931	9,177	313
Alexandria, LA	1,372	1,452	1,499	3.2	9,855	10,437	10,738	298	Ekhart-Goshen, IN	1,770	1,859	2,012	8.2	12,373	12,797	13,740	140
Allentown-Bethlehem, PA-NJ	8,782	9,363	9,812	4.8	13,578	14,390	14,939	79	Elmira, NY	1,066	1,096	1,153	5.2	11,526	12,003	12,735	202
Altoona, PA	1,345	1,439	1,514	5.2	10,070	10,823	11,429	278	Enid, OK	872	865	858	-9	13,222	13,487	13,642	150
Amarillo, TX	2,498	2,688	2,672	1.8	13,014	13,616	13,684	147	Erie, PA	3,174	3,359	3,497	4.1	11,253	12,046	12,524	216
Anaheim-Santa Ana, CA *	38,656	40,275	43,670	8.4	17,558	18,935	20,154	9	Eugene-Springfield, OR	2,968	3,112	3,268	5.0	11,140	12,419	12,419	220
Anchorage, AK	4,623	4,839	4,829	-2	20,319	20,829	20,550	6	Gainesville, IN-KY	3,586	3,753	3,931	4.7	12,751	13,312	13,979	130
Anderson, IN	1,594	1,672	1,732	3.6	11,908	12,025	13,053	181	Fort Lauderdale-Hollywood-Pompano Beach, FL *	17,720	19,242	20,710	7.6	16,095	17,178	18,128	23
Anderson, SC	1,383	1,452	1,537	5.9	9,997	10,411	10,922	294	Fort Myers-Cape Coral, FL	3,351	3,786	4,146	9.5	13,132	14,190	14,854	82
Ann Arbor, MI *	4,081	4,464	4,922	10.3	15,652	17,036	18,505	20	Fort Pierce, FL	2,509	2,794	3,000	7.4	13,117	14,064	14,587	93
Anniston, AL	1,167	1,233	1,297	5.2	9,335	9,978	10,476	304	Fort Smith, AR-OK	1,722	1,843	1,961	6.4	10,078	10,626	11,145	236
Appleton-Oshkosh-Neenah, WI	3,729	3,963	4,239	7.0	12,347	13,018	13,786	137	Fort Walton Beach, FL	1,376	1,503	1,642	9.2	10,605	11,128	11,620	266
Asheville, NC	1,870	2,006	2,139	6.6	11,244	11,912	12,587	211	Fort Wayne, IN	4,367	4,709	5,181	9.0	12,516	13,387	14,409	109
Athens, GA	1,444	1,565	1,731	10.6	10,522	11,223	12,324	239	Fort Worth-Arlington, TX *	16,322	18,156	18,861	3.9	14,177	15,084	15,041	75
Atlanta, GA	84,082	88,221	92,012	9.9	14,324	15,478	16,408	44	Fresno, CA	6,813	7,445	7,873	5.7	12,047	12,925	13,397	165
Atlantic City, NJ	4,755	5,153	5,520	7.1	16,458	17,546	18,563	19	Gadsden, AL	1,001	1,045	1,077	3.0	9,710	10,234	10,525	303
Augusta, GA-SC	4,068	4,481	4,836	7.9	10,991	11,790	12,399	223	Gainesville, FL	1,943	2,131	2,284	7.2	10,103	10,787	11,434	277
Aurora-Elgin, IL *	4,683	5,035	5,245	4.2	14,171	14,987	15,294	65	Gainesville-Texas City, TX *	2,843	2,963	2,948	-7	13,353	13,857	13,700	144
Austin, TX	8,952	10,137	10,565	4.2	13,769	14,530	14,544	96	Gary-Hammond, IN *	7,264	7,535	7,643	1.4	11,592	12,157	12,434	219
Bakersfield, CA	5,723	6,220	6,636	6.7	12,345	12,970	13,429	163	Glens Falls, NY	1,173	1,260	1,342	6.5	10,596	11,297	11,943	251
Baltimore, MD	32,567	35,185	37,481	6.5	14,551	15,627	16,439	43	Grand Forks, ND	752	788	831	5.5	10,888	11,367	11,976	247
Bangor, ME (NECMA)	1,477	1,550	1,651	6.5	10,673	11,247	11,943	251	Grand Rapids, MI	8,062	8,715	9,330	7.1	12,921	13,740	14,380	113
Baton Rouge, LA	6,465	6,734	6,682	-8	12,026	12,408	12,423	236	Great Falls, MT	987	1,000	1,034	3.4	12,118	12,375	13,020	184
Battle Creek, MI	1,547	1,656	1,731	4.4	11,312	12,168	12,634	209	Greely, CO	1,488	1,551	1,657	6.8	11,183	11,562	12,271	234
Beaumont-Port Arthur, TX	4,802	4,865	4,819	-9	12,527	12,811	12,824	194	Green Bay, WI	2,361	2,526	2,698	6.8	12,853	13,647	14,414	107
Beaver County, PA *	2,215	2,258	2,211	-2.1	11,180	11,579	11,443	276	Greensboro-Winston-Salem-High Point, NC	11,262	12,142	13,044	7.4	12,730	13,576	14,501	99

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Areas, 1984-86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars			Percent change <sup>b</sup>	Dollars			Millions of dollars			Percent change <sup>b</sup>	Dollars		Rank in U.S.			
	1984	1985	1986		1984	1985		1984	1985	1986		1984	1985				
							1986							1986			
Knoxville, TN	6,368	6,736	7,208	7.0	10,807	11,434	12,193	240	Provo-Orem, UT	1,839	1,969	2,051	4.2	7,762	8,202	8,528	314
Kokomo, IN	1,289	1,396	1,419	1.6	12,708	13,753	13,993	128	Pueblo, CO	1,298	1,353	1,403	3.7	10,302	10,734	11,035	291
LaCrosse, WI	1,151	1,215	1,278	5.2	12,261	12,902	13,582	154	Racine, WI	2,310	2,403	2,482	3.3	13,488	14,001	14,410	108
Lafayette, LA	2,736	2,869	2,730	-4.9	12,774	13,248	12,523	217	Raleigh-Durham, NC	8,231	9,294	10,149	9.2	13,493	14,723	15,599	58
Lafayette, IN	1,381	1,470	1,565	6.5	11,101	11,806	12,583	212	Rapid City, SD	874	906	965	6.5	11,579	11,864	12,544	214
Lake Charles, LA	1,875	1,906	1,915	.5	10,710	10,939	11,065	289	Reading, PA	4,547	4,792	5,036	5.1	14,295	15,046	15,639	57
Lake County, IL	8,161	8,916	9,731	9.1	17,773	19,028	20,265	8	Redding, CA	1,470	1,578	1,705	9.0	11,586	12,092	12,814	196
Lakeland-Winter Haven, FL	3,826	4,122	4,338	5.2	10,691	11,189	11,500	273	Reno, NV	3,386	3,651	3,923	7.5	15,837	16,608	17,469	27
Lancaster, PA	4,967	5,359	5,777	7.8	12,988	13,836	14,680	88	Richland-Kennewick-Pasco, WA	1,828	1,891	1,979	4.6	12,380	12,797	13,232	173
Lansing-East Lansing, MI	5,223	5,594	5,977	6.9	12,595	13,417	14,071	125	Richmond-Petersburg, VA	11,349	12,277	13,275	8.1	14,327	15,335	16,385	46
Laredo, TX	733	794	827	4.2	6,261	6,712	6,850	316	Riverside-San Bernardino, CA	23,025	25,589	27,473	7.4	12,682	13,461	13,729	142
Las Cruces, NM	975	1,098	1,174	6.9	8,524	9,274	9,544	312	Roanoke, VA	2,884	3,092	3,288	6.3	12,994	13,876	14,623	90
Las Vegas, NV	7,160	7,826	8,484	8.4	13,242	14,211	14,398	80	Rochester, MN	1,456	1,542	1,645	6.7	15,150	15,831	16,798	38
Lawrence, KS	744	799	856	7.2	10,615	11,197	11,789	260	Rochester, NY	13,965	14,960	15,854	6.0	14,298	15,336	16,172	49
Lawton, OK	1,168	1,239	1,271	2.6	9,592	10,267	10,528	302	Rockford, IL	3,635	3,852	4,053	5.2	13,081	13,760	14,458	104
Lewiston-Auburn, ME (NECMA)	1,108	1,157	1,253	8.8	11,000	11,466	12,395	224	Sacramento, CA	16,469	18,206	19,328	8.9	13,475	14,494	15,354	63
Lexington-Fayette, KY	4,299	4,521	4,742	4.9	13,166	13,716	14,285	116	Seguin-Bay City-Midland, MI	5,030	5,349	5,555	3.8	12,283	13,215	13,763	138
Lima, OH	1,794	1,902	2,025	6.5	11,701	12,347	13,189	177	St. Cloud, MN	1,794	1,911	2,042	6.8	10,507	11,074	11,664	265
Lincoln, NE	2,509	2,692	2,829	5.1	12,333	13,113	13,731	141	St. Joseph, MO	1,002	1,053	1,108	5.2	11,636	12,290	12,905	188
Little Rock-North Little Rock, AR	5,895	6,393	6,793	6.2	11,959	12,810	13,485	161	St. Louis, MO-IL	34,266	36,497	38,658	5.9	14,257	15,067	15,857	54
Longview-Marshall, TX	1,949	2,069	2,075	.3	11,499	12,208	12,184	242	Salem, OR	2,848	3,046	3,225	5.9	11,067	11,763	12,303	230
Lorain-Elyria, OH *	3,081	3,280	3,296	.5	11,377	12,187	12,178	243	Salinas-Seaside-Monterey, CA	4,482	4,795	5,173	7.9	13,884	14,559	15,228	68
Los Angeles-Long Beach, CA *	120,917	130,561	140,983	7.9	15,118	16,058	16,988	34	Salt Lake City-Ogden, UT	11,150	11,934	12,460	4.4	11,041	11,640	11,964	249
Louisville, KY-IN	11,922	12,527	13,187	5.3	13,171	13,000	13,697	146	Santa Angelo, TX	1,175	1,250	1,282	2.6	12,126	12,803	13,065	180
Lubbock, TX	2,585	2,721	2,769	1.8	11,566	12,218	12,316	228	San Antonio, TX	14,085	15,537	16,221	4.4	11,692	12,514	12,709	206
Lynchburg, VA	1,553	1,627	1,728	6.1	10,895	11,295	11,970	248	San Diego, CA	29,154	32,219	35,090	8.9	14,053	15,108	15,940	53
Macon-Warner Robins, GA	3,048	3,277	3,509	7.1	10,972	11,716	12,438	218	San Francisco, CA *	32,299	34,768	37,384	7.5	20,843	22,139	23,542	2
Madison, WI	4,746	5,088	5,468	7.5	14,084	14,908	15,355	55	San Jose, CA *	25,384	27,133	29,344	8.1	18,421	19,417	20,985	5
Manchester-Nashua, NH (NECMA)	4,648	5,180	5,667	9.4	15,716	16,968	18,031	24	Santa Barbara-Santa Maria-Lompoc, CA	5,228	5,691	6,104	7.2	16,168	17,182	17,986	25
Mansfield, OH	1,584	1,633	1,695	3.8	11,852	12,617	13,160	176	Santa Cruz, CA *	3,069	3,307	3,584	8.4	14,884	15,536	16,403	45
McAllen-Edinburg-Mission, TX	2,210	2,398	2,488	3.8	6,397	6,740	6,800	317	Santa Fe, NM	1,357	1,502	1,613	7.4	13,536	14,553	15,190	70
Medford, OR	1,485	1,565	1,663	6.2	10,899	11,308	11,880	256	Santa Rosa, CA	5,042	5,543	5,860	5.7	14,462	16,583	17,055	38
Melbourne-Titusville-Palm Bay, FL	4,223	4,702	4,995	6.2	12,797	13,528	13,827	185	Savannah, GA	3,953	4,882	4,766	8.8	16,698	17,998	19,248	14
Memphis, TN-AR-MS	11,193	12,001	12,888	7.0	11,935	12,631	13,380	168	Scranton-Wilkes-Barre, PA	2,771	2,964	3,201	8.0	11,866	12,511	13,358	172
Merced, CA	1,651	1,782	1,954	9.7	10,801	11,269	11,950	250	Seattle, WA *	26,602	28,715	31,114	8.4	15,716	16,650	17,768	26
Miami-Hialeah, FL	22,687	24,408	26,300	7.7	13,115	13,992	14,863	81	Sharon, PA	1,372	1,409	1,443	2.4	10,892	11,365	11,680	264
Middlesex-Somerset-Hunterdon, NJ	16,955	18,557	20,087	8.2	18,475	19,929	21,142	4	Sheboygan, WI	1,333	1,388	1,465	5.9	12,974	13,463	14,274	119
Midland, TX	1,713	1,923	1,842	-4.2	16,163	17,719	16,557	41	Sherman-Denison, TX	1,166	1,243	1,295	4.2	12,231	12,835	13,177	175
Milwaukee, WI	19,907	20,901	22,068	5.6	14,449	15,149	15,994	52	Shreveport, LA	4,247	4,469	4,483	3.8	11,866	12,324	12,298	231
Minneapolis-St. Paul, MN-WI	34,494	37,118	39,599	6.7	15,487	16,411	17,253	30	Sioux City, IA-NE	1,377	1,437	1,493	3.9	11,714	12,274	12,880	191
Mobile, AL	4,636	4,950	5,234	5.7	10,689	10,655	11,185	287	Sioux Falls, SD	1,495	1,590	1,677	5.5	12,615	13,084	13,675	148
Modesto, CA	3,442	3,774	4,025	6.7	11,621	12,404	12,714	205	South Bend-Mishawaka, IN	3,017	3,151	3,277	7.2	12,540	13,047	13,986	129
Monmouth-Ocean, NJ *	14,674	16,234	17,526	8.0	16,426	17,788	18,739	17	Spokane, WA	4,204	4,399	4,655	5.8	11,873	12,333	13,041	182
Monroe, LA	1,475	1,568	1,611	2.7	10,262	10,868	11,042	290	Springfield, IL	2,531	2,679	2,853	6.5	13,329	14,068	14,966	77
Montgomery, AL	3,177	3,436	3,661	6.6	11,945	11,635	12,245	235	Springfield, MO	2,554	2,733	2,915	6.6	11,773	12,352	12,935	186
Muncie, IN	1,361	1,416	1,495	5.6	11,006	11,590	12,372	226	Springfield, MA (NECMA)	7,542	8,016	8,633	7.7	12,909	13,695	14,724	87
Muskegon, MI	1,734	1,821	1,903	4.5	11,514	11,605	12,000	245	State College, PA	1,193	1,264	1,362	7.8	10,527	11,063	11,889	255
Naples, FL	1,788	2,032	2,235	10.0	16,043	17,348	18,402	21	Steubenville-Weirton, OH-WV	1,652	1,674	1,692	1.1	10,467	10,672	10,928	293
Nashville, TN	11,092	12,200	13,261	8.7	12,392	13,392	14,248	121	Stockton, CA	4,814	5,200	5,575	7.2	12,099	12,532	12,885	190
Nassau-Suffolk, NY	46,341	49,842	54,055	8.5	17,160	18,954	20,514	7	Syracuse, NY	3,834	3,773	3,269	5.7	12,906	13,517	14,275	117
New Bedford-Fall River-Attleboro, MA (NECMA)	6,049	6,526	6,897	5.7	12,706	13,582	14,224	122	Trenton, NJ	5,258	5,725	6,195	8.2	16,759	18,089	19,309	138
New Haven-Waterbury-Meriden, CT (NECMA)	11,692	12,550	13,504	7.6	15,192	16,231	17,337	29	Tucson, AZ	6,778	7,439	8,074	8.5	11,795			

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name			
	Millions of dollars			Percent change <sup>b</sup>	Dollars			Rank in State	Millions of dollars			Percent change <sup>b</sup>	Dollars			Rank in State	
	1984	1985	1986		1984	1985	1986		1984	1985	1986		1984	1985	1986		
	1985-86	1985-86	1985-86		1986	1986	1986		1986	1986	1986		1986	1986	1986		
United States <sup>c</sup> .....	3,101,163	3,320,346	3,528,589	6.3	13,116	13,910	14,639	.....	Kenai Peninsula Borough.....	577	628	593	-5.6	15,333	15,228	13,742	17
Metropolitan portion.....	2,527,535	2,717,169	2,894,798	6.5	13,977	14,856	15,642	Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Nonmetropolitan portion.....	573,628	603,177	633,791	5.1	10,316	10,811	11,323	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Alabama.....	40,349	43,225	45,854	6.1	10,107	10,747	11,315	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Metropolitan portion.....	27,416	29,524	31,357	6.2	10,770	11,481	12,072	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Nonmetropolitan portion.....	12,933	13,702	14,498	5.8	8,941	9,445	9,963	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Autauga.....	323	354	370	4.4	9,502	10,188	10,375	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Baldwin.....	873	950	1,014	6.7	10,025	10,568	10,985	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Barbour.....	218	232	249	7.2	8,635	9,211	9,829	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Bibb.....	133	143	152	6.8	8,312	8,846	9,507	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Blount.....	322	356	376	5.7	8,746	9,409	9,651	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Bullock.....	75	79	81	2.6	7,023	7,638	7,994	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Butler.....	181	187	199	6.2	8,235	8,544	9,092	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Calhoun.....	1,167	1,233	1,297	5.2	9,335	9,978	10,476	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Chambers.....	354	371	393	5.8	8,839	9,369	9,875	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Cherokee.....	161	172	171	-4	8,453	8,992	8,881	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Chilton.....	278	293	311	6.2	9,136	9,465	9,981	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Choctaw.....	181	141	150	6.3	7,878	8,349	8,818	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Clarke.....	246	261	274	5.0	8,690	9,423	9,955	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Clay.....	120	121	130	7.5	9,079	9,237	9,942	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Cleburne.....	109	113	117	4.2	8,369	8,757	9,116	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Coffee.....	386	412	451	9.6	9,608	10,257	11,220	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Colbert.....	518	546	559	2.5	9,454	9,974	10,268	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Concub.....	130	138	144	4.0	8,464	9,040	9,280	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Coosa.....	84	89	95	6.4	7,713	8,307	8,907	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Covington.....	341	356	377	6.0	9,249	9,668	10,349	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Crenshaw.....	126	119	134	12.3	9,304	8,869	9,986	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Cullman.....	632	668	731	9.4	8,899	10,241	11,071	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Dale.....	452	491	535	9.0	9,343	10,045	10,781	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Dallas.....	439	462	482	4.3	8,170	8,696	9,139	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
De Kalb.....	504	527	576	9.8	9,340	9,818	10,691	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Elmore.....	454	498	519	4.1	9,868	10,588	10,819	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Escambia.....	333	351	365	4.0	9,116	9,613	10,028	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Etowah.....	1,001	1,045	1,077	3.0	9,710	10,234	10,525	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Fayette.....	171	176	182	3.4	8,974	9,335	9,620	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Franklin.....	287	302	315	4.2	10,091	10,743	11,252	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Geneva.....	226	230	245	6.7	9,433	9,955	10,243	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Greene.....	72	75	79	5.4	6,526	6,974	7,458	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Hale.....	97	103	107	4.5	6,400	6,909	7,257	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Henry.....	145	142	150	5.7	9,742	9,564	10,138	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Houston.....	817	874	914	4.6	10,233	10,995	11,390	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Jackson.....	427	444	453	2.0	8,333	8,787	9,076	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Jefferson.....	8,132	8,735	9,261	6.0	12,080	12,923	13,692	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Jacksonville.....	2,646	2,936	3,201	9.0	12,008	12,881	13,698	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Jamaica.....	202	212	221	3.9	8,313	8,766	9,112	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Marion.....	253	264	275	4.1	8,184	8,471	8,851	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Marshall.....	690	739	790	6.9	9,890	10,446	11,050	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Mobile.....	3,763	4,000	4,220	5.5	10,079	10,676	11,172	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Monroe.....	194	204	212	4.2	8,715	9,062	9,466	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
Montgomery.....	2,401	2,583	2,773	7.4	11,413	12,103	12,872	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Morgan.....	1,027	1,125	1,188	5.6	10,820	11,644	12,026	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Perry.....	87	90	94	4.0	5,888	6,114	6,458	Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14	
Pickens.....	164	170	181	6.3	7,552	7,942	8,461	Matanuska-Susitna Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18	
Pike.....	236	253	270	6.8	8,740	9,211	9,737	Nome.....	93	99	101	2.1	12,816	13,667	13,747	16	
Randolph.....	165	173	182	5.2	8,144	8,701	9,151	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4	
Russell.....	412	436	447	2.5	8,655	9,109	9,175	Northwest Arctic Borough.....	63	68	69	1.7	12,115	12,568	12,613	19	
St. Clair.....	403	428	460	5.2	9,057	9,562	9,806	Princetown.....	577	628	593	-5.6	15,333	15,228	13,742	17	
Shelby.....	852	953	1,023	7.4	11,417	12,224	12,598	Ketchikan Gateway Borough.....	222	232	241	3.7	17,231	18,974	19,626	7	
Sumter.....	121	130	134	3.1	7,41												

## SURVEY OF CURRENT BUSINESS

April 1988

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>					
	Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State		Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State			
	1984	1985	1986	1984	1985	1986		1984	1985	1986	1984	1985	1986			
	1985-86	1985-86	1985-86	1985-86	1985-86	1985-86		1985-86	1985-86	1985-86	1985-86	1985-86	1985-86			
Miller.....	390	411	425	3.5	9,952	10,598	10,918	17	8,663	9,503	10,356	9.0	14,750	15,821	16,950	12
Mississippi.....	516	528	532	.7	8,710	8,977	9,159	54	1,624	1,769	1,918	8.4	13,485	14,301	15,217	19
Monroe.....	101	112	101	-9.8	7,501	8,494	7,798	69	494	524	554	5.7	9,370	9,758	10,112	58
Montgomery.....	65	68	78	13.9	8,322	8,652	9,846	42								
Nevada.....	97	103	108	5.1	8,893	9,429	10,014	38								
Newton.....	55	58	63	7.6	6,761	7,172	7,637	70								
Ouachita.....	310	325	337	3.7	9,429	9,711	9,973	40								
Perry.....	60	64	69	7.8	7,689	8,194	8,788	60								
Phillips.....	247	257	249	-3.0	7,312	7,632	7,527	71								
Pike.....	88	98	99	6.1	8,658	9,162	9,814	43								
Poinsett.....	235	231	234	1.1	9,028	8,870	8,969	56								
Polk.....	147	158	174	10.4	8,483	9,128	10,182	33								
Pope.....	393	431	472	9.4	9,438	10,130	10,855	20								
Prairie.....	92	90	84	-6.8	9,157	8,994	8,317	64								
Pulaski.....	4,426	4,786	5,093	6.4	12,613	13,530	14,292	1								
Randolph.....	128	133	142	6.5	7,792	7,982	8,491	62								
St. Francis.....	246	260	257	-1.2	7,839	8,297	8,163	66								
Saline.....	583	634	663	4.6	10,497	11,171	11,432	12								
Scott.....	87	93	109	16.6	8,843	9,162	10,549	24								
Searcy.....	58	61	66	9.5	6,534	6,838	7,483	72								
Sebastian.....	1,119	1,198	1,275	6.4	11,464	12,152	12,852	3								
Sevier.....	135	141	151	7.1	9,426	9,846	10,678	21								
Sharp.....	119	127	136	7.3	7,721	8,231	8,764	61								
Stone.....	68	73	88	14.5	7,042	7,407	8,288	65								
Union.....	564	599	617	3.0	11,460	12,157	12,590	4								
Van Buren.....	112	122	134	10.0	7,626	8,194	8,924	58								
Washington.....	1,065	1,149	1,254	9.1	10,238	10,876	11,652	9								
White.....	443	471	498	5.8	8,454	9,000	9,373	48								
Woodruff.....	94	94	93	-1.3	8,826	8,778	8,853	59								
Yell.....	157	171	186	9.1	8,955	9,708	10,505	27								
California.....	389,183	422,825	455,301	7.7	15,096	16,041	16,875									
Metropolitan portion.....	376,684	409,522	441,054	7.7	15,261	16,232	17,082									
Nonmetropolitan portion.....	12,499	13,303	14,247	7.1	11,398	11,780	12,273									
Alameda.....	18,867	20,299	21,418	5.5	16,024	16,988	17,720	8								
Alpine.....	14	15	18	13.5	12,700	13,083	13,632	22								
Amador.....	265	291	314	7.9	11,937	12,528	13,207	30								
Butte.....	1,736	1,865	2,015	8.0	10,969	11,483	12,088	45								
Calaveras.....	266	291	304	4.8	10,428	10,937	10,738	55								
Colusa.....	182	209	202	-3.4	12,944	14,349	13,480	25								
Contra Costa.....	12,729	13,922	14,672	5.4	18,143	19,467	20,233	5								
Del Norte.....	185	193	205	6.1	10,028	10,556	10,653	56								
El Dorado.....	1,268	1,424	1,547	8.6	12,794	13,710	14,292	21								
Fresno.....	6,813	7,445	7,873	5.8	12,047	12,925	13,397	28								
Glenn.....	259	277	283	2.2	11,440	12,050	12,233	44								
Humboldt.....	1,289	1,377	1,483	7.7	11,597	12,305	12,988	38								
Imperial.....	1,056	1,074	1,112	3.6	10,285	10,147	10,391	57								
Inyo.....	226	234	244	4.3	12,374	13,832	13,412	27								
Kern.....	5,723	6,220	6,636	6.7	12,345	12,970	13,429	26								
Kings.....	903	927	948	2.8	10,925	10,915	11,041	52								
Lake.....	524	562	608	8.8	11,517	11,779	12,391	43								
Lassen.....	247	265	282	6.4	10,254	10,873	11,272	50								
Los Angeles.....	120,917	130,561	140,933	7.9	15,118	16,058	16,988	11								
Madera.....	728	765	858	12.2	9,947	10,220	11,018	53								
Marin.....	5,576	6,068	6,551	8.0	24,785	26,986	29,055	1								
Mariposa.....	143	158	172	8.7	11,153	11,881	12,521	41								
Mendocino.....	839	897	963	7.3	11,709	12,250	12,877	35								
Merced.....	1,651	1,782	1,954	9.7	10,801	11,263	11,950	46								
Modoc.....	111	104	108	3.0	11,566	11,034	11,424	49								
Mono.....	123	133	143	7.6	13,685	14,614	15,515	16								
Monterey.....	4,482	4,795	5,173	7.9	13,884	14,559	15,223	18								
Napa.....	1,568	1,706	1,787	4.8	15,365	16,515	17,066	9								
Nevada.....	772	860	931	8.8	11,939	12,716	13,105	32								
Orange.....	36,656	40,275	43,670	8.4	17,558	18,935	20,154	6								
Placer.....	1,905	2,127	2,308	8.5	14,278	15,420	16,192	14								
Plumas.....	217	232	248	6.9	11,683	12,112	12,690	39								
Riverside.....	10,514	11,630	12,500	7.5	13,500	14,211	14,500	20								
Sacramento.....	11,673	12,886	14,056	9.1	13,428	14,463	15,367	17								
San Benito.....	357	387	420	8.6	12,320	12,728	13,229	29								
San Bernardino.....	12,511	13,958	14,974	7.3	12,067	12,895	13,145	31								
San Diego.....	29,154	32,219	35,090	8.9	14,058	15,108	15,940	15								
San Francisco.....	14,197	15,324	16,540	7.9	19,852	20,984	22,084	8								
San Joaquin.....	4,814	5,200	5,575	7.2	12,099	12,582	12,885	34								
San Luis Obispo.....	2,298	2,453	2,673	9.0	12,791	13,041	13,389	24								
San Mateo.....	12,526	13,376	14,293	6.9	20,551	21,740	23,296	2								
Santa Barbara.....	5,228	5,691	6,104	7.3	16,168	17,182	17,986	7								
Santa Clara.....	25,384	27,133	29,344	8.2	18,421	19,417	20,985	4								
Santa Cruz.....	3,069	3,307	3,584	8.4	14,884	15,536	16,403	13								
Shasta.....	1,470	1,578	1,705	8.1	11,586	12,092	12,814	36								
Sierra.....	38	41	43	5												

## SURVEY OF CURRENT BUSINESS

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State		Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State				
	1984	1985	1986	1984	1985	1986		1984	1985	1986	1984	1985	1986				
				1985-86		1986					1984	1985	1986				
New Castle.....	6,161	6,662	7,178	7.8	15,100	16,154	17,180	1	101	107	112	4.9	9,559	10,066	10,561	77	
Sussex.....	1,183	1,270	1,400	10.2	11,341	11,910	12,761	2	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
District Of Columbia .....	10,392	11,201	11,926	6.5	16,657	17,970	19,049		Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Florida.....	143,926	157,944	170,809	8.1	13,029	13,898	14,630		Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Metropolitan portion.....	133,678	146,589	158,642	8.2	13,311	14,191	14,948		Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Nonmetropolitan portion.....	10,248	11,355	12,167	7.2	10,213	10,970	11,451		Burke.....	178	200	215	7.9	8,727	9,681	10,151	97
Alachua.....	1,767	1,941	2,083	7.3	10,461	11,175	11,838	28	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Baker.....	148	160	176	10.8	8,725	9,240	9,909	43	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Bay.....	1,178	1,285	1,373	6.9	10,681	11,210	11,223	36	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Bradford.....	176	190	201	5.6	7,523	7,967	8,443	61	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Brevard.....	4,228	4,702	4,995	6.2	12,797	13,528	13,827	17	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Broward.....	17,720	19,242	20,710	7.6	16,095	17,178	18,128	5	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Calhoun.....	63	67	70	5.8	6,587	6,689	7,290	67	Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Charlotte.....	932	1,064	1,154	8.5	12,426	13,388	13,732	18	Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Citrus.....	707	821	875	6.7	9,694	10,582	10,919	37	Burke.....	178	200	215	10.5	10,162	10,871	11,089	62
Clay.....	1,012	1,141	1,236	8.8	12,811	13,033	13,526	20	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Collier.....	1,788	2,032	2,235	10.0	16,043	17,348	18,402	4	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Columbia.....	361	382	407	6.7	9,184	9,495	10,016	42	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Dade.....	22,687	24,408	26,300	7.8	13,115	13,992	14,863	9	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
De Soto.....	178	192	203	5.3	8,463	8,993	9,213	52	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Dixie.....	66	71	75	5.9	7,234	7,697	7,855	64	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Duval.....	7,644	8,312	8,965	7.9	12,446	13,193	13,868	16	Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Escambia.....	2,716	2,897	3,102	7.1	10,493	11,019	11,466	34	Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Flagler.....	170	200	214	7.0	10,955	11,831	11,774	30	Burke.....	178	200	215	10.5	10,162	10,871	11,089	62
Franklin.....	63	72	78	7.8	7,558	8,744	9,236	51	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Gadsden.....	317	387	367	8.9	7,251	7,599	8,127	62	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Gilchrist.....	66	72	74	2.5	9,440	9,944	10,179	41	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Glades.....	49	54	58	-3	7,428	7,896	7,804	65	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Gulf.....	100	104	111	6.7	8,736	8,833	9,439	48	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Hamilton.....	76	79	80	2.1	8,194	8,413	8,669	58	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Hardee.....	189	205	210	2.4	9,038	9,680	9,714	46	Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Hendry.....	257	284	286	.8	11,656	12,554	12,247	25	Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Hernando.....	664	772	834	8.0	9,761	10,322	10,727	39	Burke.....	178	200	215	10.5	10,162	10,871	11,089	62
Highlands.....	593	664	709	6.8	10,455	11,273	11,701	31	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Hillsborough.....	8,629	9,469	10,211	7.8	11,815	12,546	13,161	21	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Holmes.....	122	125	131	4.9	7,755	7,874	8,121	63	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Indian River.....	1,064	1,194	1,287	7.8	14,174	15,362	15,895	7	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Jackson.....	330	352	375	6.4	8,089	8,511	8,953	56	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Jefferson.....	90	98	107	9.0	7,738	8,445	9,106	54	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Lafayette.....	47	49	55	12.1	10,503	10,888	11,864	27	Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Lake.....	1,582	1,774	1,890	6.5	12,793	13,841	14,261	12	Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Lee.....	3,351	3,786	4,146	9.5	13,132	14,190	14,854	10	Burke.....	178	200	215	10.5	10,162	10,871	11,089	62
Leon.....	1,786	1,949	2,156	10.6	10,752	11,483	12,480	24	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Levy.....	194	208	222	6.5	8,286	8,623	9,206	53	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Liberty.....	39	41	44	6.1	8,719	9,190	9,669	47	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Madison.....	119	125	134	6.9	7,731	8,088	8,556	60	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Manatee.....	2,324	2,521	2,730	8.3	13,705	14,436	15,412	8	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Marion.....	1,506	1,702	1,855	9.0	9,691	10,328	10,848	38	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Martin.....	1,341	1,521	1,646	8.2	16,888	18,351	19,303	2	Bryan.....	109	122	131	7.7	9,335	9,925	9,943	105
Monroe.....	824	923	1,016	10.1	11,758	12,989	14,021	14	Bulloch.....	332	354	378	6.7	8,965	9,478	10,083	99
Nassau.....	446	501	530	5.9	11,713	12,571	12,636	23	Burke.....	178	200	215	10.5	10,162	10,871	11,089	62
Okaloosa.....	1,376	1,503	1,642	9.2	10,605	11,128	11,620	32	Butts.....	141	155	165	6.0	9,527	10,301	10,620	74
Okeechobee.....	214	245	268	9.2	8,611	9,429	9,808	45	Calhoun.....	53	54	55	9	9,544	9,655	9,866	109
Orange.....	7,011	7,780	8,512	9.4	13,038	14,018	14,799	11	Camden.....	176	195	215	10.5	10,162	10,871	11,089	62
Osceola.....	874	1,035	1,187	9.9	12,413	13,485	13,674	19	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Palm Beach.....	12,249	13,772	15,064	9.4	17,662	19,014	19,938	1	Brantley.....	77	81	88	8.0	8,136	8,327	8,618	148
Pasco.....	2,443	2,691	2,899	7.7	10,628	11,343	11,805	29	Brooks.....	110	117	121	3.5	7,190	7,785	8,069	156
Pinellas.....	11,775	12,783	13,889	8.7	14,896	15,902	17,039	6	Bryan.....	109							

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars			Percent change <sup>b</sup>				Dollars			Rank in State						
	1984	1985	1986	1985–86	1984	1985	1986	1984	1985	1986	1984	1985	1986				
							1986						1986				
Mitchell.....	173	174	190	8.9	8,024	8,087	8,778	145	Custer.....	49	47	47	-0	9,374	8,980	9,252	36
Monroe.....	161	171	186	8.9	10,713	10,989	11,749	35	Elmore.....	201	211	218	3.4	8,929	9,471	9,917	26
Montgomery.....	63	66	69	5.2	8,956	9,270	9,744	114	Franklin.....	68	71	77	8.4	7,059	7,468	8,098	43
Morgan.....	131	139	150	8.0	10,748	11,232	12,055	28	Nat'l Pk.).....	98	104	102	-2.3	9,115	9,940	9,732	31
Murray.....	193	209	230	9.9	9,098	9,598	10,250	88	Gem.....	118	124	124	-2	10,025	10,652	10,720	17
Muscogee.....	1,887	2,013	2,161	7.4	10,643	11,239	11,944	31	Gooding.....	116	123	130	5.3	9,310	10,156	10,760	16
Newton.....	405	445	479	7.6	10,657	11,330	11,882	32	Idaho.....	129	135	141	4.3	8,885	9,459	9,912	28
Ocnee.....	163	178	198	11.7	11,435	12,034	13,844	15	Jefferson.....	124	138	144	4.5	7,642	8,476	8,775	41
Oglethorpe.....	83	88	97	10.4	8,861	9,267	10,117	98	Jerome.....	129	136	152	11.3	8,274	8,895	9,916	27
Paulding.....	300	342	376	9.9	10,223	11,157	11,569	43	Kootenai.....	681	726	749	3.3	10,388	10,864	11,100	12
Peach.....	195	212	234	10.5	10,089	10,787	11,711	38	Latah.....	289	304	323	6.2	9,476	9,792	10,548	19
Pickens.....	133	145	159	9.2	10,209	10,941	11,702	39	Lemhi.....	67	68	70	2.4	8,533	9,189	9,793	29
Pierce.....	103	107	109	2.3	8,260	8,881	8,417	150	Lewis.....	46	46	49	6.6	11,793	11,917	12,841	6
Pike.....	89	95	101	6.8	10,186	10,498	11,379	50	Lincoln.....	31	34	36	8.1	8,918	9,630	10,587	18
Polk.....	310	335	351	4.7	9,358	9,967	10,350	86	Madison.....	162	174	172	-1.0	7,395	7,890	7,796	44
Pulaski.....	86	88	92	4.7	9,599	9,937	10,459	83	Minidoka.....	169	175	187	6.5	7,959	8,334	8,944	40
Putnam.....	109	120	128	6.9	9,695	10,251	10,595	75	Nez Perce.....	393	401	416	3.8	11,817	12,073	12,600	7
Quitman.....	19	20	21	7.3	8,428	8,698	9,364	128	Oneida.....	31	32	36	12.8	9,201	9,045	10,265	21
Rabun.....	93	102	111	8.1	8,612	9,363	10,061	101	Owyhee.....	64	65	71	9.5	7,351	7,601	8,326	42
Randolph.....	73	74	76	3.6	7,911	8,018	8,371	153	Payette.....	143	148	150	1.2	8,804	9,151	9,157	38
Richmond.....	2,052	2,239	2,439	8.9	10,880	11,672	12,520	23	Power.....	88	88	94	6.8	12,711	12,620	13,557	5
Rockdale.....	549	631	692	9.8	12,884	14,274	14,677	6	Shoshone.....	174	175	155	-11.5	10,146	10,326	9,462	34
Schley.....	34	35	38	8.9	9,923	10,518	11,184	61	Teton.....	31	32	32	8	9,651	9,961	9,786	30
Scroven.....	124	131	134	2.4	8,698	8,999	8,900	139	Twin Falls.....	579	601	628	4.5	10,290	10,727	11,256	10
Seminole.....	87	86	91	6.4	9,881	9,647	10,175	95	Valley.....	72	75	77	3.0	10,616	10,772	11,188	11
Spalding.....	518	567	596	5.0	10,233	10,948	11,236	55	Washington.....	80	78	79	7	9,583	9,381	9,604	33
Stephens.....	206	221	236	6.8	9,908	9,873	10,477	82	Illinois.....	161,426	169,997	179,411	5.5	14,007	14,734	15,530	.....
Stewart.....	46	45	48	6.6	7,983	7,969	8,614	149	Metropolitan portion.....	137,531	145,315	153,836	5.9	14,534	15,317	16,158	.....
Sumter.....	293	308	323	6.7	9,716	10,187	10,869	67	Nonmetropolitan portion.....	23,895	24,682	25,575	3.6	11,589	12,037	12,583	.....
Talbot.....	54	58	60	3.6	8,383	8,733	8,997	137	Adams.....	828	853	883	3.5	11,776	12,311	12,971	48
Taliaferro.....	22	23	24	7.3	10,874	11,117	11,862	83	Alexander.....	101	104	108	3.7	8,473	8,859	9,476	98
Tattnall.....	157	163	182	11.3	8,883	9,058	10,161	96	Bond.....	173	178	186	4.6	10,811	11,163	11,648	80
Taylor.....	71	73	77	4.9	8,800	9,160	9,583	123	Boone.....	378	401	415	3.8	13,130	13,777	14,125	22
Telfair.....	94	97	103	6.6	8,402	8,636	9,276	131	Brown.....	61	64	68	5.9	11,143	12,076	13,212	44
Terrell.....	90	89	94	6.2	7,688	7,583	8,187	154	Bureau.....	502	510	525	2.9	13,218	13,586	14,147	20
Thomas.....	393	412	443	7.5	10,259	10,805	11,642	41	Calhoun.....	57	58	60	3.8	9,912	10,253	10,764	91
Tift.....	343	368	387	5.2	10,224	10,804	11,303	53	Carroll.....	218	229	244	6.6	12,022	12,755	13,801	28
Toombs.....	223	239	259	8.6	9,529	10,021	10,769	70	Cass.....	163	171	174	1.6	11,245	11,982	12,372	64
Towns.....	51	56	59	6.4	8,333	9,079	9,474	125	Champaign.....	2,044	2,170	2,287	5.4	11,979	12,728	13,366	39
Treutlen.....	46	49	50	2.5	7,568	8,052	8,372	152	Christian.....	477	493	499	1.1	13,189	13,781	14,066	24
Troup.....	546	592	625	5.7	10,341	10,984	11,581	44	Clay.....	177	183	189	3.3	10,602	11,031	11,466	82
Turner.....	86	85	89	4.2	8,854	9,081	9,326	129	Clinton.....	394	405	431	6.6	11,636	12,019	12,818	50
Twiggs.....	80	83	89	7.9	8,308	8,126	8,877	141	Coles.....	557	592	607	2.6	10,630	11,310	11,671	79
Union.....	79	87	96	10.7	7,607	8,244	8,892	140	Cook.....	78,268	82,129	86,971	5.9	14,772	15,511	16,416	4
Upson.....	249	260	274	5.5	9,407	9,869	10,281	87	Crawford.....	264	274	279	2.0	12,685	13,249	13,629	33
Walker.....	522	557	596	7.0	9,392	9,916	10,576	76	Cumberland.....	106	110	112	1.7	9,705	10,130	10,321	95
Walton.....	334	362	387	7.0	10,352	11,025	11,460	47	De Kalb.....	902	984	987	5.7	12,307	12,678	13,322	40
Ware.....	365	383	399	4.1	9,888	10,306	10,766	71	De Witt.....	244	265	238	-10.2	13,626	14,884	13,677	31
Warren.....	51	54	55	2.2	7,886	8,587	8,819	143	Douglas.....	233	244	245	.5	11,937	12,513	12,563	55
Washington.....	185	193	203	4.9	9,663	9,976	10,499	81	Du Page.....	12,471	13,472	14,572	8.2	17,742	18,811	20,024	2
Wayne.....	199	213	225	5.4	9,078	9,715	10,206	92	Edgar.....	246	260	259	-2	11,538	12,321	12,460	59
Webster.....	26	24	26	6.8	11,156	11,333	11,986	30	Edwards.....	91	94	99	5.2	11,157	12,113	12,626	53
Wheeler.....	40	41	41	1.1	7,949	7,906	7,911	157	Effingham.....	367	386	401	3.9	11,657	12,173	12,626	53
White.....	116	125	141	12.1	10,608	11,019	12,163	26	Fayette.....	208	214	221	3.5	9,987	9,728	10,150	96
Whitfield.....	796	860	943	9.7	11,760	12,547	13,621	11	Ford.....	189	207	208	.7	12,635	13,926	14,093	23
Wilcox.....	67	68	70	2.5	8,870	9,019	9,204	135	Franklin.....	465	483	508	5.1	10,863	11,292	11,910	76
Wilkes.....	111	113	123	9.2	9,863	10,087	11,156	60	Fulton.....	432	435	439	1.1	10,585	11,064	11,516	81
Wilkinson.....	104	109	114	4.7	9,714	10,078	10,537	78	Gallatin.....	80	82	84	1.8	10,506	10,892	11,254	87
Worth.....	168	171	180	5.2	9,197	9,304	9,660	116	Greene.....	160	162	168	3.3	9,973	10,192	10,643	

## SURVEY OF CURRENT BUSINESS

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars			Percent change <sup>2</sup>		Dollars		Millions of dollars			Percent change <sup>2</sup>		Dollars	Rank in State			
	1984	1985	1986	1985-86	1984	1985	1986	1984	1985	1986	1985-86	1984	1985	1986			
							1986							1986			
Macon.....	1,580	1,662	1,702	2.4	12,281	12,958	13,434	37	Johnson.....	1,002	1,116	1,150	3.0	12,367	13,619	13,818	13
Macoupin.....	557	584	603	3.3	11,329	11,896	12,292	65	Knox.....	465	468	488	4.2	11,002	11,118	11,785	60
Madison.....	3,163	3,351	3,467	3.5	12,791	13,463	13,855	27	Kosciusko.....	748	792	867	9.5	12,091	12,562	13,640	18
Marion.....	481	498	520	4.3	10,878	11,359	11,953	73	Lagrange.....	262	282	301	7.0	9,673	10,201	10,775	80
Marshall.....	176	182	185	1.6	11,771	13,496	14,029	25	Lake.....	5,764	5,942	5,990	8	11,470	11,958	12,182	43
Mason.....	204	215	217	.9	11,247	12,058	12,441	63	La Porte.....	1,269	1,328	1,385	4.7	11,877	12,424	13,059	23
Massac.....	146	153	158	3.8	9,828	10,277	10,643	92	Lawrence.....	452	474	496	4.6	10,694	11,137	11,691	61
Menard.....	154	157	160	1.8	13,276	14,483	13,708	30	Madison.....	1,594	1,672	1,732	3.6	11,908	12,525	13,058	24
Mercer.....	221	221	225	1.8	11,582	11,793	12,282	66	Marion.....	10,229	10,368	11,695	7.6	13,174	13,922	14,900	3
Monroe.....	289	305	320	5.2	13,967	14,581	15,106	7	Marshall.....	450	468	500	7.0	11,060	11,325	12,114	44
Montgomery.....	355	366	380	3.7	11,089	11,453	11,924	75	Martin.....	100	100	109	9.6	9,072	9,015	9,907	87
Morgan.....	466	495	521	5.2	12,617	13,249	13,992	26	Miami.....	416	430	457	6.3	10,960	11,306	12,048	48
Moultrie.....	176	182	186	-1.0	12,108	12,578	12,459	60	Monroe.....	1,021	1,074	1,165	8.5	10,072	10,580	11,454	65
Ogle.....	559	580	641	10.5	12,206	12,654	14,158	19	Montgomery.....	424	440	470	6.9	11,946	12,326	13,322	22
Peoria.....	2,494	2,541	2,619	3.1	12,990	13,547	14,280	18	Morgan.....	599	620	648	4.5	11,166	11,390	12,244	41
Perry.....	273	274	289	5.7	12,350	12,888	13,162	45	Newton.....	156	159	165	3.7	10,955	11,322	11,875	55
Piatt.....	223	236	238	.8	13,644	14,526	14,769	12	Noble.....	378	392	423	7.9	10,426	10,626	11,382	67
Pike.....	198	192	202	5.4	10,659	10,524	11,256	86	Ohio.....	52	53	56	5.1	9,815	9,768	10,485	82
Pope.....	34	37	37	2.6	7,844	8,404	8,564	100	Orange.....	179	185	195	5.4	9,491	9,601	10,083	84
Pulaski.....	70	72	71	-1.9	8,099	8,382	8,360	101	Owen.....	146	153	162	5.5	8,921	9,250	9,614	90
Putnam.....	84	86	87	4	13,705	14,427	14,789	11	Parke.....	168	172	181	4.8	10,311	10,739	11,355	69
Randolph.....	382	400	415	3.9	10,799	11,296	11,784	78	Perry.....	199	204	208	2.1	10,395	10,613	10,958	76
Richland.....	236	215	216	.5	12,903	11,939	12,277	67	Pike.....	152	156	167	6.9	11,314	11,807	12,621	31
Rock Island.....	2,045	2,102	2,122	1.0	12,379	12,909	13,288	42	Porter.....	1,500	1,593	1,654	3.8	12,083	12,960	13,437	19
St. Clair.....	3,097	3,270	3,410	4.3	11,595	12,199	12,647	52	Posey.....	315	330	346	4.9	11,942	12,566	13,407	21
Saline.....	332	347	358	3.1	11,589	12,160	12,602	54	Pulaski.....	145	150	160	6.8	10,794	11,154	12,064	46
Sangamon.....	2,376	2,522	2,693	6.8	13,333	14,106	15,048	8	Putnam.....	325	339	367	8.2	10,892	11,345	12,246	40
Schuyler.....	80	81	88	9.2	9,954	10,266	11,382	85	Randolph.....	295	308	318	3.1	10,316	10,908	11,343	70
Scott.....	67	73	76	3.3	11,177	12,074	12,563	55	Ripley.....	265	277	294	6.4	10,587	10,950	11,590	62
Shelby.....	265	276	281	1.8	11,207	11,699	11,932	74	Rush.....	203	208	216	3.9	10,773	10,980	11,494	63
Stark.....	89	103	102	-6	12,862	14,891	14,986	10	St. Joseph.....	3,017	3,151	3,877	7.2	12,540	13,047	13,986	9
Stephenson.....	659	666	715	7.3	13,297	13,437	14,476	16	Scott.....	189	191	198	3.3	9,225	9,347	9,681	88
Tazewell.....	1,602	1,658	1,680	1.3	12,407	13,108	13,472	34	Shelby.....	469	495	514	3.9	11,767	12,517	13,027	25
Union.....	179	187	196	4.7	9,952	10,872	10,847	89	Spencer.....	207	210	227	8.4	10,187	10,320	11,208	72
Vermilion.....	1,068	1,109	1,141	2.9	11,515	12,044	12,495	58	Starke.....	188	193	207	7.2	8,858	9,108	9,642	89
Wabash.....	172	182	184	1.2	12,186	12,975	13,242	43	Steuben.....	301	322	363	12.6	11,935	12,494	13,701	16
Warren.....	255	261	275	5.8	12,081	12,501	13,888	38	Sullivan.....	226	230	243	7.6	10,888	11,129	12,013	52
Washington.....	188	212	224	5.7	12,367	13,888	14,717	13	Switzerland.....	57	56	63	11.5	7,768	7,777	8,614	92
Wayne.....	217	214	220	2.4	11,699	11,670	12,181	71	Tippecanoe.....	1,381	1,470	1,565	6.5	11,101	11,806	12,583	33
White.....	213	221	222	.6	11,773	12,262	12,444	61	Tipton.....	215	233	237	1.6	13,275	14,424	14,637	6
Whiteside.....	761	767	808	5.8	11,929	12,089	12,867	49	Union.....	73	75	80	6.6	10,638	10,702	11,425	66
Will.....	4,330	4,628	4,887	4.5	13,081	13,853	14,298	17	Vanderburgh.....	2,173	2,279	2,385	4.7	12,985	13,553	14,230	7
Williamson.....	651	680	709	4.3	11,269	11,719	12,235	70	Vermillion.....	185	191	198	3.8	10,355	10,750	11,281	71
Winnebago.....	3,257	3,451	3,638	5.4	13,075	13,757	14,497	15	Vigo.....	1,181	1,233	1,292	4.8	10,665	11,188	11,804	58
Woodford.....	415	428	441	3.0	12,574	13,124	13,663	32	Wabash.....	391	411	435	6.0	11,088	11,711	12,379	37
Indiana.....	65,015	68,391	72,283	5.7	11,837	12,434	13,134	.....	Union.....	73	75	80	6.6	10,638	10,702	11,425	66
Metropolitan portion.....	45,691	48,398	51,122	5.6	12,251	12,953	13,657	.....	Vanderburgh.....	2,173	2,279	2,385	4.7	12,985	13,553	14,230	7
Nonmetropolitan portion.....	19,324	19,993	21,160	5.8	10,961	11,333	12,023	.....	Vermillion.....	185	191	198	3.8	10,355	10,750	11,281	71
Adams.....	315	327	365	11.6	10,512	10,840	12,041	49	Vigo.....	1,181	1,233	1,292	4.8	10,665	11,188	11,804	58
Allen.....	3,703	4,009	4,369	9.0	12,805	13,743	14,796	4	Wabash.....	391	411	435	6.0	11,088	11,711	12,379	37
Bartholomew.....	849	857	885	3.3	13,147	13,247	13,721	15	Union.....	73	75	80	6.6	10,638	10,702	11,425	66
Benton.....	122	131	124	-5.7	12,280	13,299	12,609	32	Vanderburgh.....	2,173	2,279	2,385	4.7	12,985	13,553	14,230	7
Blackford.....	166	174	181	3.9	10,906	11,577	14,041	49	Vermillion.....	185	191	198	3.8	10,355	10,750	11,281	71
Boone.....	544	591	627	6.1	14,373	15,460	16,811	2	Vigo.....	1,181	1,233	1,292	4.8	10,665	11,188	11,804	58
Brown.....	130	133	140	5.3	10,507	10,582	10,967	75	Wabash.....	391	411	435	6.0	11,088	11,711	12,379	37
Carroll.....	234	242	265	9.3	12,132	12,674	13,848	12	Union.....	95	100	97	-3.4	10,804	11,654	11,357	68
Cass.....	459	477	493	3.3	11,478	11,920	12,481	34	Varrick.....	571	604	63					

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86—Continued

Area name	Total personal income			Per capita personal income <sup>3</sup>			Area name	Total personal income			Per capita personal income <sup>3</sup>						
	Millions of dollars		Percent change <sup>2</sup>	Dollars		Rank in State		Millions of dollars		Percent change <sup>2</sup>	Dollars		Rank in State				
	1984	1985	1986	1985-86	1984	1985	1986	1984	1985	1986	1984	1985	1986				
Emmet.....	140	150	156	4.1	11,022	12,088	13,122	44	Crawford.....	421	441	463	4.9	11,011	11,656	12,302	87
Fayette.....	254	251	272	8.4	10,202	10,363	11,559	86	Decatur.....	79	80	85	6.4	17,076	17,913	19,640	3
Floyd.....	214	215	226	5.3	11,128	11,273	12,172	76	Dickinson.....	232	246	252	2.4	11,623	12,413	12,757	74
Franklin.....	145	150	167	11.3	11,401	11,919	13,619	32	Doniphan.....	86	100	105	5.0	9,443	11,008	11,535	99
Fremont.....	109	132	139	5.2	11,865	14,643	15,625	3	Douglas.....	744	799	856	7.2	10,615	11,197	11,789	97
Greene.....	142	149	162	8.8	12,062	13,011	14,554	9	Edwards.....	62	66	73	10.0	15,048	16,370	18,369	6
Grundy.....	177	187	198	5.8	12,940	13,741	14,965	5	Elk.....	41	41	46	12.3	11,251	11,239	12,964	69
Guthrie.....	126	134	144	7.8	10,845	11,685	12,674	57	Ellis.....	336	348	351	7	12,045	12,472	12,641	80
Hamilton.....	226	246	267	8.8	12,951	14,247	15,704	1	Ellsworth.....	79	79	83	4.6	12,248	12,513	13,211	58
Hancock.....	166	178	188	6.2	12,068	12,966	14,130	17	Finney.....	355	386	400	3.5	12,249	12,963	13,205	60
Hardin.....	262	280	299	6.9	12,094	13,153	14,428	11	Ford.....	362	383	398	4.0	13,897	14,653	15,161	29
Harrison.....	169	187	187	-0.0	10,470	11,694	11,820	82	Franklin.....	253	262	282	7.4	11,314	11,801	12,833	72
Henry.....	213	236	254	7.9	11,788	12,721	13,700	29	Geary.....	289	304	324	6.5	9,505	9,769	10,392	105
Howard.....	126	122	137	12.7	11,320	11,217	12,948	50	Gove.....	41	48	52	8.8	11,099	13,237	14,725	32
Humboldt.....	139	144	154	7.0	11,516	12,115	13,306	37	Graham.....	47	51	53	3.4	11,476	12,490	13,206	59
Ida.....	104	108	118	9.0	11,695	12,188	13,219	42	Grant.....	92	100	100	4	13,564	14,657	14,578	36
Iowa.....	189	188	199	5.5	12,430	12,409	13,268	38	Gray.....	68	77	82	6.2	12,715	14,465	15,338	24
Jackson.....	230	229	242	5.5	10,288	10,272	10,936	95	Greely.....	30	37	31	-14.9	16,172	20,835	17,715	8
Jasper.....	467	486	512	5.3	12,985	13,578	14,272	15	Greenwood.....	102	101	107	5.9	11,682	11,985	13,102	63
Jefferson.....	175	182	198	8.6	10,571	11,019	11,995	79	Hamilton.....	33	39	41	3.5	13,368	15,710	16,851	12
Johnson.....	1,116	1,173	1,265	7.9	18,080	18,724	14,834	6	Harper.....	106	103	116	13.1	13,526	13,849	15,496	20
Jones.....	204	203	222	9.2	10,013	10,068	11,119	92	Harvey.....	370	385	407	5.8	11,967	12,471	13,203	61
Keokuk.....	147	151	167	10.4	11,648	12,067	13,532	35	Haskell.....	65	65	70	8.2	16,976	16,815	18,024	7
Kossuth.....	247	259	281	8.5	11,534	12,343	13,821	23	Hodgeman.....	26	30	31	3.8	11,365	13,052	13,511	53
Lee.....	492	506	518	2.3	11,659	12,163	12,518	64	Jackson.....	128	134	141	5.0	10,990	11,455	11,993	98
Linn.....	2,180	2,305	2,417	4.9	12,906	13,683	14,319	13	Jefferson.....	177	187	196	4.7	11,103	11,774	12,288	88
Louisa.....	142	144	153	6.0	11,655	11,970	12,719	54	Jewell.....	54	58	64	10.4	10,954	12,093	13,505	54
Lucas.....	111	114	122	6.4	10,820	11,473	12,467	67	Johnson.....	5,854	5,955	6,394	7.4	18,029	19,433	20,091	2
Lyon.....	143	148	158	6.6	11,148	11,748	12,645	58	Kearny.....	51	64	60	-6.3	13,386	16,854	15,420	22
Madison.....	137	146	156	6.5	11,069	11,776	12,531	61	Kingman.....	102	107	116	8.7	11,217	11,898	13,037	67
Mahaska.....	246	260	277	6.9	10,874	11,565	12,451	68	Kiowa.....	55	57	62	10.2	13,614	14,341	16,270	15
Marion.....	371	388	414	6.9	12,977	13,036	13,970	21	Labette.....	279	298	315	5.7	10,790	11,625	12,390	85
Marshall.....	520	537	555	3.5	12,508	13,097	13,708	27	Lane.....	32	36	46	26.3	12,839	14,631	18,579	5
Mills.....	154	171	182	6.7	11,425	12,675	13,579	34	Leavenworth.....	636	689	744	7.9	10,902	11,621	12,265	89
Mitchell.....	136	137	153	12.2	11,481	11,584	13,220	41	Lincoln.....	50	50	53	4.6	12,940	13,323	14,240	44
Monona.....	127	136	149	9.8	11,231	12,388	13,972	20	Linn.....	88	93	101	8.6	10,541	11,301	12,367	86
Monroe.....	92	95	100	5.3	10,387	10,861	11,675	84	Logan.....	49	49	46	-5.5	14,386	14,783	14,260	42
Montgomery.....	155	164	175	6.3	11,658	12,643	13,887	22	Lyon.....	415	423	446	5.3	11,009	11,741	12,700	77
Muscataine.....	551	568	593	4.4	13,221	13,732	14,369	12	McPherson.....	354	378	393	5.2	12,752	13,665	14,407	41
O'Brien.....	203	216	233	7.8	12,182	13,202	14,599	8	Marion.....	142	158	164	4.1	10,594	11,875	12,550	84
Osceola.....	85	86	97	11.9	10,185	10,716	12,221	73	Marshall.....	145	161	169	5.1	11,371	12,718	13,227	57
Page.....	194	210	224	6.9	10,530	11,566	12,677	56	Meade.....	70	70	71	5.5	14,912	15,055	15,484	21
Palo Alto.....	134	153	161	4.9	10,892	12,690	13,703	28	Miami.....	257	279	285	2.2	11,588	12,350	12,598	81
Plymouth.....	264	280	301	7.6	10,839	11,658	12,606	60	Mitchell.....	89	90	100	10.8	11,103	11,569	13,068	64
Pocahontas.....	125	152	155	1.8	11,310	13,727	14,266	16	Montgomery.....	453	471	488	3.7	10,737	11,345	11,850	95
Polk.....	4,469	4,693	4,988	5.2	14,337	14,946	15,639	2	Morris.....	70	72	75	3.5	10,943	11,421	11,861	94
Pottawattamie.....	1,010	1,078	1,109	2.8	11,442	12,237	12,609	59	Morton.....	54	55	54	-1.5	15,435	15,677	15,420	22
Powershiek.....	229	235	257	9.1	12,155	12,466	13,772	25	Nemaha.....	123	133	143	7.7	11,071	12,080	13,124	62
Ringgold.....	54	60	67	12.3	9,021	10,416	12,136	78	Neosho.....	224	225	226	.4	11,470	11,633	12,084	92
Sac.....	154	162	180	11.3	11,505	12,242	14,011	19	Ness.....	74	77	76	-7	15,361	16,772	17,069	10
Scott.....	2,115	2,189	2,246	2.6	13,241	13,797	14,313	14	Norton.....	84	84	89	6.6	12,737	12,989	14,121	45
Shelby.....	167	176	183	3.6	10,976	11,929	12,680	55	Osage.....	172	181	188	4.2	10,746	11,592	12,091	91
Sioux.....	312	325	344	5.7	10,078	10,564	11,278	89	Osborne.....	69	70	70	-3	12,106	12,770	12,895	71
Story.....	827	877	922	5.1	11,308	12,012	12,720	52	Ottawa.....	70	72	79	10.1	11,879	12,459	13,634	51
Tama.....	222	229	240	4.6	11,403	11,971	12,720	52	Pawnee.....	107	109	124	14.4	13,159	13,697	16,291	14
Taylor.....	77	88	92	4.6	9,402	11,024	11,855	81	Phillips.....	95	95	101	6.3	13,045	13,344	14,536	39
Union.....	149	155	165	6.3	10,927	11,663	12,484	65	Pottawatomie.....	175	187	197	5.1	11,100	11,916	12,586	82
Van Buren.....	76	82	85	3.7	9,026	9,888	10,354	98	Pratt.....	146	158	164	3.5	13,886	14,442	15,104	30
Wapello.....	429	435	435	.1	10,871	11,175	11,4										

**Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86—Continued**

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86—Continued

Area name	Total personal income			Per capita personal income <sup>3</sup>					Area name	Total Personal Income			Per capita personal income <sup>3</sup>					
	Millions of dollars			Percent change <sup>2</sup>		Dollars				Millions of dollars			Percent change <sup>2</sup>		Dollars		Rank in State	
	1984	1985	1986	1985-86		1984	1985	1986		1984	1985	1986	1985-86		1984	1985	Rank in State	
															1984	1985		
St. Martin	373	384	360	-6.3	8,204	8,430	7,811	54	Alpena	320	332	351	5.7	10,240	10,769	11,382	42	
St. Mary	660	678	643	-5.2	10,156	10,483	9,999	23	Antrim	169	183	190	3.7	10,125	10,879	11,266	46	
St. Tammany	1,691	1,835	1,901	3.6	12,501	13,029	12,913	4	Arenac	142	154	159	3.3	9,484	10,277	10,585	57	
Tangipahoa	759	799	805	-8	8,470	8,781	8,740	39	Baraga	73	77	80	4.4	8,903	9,371	9,817	70	
Tensas	78	67	65	-4.0	9,474	9,787	7,646	57	Barry	538	576	620	7.6	11,629	12,306	12,970	24	
Terrebonne	1,085	1,112	1,055	-5.1	10,721	10,948	10,392	19	Bay	1,363	1,451	1,497	3.2	11,686	12,610	13,034	23	
Union	192	197	207	4.7	8,592	8,733	8,938	34	Benzie	114	121	127	5.2	10,299	10,817	11,278	45	
Vermilion	509	525	496	-5.5	9,643	9,860	9,268	28	Berrien	1,872	1,968	2,090	6.2	11,485	12,099	12,773	27	
Vernon	463	498	517	5.0	7,613	8,175	8,561	43	Branch	413	428	455	6.4	10,682	11,023	11,554	38	
Washington	339	408	408	-1	8,302	8,591	8,563	42	Calhoun	1,547	1,656	1,729	4.4	11,312	12,168	12,634	29	
Webster	451	475	479	.9	9,392	10,389	10,400	18	Cass	549	563	602	7.0	11,437	11,646	12,427	31	
West Baton Rouge	199	211	205	-3.1	9,633	10,102	9,661	24	Charlevoix	204	218	232	6.5	10,388	11,080	11,465	39	
West Carroll	91	96	91	-5.3	6,961	7,247	6,914	62	Cheboygan	194	203	215	5.7	9,365	9,806	10,349	61	
West Feliciana	105	109	106	-2.7	7,654	8,020	7,839	53	Chippewa	257	271	282	4.1	8,950	9,315	9,625	73	
Winn	128	134	135	.6	7,379	7,810	7,877	52	Clare	212	223	236	5.7	8,586	8,989	9,444	75	
Maine	12,915	13,785	14,986	8.7	11,154	11,827	12,768	.....	Clinton	636	677	721	6.4	11,525	12,261	12,932	25	
Metropolitan portion	5,557	5,953	6,497	9.1	12,005	12,800	13,899	.....	Crawford	83	92	98	6.9	8,367	9,160	9,709	71	
Nonmetropolitan portion	7,358	7,831	8,489	8.4	10,587	11,180	12,019	.....	Delta	394	412	439	6.5	10,184	10,662	11,348	43	
Androscoggin	1,108	1,157	1,253	8.4	11,000	11,466	12,395	8	Dickinson	309	323	346	7.0	12,048	12,325	12,918	26	
Aroostook	841	877	911	3.9	9,469	9,892	10,364	14	Eaton	1,090	1,182	1,247	5.6	12,317	13,255	13,672	13	
Cumberland	2,972	3,246	3,692	10.7	13,281	14,341	15,752	1	Emmet	276	296	315	6.7	11,730	12,495	13,108	21	
Franklin	283	289	306	5.9	9,706	9,863	10,511	12	Genesee	5,849	6,813	6,544	3.7	18,497	14,585	15,049	6	
Hancock	499	547	591	8.2	11,456	12,588	13,429	4	Gladwin	185	198	208	4.9	8,732	9,224	9,637	72	
Kennebec	1,260	1,326	1,434	8.1	11,253	11,856	12,807	6	Gogebic	171	177	189	6.7	8,944	9,422	10,052	67	
Knox	371	408	442	8.5	10,746	11,727	12,601	7	Grand Traverse	685	750	820	9.4	12,037	12,902	13,854	11	
Lincoln	334	364	402	10.4	11,990	13,059	14,197	2	Gratiot	427	443	469	5.7	10,358	11,340	11,908	35	
Oxford	513	527	564	7.1	10,275	10,519	11,232	10	Hillsdale	435	463	487	5.2	10,478	11,063	11,430	41	
Penobscot	1,477	1,550	1,651	6.5	10,673	11,247	11,943	9	Houghton	334	348	367	5.6	8,898	9,432	9,837	69	
Piscataquis	175	178	189	6.0	9,771	9,930	10,492	13	Huron	471	490	461	2.5	13,079	12,372	12,607	30	
Sagadahoc	358	382	432	13.1	12,045	12,363	13,626	3	Ingham	3,497	3,735	4,009	7.3	12,903	13,704	14,431	9	
Somerset	492	457	500	9.3	9,228	9,759	10,609	11	Ionia	502	534	552	3.8	9,615	10,118	10,280	64	
Waldo	263	273	296	8.4	8,966	9,186	9,839	16	Iosco	278	293	314	7.2	9,235	9,763	10,322	62	
Washington	300	326	349	7.0	8,810	9,576	10,284	15	Iron	145	148	154	4.1	10,443	10,739	11,008	48	
York	1,729	1,877	2,072	10.4	11,425	12,121	13,050	5	Isabella	542	566	612	8.2	10,012	10,646	11,306	44	
Maryland	64,544	70,128	75,233	7.3	14,843	15,964	16,856	.....	Jackson	1,676	1,741	1,830	5.1	11,622	12,144	12,666	28	
Metropolitan portion	61,006	66,325	71,087	7.2	15,098	16,253	17,142	.....	Kalamazoo	2,760	2,936	3,140	6.9	12,931	13,714	14,425	10	
Nonmetropolitan portion	3,558	3,803	4,146	9.0	11,500	12,186	13,099	.....	Kalkaska	97	101	110	8.5	8,497	8,708	9,224	77	
Allegany	810	842	879	4.3	10,575	11,182	11,802	22	Kent	6,026	6,503	6,961	7.1	13,097	13,920	14,578	8	
Anne Arundel	6,032	6,604	7,155	8.3	15,387	16,602	17,622	5	Keweenaw	17	17	18	6.8	8,476	8,175	8,900	82	
Baltimore	10,591	11,352	12,069	6.8	15,903	17,063	18,005	4	Lake	64	67	71	7.0	7,626	7,881	8,268	83	
Calvert	528	607	661	8.9	13,324	14,635	15,142	10	Lapeer	799	893	928	3.9	11,548	12,811	13,184	20	
Caroline	259	268	289	7.5	10,911	11,233	12,015	21	Leelanau	176	189	204	7.5	12,278	12,885	13,618	14	
Carroll	1,544	1,700	1,834	7.9	14,671	15,737	16,426	6	Lenawee	1,050	1,113	1,172	5.3	11,964	12,599	13,210	19	
Cecil	774	852	906	6.3	11,946	12,986	13,412	15	Livingston	1,348	1,516	1,628	7.4	13,415	14,826	15,561	4	
Charles	1,032	1,176	1,259	7.1	12,471	13,755	14,152	12	Luce	69	73	78	6.7	11,645	12,565	13,279	18	
Dorchester	348	371	396	6.9	11,656	12,426	13,242	17	Mackinac	101	107	112	5.4	9,843	10,460	10,741	53	
Frederick	1,614	1,786	1,890	5.8	12,892	13,952	14,375	11	Macomb	9,917	11,061	11,829	6.9	14,417	15,956	16,966	3	
Garrett	243	254	268	5.7	9,189	9,604	10,148	24	Manistee	226	233	243	4.2	10,182	10,510	10,952	49	
Harford	2,160	2,886	2,553	7.0	14,299	15,564	16,123	7	Marquette	706	730	777	6.4	9,842	10,222	10,887	51	
Howard	2,670	3,038	3,348	10.2	19,532	21,222	22,133	2	Mason	260	269	280	4.1	9,937	10,288	10,626	55	
Kent	214	225	238	5.5	12,728	13,983	14,043	13	Mecosta	296	316	341	7.8	7,988	8,472	8,930	81	
Montgomery	13,242	14,641	15,968	9.1	21,104	22,736	24,003	1	Menominee	253	262	273	4.1	9,774	10,133	10,548	59	
Prince Georges	9,134	9,849	10,582	7.4	13,565	14,575	15,530	9	Midland	965	1,040	1,123	7.9	12,798	14,365	15,504	5	
Queen Anne's	383	432	460	6.5	13,708	15,074	15,539	8	Missaukee	87	94	100	6.1	8,275	8,698	9,182	76	
St. Marys	691	765	881	8.7	10,783	11,643	12,350	20	Monroe	1,594	1,719	1,791	4.2	12,155	13,136	13,573	15	
Somerset	172	190	211	11.2	9,068	9,915	10,896	23	Montcalm	509	552	553	4.1	10,219	10,510	10,886	52	
Talbot	449	483	523</td															

## SURVEY OF CURRENT BUSINESS

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984-86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>					
	Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State		Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State			
	1984	1985	1986	1984	1985	1986	1986	1984	1985	1986	1986	1986	1986			
Beltrami.....	299	319	329	3.0	9,136	9,674	9,962	80	Mississippi.....	23,159	24,242	25,454	5.0	8,910	9,273	9,697
Benton.....	264	289	302	4.7	10,034	10,842	11,154	69	Metropolitan portion.....	7,834	8,211	8,822	7.4	10,302	10,562	11,196
Big Stone.....	80	84	88	4.4	10,442	11,231	12,004	56	Nonmetropolitan portion.....	15,326	16,031	16,632	3.8	8,334	8,727	9,054
Blue Earth.....	597	618	650	5.2	11,577	12,042	12,747	35	Adams.....	401	400	400	-1	10,155	10,149	10,259
Brown.....	328	342	368	7.7	11,492	12,119	13,177	30	Alcorn.....	62	64	63	-1.0	7,205	7,400	7,404
Carlton.....	299	312	343	9.8	9,967	10,463	11,471	63	Bolivar.....	332	351	351	-1	7,321	7,920	7,953
Carver.....	536	587	621	5.8	13,698	14,725	15,176	9	Calhoun.....	119	122	129	5.6	7,746	7,883	8,390
Cass.....	192	204	215	5.7	8,838	9,385	10,015	78	Carroll.....	65	69	69	.4	6,769	7,091	7,126
Chippewa.....	161	172	179	3.9	10,961	11,877	12,572	43	Chickasaw.....	150	156	162	4.0	8,304	8,690	9,014
Chisago.....	321	338	363	7.6	11,679	12,136	12,901	34	Choctaw.....	67	68	69	.8	7,491	7,657	7,757
Clay.....	547	557	598	7.4	11,286	11,514	12,516	44	Clairborne.....	85	88	90	2.0	6,903	7,270	7,449
Clearwater.....	72	74	79	7.1	8,172	8,244	9,032	86	Clarke.....	138	142	147	4.0	8,095	8,389	8,659
Cook.....	44	47	49	5.7	10,818	11,419	12,059	55	Clay.....	180	187	195	4.2	8,203	8,578	8,900
Cottonwood.....	174	236	199	-15.5	12,150	16,645	14,343	14	Coahoma.....	283	293	291	-8	7,874	8,279	8,179
Crow Wing.....	450	475	500	5.3	10,388	10,847	11,205	68	Copiah.....	213	222	235	5.7	8,063	8,388	8,829
Dakota.....	3,217	3,552	3,808	7.5	15,102	16,130	16,677	4	Covington.....	121	128	135	5.8	7,469	7,927	8,236
Dodge.....	167	176	194	10.6	10,906	11,422	12,707	37	De Soto.....	596	657	693	5.6	10,211	10,748	10,897
Douglas.....	285	300	322	7.4	9,848	10,260	11,051	71	Forrest.....	627	666	696	4.4	9,118	9,787	10,190
Faribault.....	228	238	256	7.6	12,055	12,710	13,921	17	Franklin.....	74	77	79	2.6	8,704	8,874	9,000
Fillmore.....	237	236	265	12.0	10,890	10,921	12,397	48	George.....	119	122	136	11.3	7,404	7,593	8,317
Freeborn.....	408	416	446	7.2	11,539	11,911	12,936	33	Greene.....	63	65	66	.4	6,498	6,857	6,790
Goodhue.....	473	495	535	8.2	12,007	12,548	13,576	19	Grenada.....	187	197	206	4.4	8,668	8,985	10,067
Grant.....	85	89	99	10.9	12,163	13,107	14,797	11	Hancock.....	255	262	289	10.5	8,822	8,558	9,161
Hennepin.....	16,667	17,870	19,069	6.7	17,222	18,240	19,303	1	Harrison.....	1,646	1,680	1,844	9.8	9,794	9,850	10,684
Houston.....	190	202	220	8.9	10,084	10,700	11,577	62	Hinds.....	3,005	3,181	3,343	5.1	11,682	12,264	12,862
Hubbard.....	129	139	149	7.0	8,999	9,517	9,991	79	Holmes.....	143	146	151	3.9	6,096	6,298	6,611
Isanti.....	261	278	288	3.5	10,557	11,119	11,361	66	Humphreys.....	111	116	109	-6.1	7,873	8,363	8,887
Itasca.....	420	435	450	3.3	9,814	10,179	10,572	74	Issaquena.....	20	15	14	-3.3	8,566	8,608	8,365
Jackson.....	153	158	177	12.0	11,286	11,694	13,370	27	Itawamba.....	157	164	174	5.7	7,614	7,963	8,462
Kanabec.....	121	125	134	7.0	9,729	9,923	10,652	73	Jackson.....	1,133	1,136	1,297	14.2	9,031	8,959	10,122
Kandiyohi.....	407	429	471	9.7	10,675	11,290	12,363	50	Jasper.....	182	187	145	6.1	7,529	7,853	8,605
Kittson.....	111	93	94	1.3	17,36	14,638	15,187	8	Jefferson.....	55	58	56	5.4	6,051	6,004	6,344
Koochiching.....	172	164	162	-1.1	10,370	10,151	10,571	75	Jefferson Davis.....	94	100	105	4.7	6,522	6,953	7,243
Lac Qui Parle.....	105	117	127	8.3	10,183	11,427	12,636	39	Jones.....	593	631	650	3.0	9,343	10,043	10,309
Lake.....	104	104	102	-2.3	8,747	8,939	8,855	87	Kemper.....	69	71	73	3.4	6,762	7,001	7,256
Lake of the Woods.....	38	38	40	6.2	10,006	9,898	10,492	77	Lafayette.....	244	257	275	6.8	7,767	8,388	9,005
Le Sueur.....	285	295	316	7.3	12,068	12,492	13,522	21	Lamar.....	220	228	241	5.5	8,819	8,432	8,802
Lincoln.....	75	84	91	8.0	9,580	10,890	11,929	57	Lauderdale.....	827	887	932	5.2	10,563	11,384	12,024
Lyon.....	288	306	330	8.1	11,309	12,109	12,223	29	Lawrence.....	101	115	110	-4.1	7,786	8,368	8,446
McLeod.....	368	393	421	7.1	11,987	12,742	14,488	23	Leake.....	155	157	168	6.7	8,116	8,351	8,886
Mahnomen.....	59	53	59	12.4	11,035	9,797	11,137	70	Lafayette.....	600	644	698	8.4	10,050	10,478	11,244
Marshall.....	176	156	164	5.1	14,143	12,673	13,467	24	Lamar.....	353	365	366	.1	8,284	8,825	8,864
Martin.....	313	324	353	9.1	12,500	13,009	14,396	13	Lauderdale.....	245	257	273	6.2	7,905	8,264	8,705
Meeker.....	230	245	262	7.0	10,918	11,586	12,403	47	Lowndes.....	563	595	623	4.8	9,492	9,880	10,349
Mille Lacs.....	196	207	214	3.1	10,419	10,943	11,274	67	Madison.....	413	444	449	1.2	9,003	9,097	8,984
Morrison.....	259	275	298	8.3	8,571	9,099	9,849	81	Marion.....	202	212	218	3.0	7,499	7,891	8,107
Mower.....	507	488	526	7.8	12,715	12,282	13,522	21	Marshall.....	221	235	236	2	6,890	7,151	7,097
Murray.....	118	124	142	14.6	10,615	11,381	13,425	25	Monroe.....	319	332	349	5.2	8,629	9,015	9,518
Nicollet.....	287	303	325	7.3	10,548	11,035	11,807	59	Neshoba.....	97	98	103	4.9	7,446	7,622	8,141
Nobles.....	243	255	281	10.0	11,340	12,101	13,596	18	Newton.....	176	183	195	6.6	8,728	9,051	9,634
Norman.....	131	119	127	6.8	14,964	13,738	14,868	10	Noxubee.....	85	86	87	1.4	6,572	6,641	6,769
Olmsted.....	1,456	1,542	1,645	6.7	15,150	15,881	16,798	2	Oktibbeha.....	289	311	326	4.8	7,810	8,484	8,826
Otter Tail.....	522	548	593	8.2	9,941	10,477	11,368	65	Panola.....	216	223	233	4.8	7,424	7,632	7,921
Pennington.....	158	163	169	3.5	11,211	11,643	12,222	52	Pearl River.....	317	314	335	6.6	8,394	8,131	8,511
Pine.....	178	187	200	7.4	8,512	8,847	9,691	84	Perry.....	89	86	88	1.5	8,588	8,520	8,683
Pistone.....	121	124	139	11.8	10,666	11,167	12,664	38	Pike.....	302	316	331	4.5	8,216	8,465	8,824
Polk.....	424	448	444	7.2	11,087	11,858	12,611	41	Pontotoc.....	178	195	206	5.4	8,146	8,822	9,202
Pope.....	112	116	124	6.9	9,627	10,071	10,848	72	Prentiss.....	97	98	103	5.9	7,430	7,760	8,199
Ramsey.....	7,072	7,495	7,961	6.2	15,115	15,896	16,795	3	Quitman.....	84	90	81	-9.8	7,333	7,963	7,244
Red Lake.....	61	58	58	-7	11,683	11,456	11,641	61	Rankin.....	785	851	907	6.5	10,270	10,624	11,040
Redwood.....	205	216	230	6.8	10,793	11,390	12,478	45	Scott.....	208	220	249	12.9	8,228	8,562	9,585
Renville.....	230	238	257	7.8	11,452	11,961	13,135	31	Sharkey.....	66	61	53	-13.1	8,266		

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>3</sup>			Area name	Total personal income			Per capita personal income <sup>3</sup>			Area name	Total personal income		
	Millions of dollars			Percent change <sup>2</sup>				Dollars			Rank in State				Millions of dollars		
	1984	1985	1986	1985–86	1984	1985	1986	1984	1985	1986	1986	1984	1985	1986	1984	1985	1986
																1984	1985
Missouri .....	62,525	66,554	70,503	5.9	12,491	13,217	13,916	Putnam .....	51	51	53	2.6	8,736	9,210	9,609	93	
Metropolitan portion .....	45,809	48,914	51,947	6.2	13,954	14,771	15,573	Ralls .....	87	100	99	-1.1	9,590	11,164	11,150	55	
Nonmetropolitan portion .....	16,716	17,640	18,556	5.2	9,704	10,233	10,723	Randolph .....	254	267	280	5.0	9,784	10,148	10,691	66	
Adaир .....	230	228	253	6.3	9,255	9,745	10,588	Ray .....	244	269	283	5.2	11,264	12,291	12,814	15	
Andrew .....	155	165	172	4.2	10,474	11,167	11,537	Reynolds .....	50	50	52	3.9	6,959	7,170	7,888	111	
Atchison .....	89	97	99	1.8	10,512	11,918	12,435	Ripley .....	84	90	95	5.3	6,636	7,014	7,389	113	
Audrain .....	280	293	296	1.1	10,566	11,350	11,657	St. Charles .....	2,314	2,602	2,789	7.2	13,979	15,057	15,333	4	
Barry .....	252	262	281	7.0	9,756	10,021	10,671	St. Clair .....	78	78	84	7.5	9,172	9,287	10,072	83	
Barton .....	118	126	138	9.3	10,289	11,012	12,045	Ste. Genevieve .....	166	172	180	5.2	10,837	11,015	11,298	48	
Bates .....	173	182	191	5.2	11,020	11,619	12,057	St. Francois .....	442	468	493	5.4	10,164	10,653	11,149	56	
Benton .....	110	116	124	7.5	8,844	9,057	9,616	St. Louis .....	16,537	17,649	18,939	7.3	16,747	17,787	19,069	1	
Bollinger .....	79	83	86	4.0	7,617	7,846	8,085	Saline .....	287	295	303	2.6	11,586	12,063	12,383	22	
Boone .....	1,242	1,320	1,409	6.7	11,828	12,588	13,281	Scott .....	45	47	48	2.3	9,677	10,232	10,686	67	
Buchanan .....	1,002	1,053	1,108	5.2	11,636	12,290	12,905	Shelby .....	53	56	57	1.6	10,189	10,869	11,167	53	
Butler .....	351	364	379	4.1	9,102	9,424	9,883	Scotland .....	394	407	426	4.6	9,823	10,106	10,588	69	
Caldwell .....	94	100	102	1.5	11,485	12,266	12,462	Scott .....	3,849	4,000	4,201	4.2	6,266	6,658	111	115	
Callaway .....	357	369	384	5.4	10,907	11,524	12,215	Shannon .....	49	50	52	4.2	6,127	6,658	7,000	37	
Camden .....	244	263	281	7.0	10,499	10,709	11,168	Shelby .....	77	84	85	4.4	10,201	11,432	11,590	72	
Cape Girardeau .....	633	720	767	6.5	11,417	11,908	12,505	Stoddard .....	280	297	302	1.6	9,783	10,341	10,512	72	
Carroll .....	124	138	138	3.0	10,690	12,075	12,118	Stone .....	171	188	204	8.2	9,949	10,732	11,312	47	
Carter .....	40	41	42	2.5	6,983	7,121	7,265	Sullivan .....	65	69	70	2.5	9,179	9,773	10,279	79	
Cass .....	635	747	796	6.5	12,496	13,384	13,895	Taney .....	244	261	279	6.8	10,478	10,866	11,273	49	
Cedar .....	109	110	116	4.9	8,870	9,060	9,367	Texas .....	174	182	194	6.6	8,058	8,429	9,011	100	
Chariton .....	102	113	115	1.9	10,030	11,226	11,533	Vernon .....	209	220	234	6.5	10,566	11,210	11,819	35	
Christian .....	257	284	301	6.0	10,499	11,043	11,093	Warren .....	209	228	237	3.8	12,659	13,086	13,086	10	
Clark .....	75	82	81	-5	9,181	10,032	10,127	Washington .....	157	165	174	4.9	8,458	8,832	9,156	99	
Clay .....	2,002	2,166	2,297	6.1	14,196	15,038	15,854	Wayne .....	81	87	93	7.3	6,937	7,358	7,960	110	
Clinton .....	181	193	201	3.8	11,197	11,918	12,228	Webster .....	187	202	215	6.8	8,580	9,057	9,508	95	
Cole .....	701	743	800	7.6	11,547	12,074	12,609	Worth .....	24	29	30	4.4	8,408	10,412	11,051	61	
Cooper .....	155	162	168	3.8	10,298	10,750	11,058	Wright .....	130	134	145	8.0	7,834	8,095	8,812	102	
Crawford .....	179	188	201	6.7	9,397	9,901	10,475	St. Louis City .....	5,573	5,817	6,052	4.0	12,950	13,573	14,198	6	
Dade .....	70	72	77	8.0	9,379	9,582	10,315	Montana .....	8,922	9,114	9,681	6.2	10,835	11,041	11,821	111	
Dallas .....	105	107	113	5.0	8,339	8,511	8,840	Metropolitan portion .....	2,486	2,534	2,598	2.5	12,395	12,590	13,019	111	
Davies .....	73	81	85	4.8	8,476	9,524	9,942	Nonmetropolitan portion .....	6,437	6,580	7,082	7.6	10,333	10,541	11,435	111	
De Kalb .....	80	87	92	5.4	9,902	10,823	11,343	Beaverhead .....	82	84	95	12.8	9,718	9,928	11,219	32	
Dent .....	131	136	144	6.1	8,877	9,417	10,109	Big Horn .....	103	104	119	14.3	8,914	8,972	10,188	46	
Douglas .....	85	88	93	5.1	8,687	9,738	10,612	Blaine .....	56	56	69	24.0	7,955	7,796	9,998	47	
Dunklin .....	289	297	302	2.0	8,105	8,444	8,781	Broadwater .....	29	29	37	25.6	8,478	8,301	10,484	45	
Franklin .....	897	959	1,011	5.5	11,964	12,479	12,972	Carbon .....	80	85	90	7.0	9,289	9,857	10,691	41	
Gasconade .....	157	165	175	5.9	11,700	12,307	12,940	Carter .....	14	14	20	45.8	8,117	7,720	11,404	30	
Gentry .....	80	84	89	6.3	10,208	10,920	11,961	Cascade .....	987	1,000	1,034	3.4	12,118	12,375	13,020	9	
Greene .....	2,297	2,449	2,614	6.7	11,935	12,524	13,187	Chouteau .....	60	60	82	37.5	9,759	9,882	13,928	3	
Grundy .....	112	121	127	4.6	9,816	10,721	11,336	Custer .....	158	162	164	1.0	11,690	12,126	12,454	14	
Harrison .....	95	102	105	3.0	9,744	10,656	11,167	Daniels .....	27	26	39	48.5	9,614	9,591	14,810	2	
Henry .....	215	223	230	3.4	10,985	11,204	11,492	Dawson .....	134	130	132	1.5	11,053	11,027	11,545	27	
Hickory .....	49	54	58	9.3	7,106	7,621	8,320	Deer Lodge .....	101	103	105	2.4	9,037	9,293	9,784	50	
Holt .....	68	79	80	1.3	10,165	12,072	12,398	Fallon .....	44	43	44	2.3	11,860	11,411	12,087	21	
Howard .....	99	103	108	4.6	10,170	10,652	11,066	Fergus .....	127	127	143	13.8	9,926	9,837	11,434	29	
Howell .....	256	269	287	6.8	8,515	8,974	9,564	Flathead .....	634	658	671	2.1	11,432	11,485	11,611	26	
Iron .....	97	102	107	5.2	8,557	9,204	9,839	Gallatin .....	498	522	542	3.7	10,645	10,941	11,336	31	
Jackson .....	8,579	9,124	9,649	5.8	13,372	14,370	15,164	Garfield .....	14	14	22	65.5	8,256	8,004	13,426	6	
Jasper .....	941	989	1,036	4.7	10,586	11,052	11,566	Glacier .....	109	108	122	12.6	9,509	9,584	10,887	37	
Jefferson .....	1,791	1,921	2,011	4.7	11,478	11,992	12,279	Golden Valley .....	10	10	14	32.2	9,182	12,436	16,486	16	
Johnson .....	356	380	417	9.8	9,370	10,038	10,974	Granite .....	26	26	28	7.3	9,747	9,590	10,516	44	
Knox .....	46	51	51	.6	8,704	10,062	10,418	Hill .....	193	189	218	15.0	10,393	10,392	12,102	20	
Laclede .....	245	256	270	5.8	9,435	9,742	10,274	Jefferson .....	89	94	101	7.2	11,150	11,716	12,412	17	
Lafayette .....	343	376	394	4.7	11,526	12,430	12,903	Judith Basin .....	24	23	28	23.5	8,839	8,570	10,979	35	
Lawrence .....	285	308	331	7.7	9,584	10,265	10,884	Lake .....	176	188	204	8.5	8,679	9,055	9,929	48	
Lewis .....	103	113	112	-1.0	9,407	10,550	10,510	Lewis and Clark .....	555	587	599	2.0	12,208	12,749	12,910	11	
Lincoln .....	267	300	320	6.9	11,190	12,022	12,250	Liberty .....	25	39							

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>3</sup>			Area name	Total personal income			Per capita personal income <sup>3</sup>						
	Millions of dollars			Percent change <sup>2</sup>				Dollars			Millions of dollars						
	1984	1985	1986	1985-86	1984	1985	1986	1984	1985	1986	1984	1985	1986				
							1986						1986				
Wibaux.....	14	12	14	16.4	9,326	8,655	10,620	48	Stanton.....	68	72	80	11.0	10,401	11,048	12,413	63
Yellowstone.....	1,499	1,535	1,564	1.9	12,584	12,735	13,019	10	Thayer.....	91	102	104	2.0	12,126	13,842	14,354	22
Park (incl. Ylwstn. Natl. Park).....	147	153	161	5.4	10,915	11,296	12,161	19	Thomas.....	10	10	10	6.6	10,429	10,062	11,084	83
Nebraska.....	19,778	20,913	21,930	4.9	12,321	13,031	13,726	.....	Thurston.....	55	57	62	8.6	7,555	7,998	8,696	93
Metropolitan portion.....	9,632	10,327	10,845	5.0	13,112	13,351	14,466	.....	Valley.....	68	73	76	5.0	11,479	12,256	13,053	44
Nonmetropolitan portion.....	10,086	10,586	11,085	4.7	11,646	12,319	13,072	.....	Washington.....	188	212	224	5.5	11,994	13,471	14,116	24
Adams.....	385	407	415	1.9	12,829	13,018	13,420	34	Wayne.....	94	97	106	8.7	9,420	9,957	11,013	85
Antelope.....	97	103	107	4.1	11,124	11,949	12,739	53	Webster.....	64	62	65	3.8	13,456	13,450	13,945	26
Arthur.....	5	5	6	10.2	9,854	10,840	12,140	70	Wheeler.....	20	23	24	2.9	18,959	21,758	23,372	2
Banner.....	14	9	12	30.4	14,068	9,043	11,880	72	York.....	206	217	221	1.8	13,691	14,466	14,873	16
Blaine.....	7	6	8	28.2	8,824	8,867	11,588	76	Nevada.....	12,678	13,768	14,878	8.1	13,832	14,701	15,445	.....
Boone.....	83	88	88	6.7	11,252	11,408	12,469	60	Metropolitan portion.....	10,546	11,477	12,407	8.1	13,977	14,895	15,625	.....
Box Butte.....	197	192	203	5.5	13,738	13,124	13,877	28	Nonmetropolitan portion.....	2,133	2,291	2,471	7.9	13,160	13,799	14,602	.....
Boyd.....	31	31	34	10.4	9,462	9,726	11,008	86	Churchill.....	163	178	195	9.6	11,564	12,089	12,722	12
Brown.....	52	49	52	5.6	12,131	11,618	12,728	54	Clark.....	7,160	7,826	8,484	8.4	13,242	14,211	14,898	7
Buffalo.....	400	414	429	3.7	10,674	11,080	11,664	75	Douglas.....	363	404	450	11.4	16,956	18,102	19,397	1
Burt.....	96	111	117	5.9	10,979	12,904	14,012	25	Elko.....	261	276	294	6.7	12,814	13,007	13,421	8
Butler.....	108	124	131	5.8	11,678	13,471	14,403	21	Esmeralda.....	19	19	20	7.2	13,425	13,847	15,738	5
Cass.....	233	262	271	3.7	10,973	12,158	12,390	65	Eureka.....	15	20	20	1.0	11,635	12,297	16,458	4
Cedar.....	98	99	112	13.2	8,760	8,873	10,221	90	Humboldt.....	120	122	124	2.2	10,994	11,734	11,775	16
Chase.....	63	66	69	4.1	12,000	13,858	14,788	18	Lander.....	53	56	56	.1	12,081	13,103	13,249	10
Cherry.....	62	64	72	11.6	8,980	9,294	10,560	89	Lincoln.....	43	44	45	2.7	12,184	12,591	13,316	9
Cheyenne.....	148	140	150	7.5	14,767	13,776	14,829	17	Lyon.....	184	201	216	7.2	11,797	12,143	12,518	13
Clay.....	110	122	126	2.9	13,846	15,655	16,455	7	Mineral.....	73	74	76	2.9	12,133	12,054	12,499	14
Colfax.....	104	113	120	5.9	10,707	11,772	12,603	56	Nye.....	159	167	174	4.3	11,322	11,392	11,946	15
Cuming.....	118	122	137	12.2	10,262	10,863	12,361	66	Pershing.....	37	36	43	19.8	10,124	9,708	11,514	17
Custer.....	161	164	173	5.7	11,541	12,079	13,238	37	Storey.....	25	27	29	7.8	13,889	15,040	15,583	6
Dakota.....	187	196	196	-.1	10,750	11,248	11,342	80	Washeo.....	3,886	3,651	3,923	7.5	15,837	16,608	17,469	2
Dawes.....	105	101	106	5.0	11,011	10,754	11,423	78	White Pine.....	92	92	99	7.7	11,207	11,723	12,958	11
Dawson.....	251	247	248	5.1	11,282	11,234	11,828	73	Carson City.....	526	575	628	9.2	14,877	15,835	17,020	3
Deuel.....	38	37	40	6.5	15,679	15,712	16,829	6	New Hampshire.....	13,752	15,326	16,768	9.4	14,057	15,342	16,328	.....
Dixon.....	67	68	77	13.1	9,553	9,902	11,455	77	Metropolitan portion.....	8,837	9,927	10,873	9.5	14,864	16,246	17,258	.....
Dodge.....	422	455	465	2.2	11,827	12,870	13,211	38	Nonmetropolitan portion.....	4,915	5,399	5,894	9.2	12,908	13,917	14,852	.....
Douglas.....	5,728	6,059	6,348	4.8	14,010	14,691	15,300	14	Belknap.....	617	680	738	8.5	13,588	14,926	15,678	4
Dundy.....	45	50	50	1.8	15,561	17,240	18,085	5	Carroll.....	411	460	517	12.3	13,647	15,051	16,281	3
Fillmore.....	113	133	136	2.6	14,590	17,519	18,450	4	Cheshire.....	809	876	950	8.5	12,546	13,378	14,194	7
Franklin.....	52	54	56	5.2	11,941	12,793	13,924	27	Coos.....	391	416	446	7.2	11,540	12,278	13,114	10
Frontier.....	39	40	45	12.2	10,772	11,267	13,031	45	Grafton.....	838	912	1,015	11.2	12,268	13,320	14,583	6
Furnas.....	77	78	85	8.3	11,861	12,346	13,736	30	Hillsborough.....	4,648	5,180	5,667	9.4	15,716	16,903	18,031	1
Gage.....	264	291	309	6.1	10,977	12,273	13,143	39	Merrimack.....	1,399	1,569	1,713	9.2	13,484	14,732	15,611	5
Garden.....	44	43	45	4.4	16,131	15,143	16,088	9	Hillsborough.....	3,102	3,549	3,905	10.0	14,952	16,685	17,606	2
Garfield.....	24	21	23	9.4	9,941	9,380	10,689	88	Rockingham.....	1,086	1,198	1,301	8.6	11,902	13,041	13,849	8
Gosper.....	33	34	34	-.6	15,367	15,524	15,967	10	Strafford.....	450	485	517	6.4	12,035	12,965	13,652	9
Grant.....	8	5	10	109.2	10,925	12,190	12,900	69	Sullivan.....	2,658	2,873	3,053	6.3	12,911	13,788	14,432	19
Greeley.....	36	36	40	10.2	10,769	10,925	12,190	69	New Jersey.....	123,602	133,487	143,849	7.8	16,455	17,655	18,879	.....
Hall.....	587	612	638	4.3	11,866	12,357	13,054	43	Metropolitan portion.....	123,602	133,487	143,849	7.8	16,455	17,655	18,879	.....
Hamilton.....	119	129	130	.3	12,777	14,002	14,249	23	Atlantic.....	8,411	8,680	9,951	7.4	17,010	18,092	19,229	9
Harlan.....	48	50	53	6.3	11,305	11,852	12,939	49	Bergen.....	17,381	18,679	20,200	8.1	20,600	22,240	24,136	2
Hayes.....	19	24	26	6.0	14,229	18,163	18,881	3	Burlington.....	5,568	6,079	6,547	7.7	14,748	16,005	17,021	13
Hitchcock.....	48	53	57	6.9	12,050	13,374	14,497	19	Camden.....	6,674	7,187	7,691	7.0	13,765	14,751	15,606	17
Holt.....	170	172	180	4.6	12,222	14,202	13,329	35	Cape May.....	1,344	1,473	1,569	6.6	15,204	16,318	17,073	12
Hooker.....	9	10	10	5.7	8,887	9,519	10,750	87	Cumberland.....	1,535	1,640	1,723	5.1	11,469	12,162	12,732	21
Howard.....	68	73	76	8.8	9,989	11,085	11,751	74	Essex.....	12,839	13,610	14,625	7.5	15,260	16,126	17,372	11
Jefferson.....	117	129	135	4.2	12,155	13,542	14,406	20	Gloucester.....	2,658	2,873	3,053	6.3	12,911	13,788	14,432	19
Johnson.....	52	60	64	6.1	9,981	11,993	12,399	48	Hudson.....	7,192	7,532	8,017	6.4	12,833	13,522	14,495	18
Kearney.....	94	102	103	1.0	13,729	15,056	15,504	12	Hunterdon.....	1,811	2,035	2,223	9.2	19,686	21,747	23,101	4
Keith.....	125	131	133	2.0	13,580	14,355	14,921	15	Mercer.....	5,258	5,725	6,195	8.2	16,759	18,039	19,309	8
Keya Paha.....	11	11	14	20.3	9,												





## SURVEY OF CURRENT BUSINESS

April 1988

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars			Percent change <sup>b</sup> 1985-86	Dollars			Area name	Millions of dollars			Percent change <sup>b</sup> 1985-86	Dollars				
	1984	1985	1986		1984	1985	1986		1984	1985	1986		1984	1985	1986		
Canadian .....	887	928	936	.9	12,790	13,048	12,822	15	Josephine .....	597	639	671	5.0	9,488	9,589	9,841	36
Carter .....	554	578	580	.3	11,706	12,180	12,206	18	Klamath .....	608	634	650	2.5	10,446	10,957	11,305	31
Cherokee .....	257	275	296	7.5	7,585	8,003	8,496	67	Lake .....	87	89	91	1.8	11,113	11,621	12,274	15
Choctaw .....	130	135	138	2.6	7,783	8,247	8,341	69	Lane .....	2,968	3,112	3,268	5.0	11,140	11,794	12,419	13
Cimarron .....	66	82	81	-.4	16,329	20,388	20,717	1	Lincoln .....	408	435	464	6.6	11,131	11,897	12,643	10
Cleveland .....	1,947	2,046	2,072	1.3	12,411	12,890	12,807	16	Linn .....	907	951	976	2.6	10,025	10,638	10,961	33
Coal .....	45	48	49	-.8	7,505	8,085	8,179	72	Malheur .....	274	273	291	6.7	9,461	9,468	10,260	35
Comanche .....	1,168	1,239	1,271	2.6	9,592	10,267	10,528	44	Marion .....	2,368	2,523	2,678	6.2	11,164	11,804	12,436	12
Cotton .....	68	75	79	5.5	9,284	10,620	11,271	30	Morrow .....	100	106	113	6.7	12,565	13,046	13,957	6
Craig .....	160	169	176	4.1	10,399	10,981	11,644	23	Multnomah .....	7,649	8,091	8,483	4.8	13,584	14,349	14,962	5
Creek .....	728	758	753	-.6	10,607	10,922	10,878	35	Polk .....	481	523	547	4.5	10,612	11,573	11,692	25
Custer .....	329	330	342	3.7	10,607	10,850	11,380	28	Sherman .....	38	34	33	13.2	17,159	15,360	18,009	1
Delaware .....	218	235	255	8.5	7,976	8,416	9,091	63	Tillamook .....	218	235	246	4.6	10,053	11,023	11,669	26
Dewey .....	79	79	83	4.9	12,005	12,525	13,293	14	Umatilla .....	645	673	702	4.3	10,543	11,111	11,654	28
Ellis .....	74	74	79	6.3	11,886	12,591	13,982	10	Union .....	270	272	280	2.9	10,985	11,215	11,809	21
Garfield .....	872	865	858	-.9	13,222	13,437	13,642	12	Wallowa .....	81	80	84	5.2	10,565	10,678	11,669	26
Garvin .....	331	344	342	-.5	10,860	11,468	11,498	25	Wasco .....	263	256	269	5.2	11,847	11,588	12,608	11
Grady .....	474	482	479	-.6	10,557	10,697	10,747	38	Washington .....	3,823	4,047	4,378	8.2	14,492	15,090	16,133	3
Grant .....	102	92	106	16.2	15,082	13,788	16,288	3	Wheeler .....	17	17	18	1.6	11,098	11,635	12,030	19
Greer .....	66	68	72	4.5	9,143	9,717	10,386	47	Yamhill .....	632	663	698	5.4	10,977	11,442	12,145	17
Harmon .....	41	42	47	11.4	8,850	9,322	10,643	43	Pennsylvania .....	151,386	160,734	169,387	5.4	12,731	13,548	14,247	.....
Harper .....	65	68	73	7.7	13,266	14,291	15,705	4	Metropolitan portion .....	132,079	140,464	148,264	5.6	13,136	13,998	14,740	.....
Haskell .....	98	104	109	4.7	8,288	8,742	9,259	61	Nonmetropolitan portion .....	19,307	20,270	21,124	4.2	10,514	11,082	11,541	.....
Hughes .....	118	120	120	.5	7,811	8,131	8,320	70	Adams .....	826	885	952	7.5	11,841	12,595	13,371	15
Jackson .....	299	317	331	4.3	9,493	9,540	10,060	50	Allegheny .....	19,808	20,716	21,769	5.1	14,057	14,952	15,848	.....
Jefferson .....	78	77	79	2.3	9,465	9,540	10,060	50	Armstrong .....	860	922	948	2.8	10,930	11,765	12,074	32
Johnston .....	79	82	85	3.6	7,235	7,498	7,737	75	Beaver .....	2,215	2,258	2,211	-2.1	11,180	11,579	11,443	43
Kay .....	758	758	759	7.1	14,184	14,370	14,541	7	Bedford .....	438	455	483	6.1	9,162	9,589	10,118	63
Kingfisher .....	187	187	195	4.2	11,353	11,596	12,366	17	Berks .....	4,547	4,792	5,036	5.1	14,295	15,046	15,689	6
Kiowa .....	141	144	147	2.2	10,642	11,363	11,865	20	Blair .....	1,345	1,439	1,514	5.2	10,070	10,823	11,429	44
Latimer .....	78	83	86	3.8	7,528	7,940	8,064	73	Bradford .....	628	673	707	5.0	9,887	10,540	10,997	51
Le Flore .....	362	382	399	4.6	8,307	8,688	8,976	64	Bucks .....	7,376	8,128	8,619	6.0	14,540	15,830	16,510	4
Lincoln .....	288	292	290	-.5	9,644	9,681	9,692	59	Butler .....	1,733	1,838	1,887	2.9	11,509	12,194	12,487	27
Logan .....	322	330	324	-2.0	10,385	10,621	10,409	45	Cambria .....	1,810	1,850	1,914	3.5	10,187	10,575	11,052	50
Love .....	81	83	85	1.9	10,083	10,462	10,700	40	Cameron .....	62	65	67	3.3	9,432	9,970	10,377	58
McClain .....	252	265	266	-.2	10,411	10,750	10,661	42	Carbon .....	596	633	651	2.9	11,058	11,747	11,975	35
McCurdy .....	273	280	303	10.1	7,541	7,675	8,503	66	Centre .....	1,193	1,264	1,362	7.8	10,527	11,063	11,889	36
McIntosh .....	134	142	147	3.4	7,790	8,112	8,277	71	Chester .....	5,339	5,827	6,248	7.2	15,961	17,393	18,424	2
Major .....	110	106	107	1.1	11,565	11,370	11,802	22	Clarion .....	442	455	473	4.0	10,320	10,656	11,105	48
Marshall .....	108	112	115	2.2	9,380	9,729	9,744	56	Clearfield .....	864	884	913	3.3	10,396	10,689	11,120	46
Mayes .....	328	335	343	2.4	9,140	9,530	9,813	54	Clinton .....	362	370	389	5.2	9,487	9,732	10,230	61
Murray .....	123	129	128	-.4	9,188	9,826	9,769	55	Columbia .....	629	666	698	4.8	10,286	10,906	11,386	45
Muskogee .....	716	749	774	3.4	10,111	10,605	11,021	32	Crawford .....	895	940	965	2.7	10,020	10,679	11,066	49
Noble .....	130	131	136	3.7	10,937	11,071	11,594	24	Cumberland .....	2,406	2,602	2,792	7.3	12,866	13,848	14,702	10
Nowata .....	108	112	110	-2.0	9,290	9,982	10,003	52	Dauphin .....	3,007	3,185	3,391	6.5	12,763	13,459	14,327	12
Oklfuskee .....	99	102	102	-.3	8,318	8,740	8,815	65	Delaware .....	8,604	9,339	9,923	6.3	15,572	16,306	17,701	3
Oklahoma .....	8,732	8,982	8,990	9.5	13,903	14,229	14,263	9	Elk .....	460	464	473	1.8	12,242	12,384	12,622	24
Okmulgee .....	363	385	388	-.8	8,963	9,615	9,700	58	Erie .....	3,174	3,859	3,497	4.1	11,253	12,046	12,524	25
Osage .....	429	435	450	3.2	10,255	10,551	10,936	34	Fayette .....	1,573	1,602	1,622	1.3	9,954	10,219	10,414	57
Ottawa .....	323	335	326	-2.9	9,481	9,841	9,955	60	Forest .....	47	49	50	2.4	9,392	9,952	10,341	59
Pawnee .....	180	188	191	2.0	10,647	11,069	11,075	31	Franklin .....	1,307	1,397	1,462	4.7	11,169	11,885	12,323	29
Payne .....	619	651	674	3.6	9,347	9,996	10,393	46	Fulton .....	127	136	135	-2	9,328	9,829	9,685	66
Pittsburg .....	384	405	426	5.0	8,898	9,311	9,703	57	Greene .....	395	403	428	6.2	9,612	9,851	10,495	56
Pontotoc .....	364	374	376	-.5	10,425	10,673	10,783	37	Huntingdon .....	375	392	415	5.7	8,773	9,167	9,672	67
Pottawatomie .....	675	691	680	-1.5	10,885	11,111	10,987	33	Indiana .....	917	959	1,014	5.7	9,908	10,376	10,969	54
Pushmataha .....	82	85	89	5.0	6,739	6,934	7,409	76	Jefferson .....	522	539	558	3.5	10,719	11,158	11,534	41
Roger Mills .....	49	54	55	3.6	8,167	9,444	9,918	5									









Table 2.—Total Personal Income and Per Capita Personal Income by County, 1984–86—Continued

Area name	Total personal income			Per capita personal income <sup>a</sup>			Area name	Total personal income			Per capita personal income <sup>a</sup>						
	Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State		Millions of dollars		Percent change <sup>b</sup>	Dollars		Rank in State				
	1984	1985	1986	1985–86	1984	1985	1986	1984	1985	1986	1984	1985	1986				
							1986						1986				
Walla Walla.....	629	634	685	8.0	13,030	13,268	14,262	8	Dunn.....	330	340	377	11.0	9,438	9,697	10,767	57
Whatcom.....	1,254	1,349	1,456	7.9	11,239	11,975	12,809	24	Eau Claire.....	910	959	1,030	7.5	10,995	11,588	12,394	30
Whitman.....	479	498	521	4.7	12,001	12,408	12,804	25	Florence.....	38	41	43	5.3	9,407	9,976	10,416	61
Yakima.....	2,004	2,056	2,251	9.5	11,083	11,274	12,285	31	Fond du Lac.....	1,104	1,147	1,215	6.0	12,298	12,700	13,445	19
West Virginia.....	18,902	19,485	20,188	3.6	9,688	10,058	10,520		Forest.....	77	77	80	3.5	8,205	8,280	8,675	71
Metropolitan portion.....	7,774	8,075	8,341	3.3	10,836	11,365	11,885		Grant.....	552	559	615	10.0	10,634	10,842	11,997	36
Nonmetropolitan portion.....	11,128	11,409	11,848	3.8	9,020	9,301	9,734		Green.....	393	407	440	7.9	12,807	13,294	14,419	7
Barbour.....	135	134	135	4.7	8,055	8,031	8,144	49	Green Lake.....	215	226	240	6.1	11,284	11,852	12,684	24
Berkeley.....	508	520	570	9.6	10,221	10,295	11,078	11	Iowa.....	203	201	226	12.6	9,801	9,794	10,979	53
Boone.....	307	320	336	4.9	10,192	10,638	11,235	8	Jackson.....	56	58	60	3.6	8,891	9,398	9,767	69
Braxton.....	121	121	128	6.5	8,157	8,139	8,777	39	Jefferson.....	166	170	181	6.2	10,100	10,342	11,043	51
Brooke.....	280	285	286	2	9,257	9,528	9,685	26	Jenuea.....	218	222	236	6.0	10,198	10,404	11,007	52
Cabell.....	1,154	1,204	1,236	2.7	10,705	11,322	11,803	5	Kenosha.....	1,622	1,646	1,729	5.0	13,398	13,599	14,405	10
Calhoun.....	55	56	58	3.6	6,585	6,836	7,081	54	Keweenaw.....	225	232	251	8.2	11,188	11,587	12,576	27
Clay.....	68	70	70	-1.6	5,879	6,133	6,160	55	La Crosse.....	1,151	1,215	1,278	5.2	12,261	12,902	13,582	16
Doddridge.....	57	60	61	2.0	7,565	7,780	7,882	51	Lafayette.....	173	172	196	14.2	10,005	9,988	11,496	45
Fayette.....	447	453	462	2.0	7,843	8,017	8,326	42	Langlade.....	191	204	213	4.2	9,534	10,311	10,816	55
Gilmer.....	65	66	69	5.3	7,579	7,757	8,160	48	Lincoln.....	277	292	312	7.0	9,953	10,429	11,124	49
Grant.....	97	97	107	10.2	9,997	9,917	11,019	12	Manitowoc.....	960	999	1,053	5.4	11,547	12,097	12,804	22
Greenbrier.....	329	331	360	8.7	8,399	8,529	9,360	31	Marathon.....	1,241	1,309	1,394	6.5	10,999	11,601	12,395	29
Hampshire.....	132	139	153	10.1	8,342	8,657	9,475	29	Marinette.....	423	453	473	4.6	10,551	11,103	11,544	44
Hancock.....	434	450	443	-1.7	10,828	11,211	11,176	9	Marquette.....	119	126	136	8.3	9,500	9,966	10,627	59
Hardy.....	92	97	112	15.0	9,165	9,802	11,170	10	Milwaukee.....	13,224	13,781	14,480	5.1	14,074	14,700	15,530	4
Harrison.....	807	831	849	2.2	10,494	10,919	11,297	7	Pepin.....	77	78	86	9.7	10,324	10,615	11,899	37
Jackson.....	240	238	233	-1.9	9,081	9,008	8,866	36	Pierce.....	369	393	415	5.8	11,099	11,676	12,282	33
Jefferson.....	302	318	353	10.8	9,325	9,675	10,453	18	Polk.....	360	381	407	6.9	10,596	11,108	11,845	39
Kanawha.....	2,773	2,875	2,974	3.5	12,002	12,632	13,269	1	Portage.....	650	688	727	5.7	11,209	11,827	12,391	31
Lewis.....	167	174	175	1.0	8,752	9,174	9,369	30	Price.....	170	179	194	8.3	10,163	10,628	11,713	41
Lincoln.....	154	162	166	2.5	7,176	7,660	7,897	50	Racine.....	2,310	2,403	2,482	3.3	13,488	14,001	14,410	9
Logan.....	453	457	470	2.9	8,903	9,091	9,487	28	Richland.....	164	168	181	7.6	9,429	9,819	10,601	60
McDowell.....	369	375	372	-0.8	7,813	8,066	8,201	47	Rock.....	1,701	1,793	1,865	4.0	12,296	12,963	13,534	18
Marion.....	676	687	672	.7	10,296	10,266	10,492	17	Rusk.....	135	144	156	8.3	8,432	9,116	9,922	68
Marshall.....	385	390	414	6.1	9,514	9,733	10,547	15	St. Croix.....	575	628	678	8.0	12,687	13,735	14,599	5
Mason.....	221	228	228	-1.1	8,452	8,761	8,785	38	Sauk.....	509	532	578	8.7	11,287	11,724	12,684	24
Mercer.....	749	781	821	5.2	10,342	10,947	11,589	6	Sawyer.....	130	136	143	4.9	9,384	9,677	10,073	64
Mineral.....	260	263	286	8.7	9,392	9,455	10,326	20	Sheboygan.....	1,333	1,383	1,465	6.0	12,974	13,463	14,274	11
Mingo.....	334	340	363	6.8	8,980	9,185	9,867	25	Taylor.....	193	194	215	11.0	10,091	10,205	11,426	46
Monongalia.....	776	808	847	4.8	9,860	10,335	10,896	18	Trempealeau.....	272	279	305	9.2	10,312	10,676	11,777	40
Monroe.....	103	106	112	6.2	9,365	8,666	9,193	33	Vernon.....	248	257	275	7.3	9,387	9,620	10,362	63
Morgan.....	109	111	120	8.1	10,783	10,943	11,848	4	Vilas.....	179	188	198	5.4	10,218	10,797	11,334	48
Nicholas.....	251	259	262	1.1	8,821	9,139	9,228	32	Walworth.....	884	934	996	6.6	12,452	13,108	13,916	15
Ohio.....	690	713	746	4.7	11,419	12,047	12,871	2	Washburn.....	133	139	151	8.5	9,757	10,142	10,941	54
Pendleton.....	60	67	76	12.9	7,752	8,540	9,590	27	Washington.....	1,142	1,213	1,289	6.3	13,042	13,722	14,422	6
Pleasants.....	73	77	81	5.2	9,085	9,528	10,069	21	Waukesha.....	4,406	4,698	5,003	6.5	15,564	16,463	17,320	2
Pocahontas.....	87	86	95	10.8	8,847	8,834	10,069	21	Waupaca.....	511	533	575	7.7	11,592	12,028	12,922	21
Preston.....	241	247	254	2.8	7,941	8,096	8,339	41	Wausau.....	200	215	227	5.6	10,319	11,088	11,607	43
Putnam.....	406	434	441	1.5	9,962	10,462	10,427	19	Winnebago.....	1,704	1,814	1,945	7.2	12,655	13,388	14,262	12
Raleigh.....	842	867	884	1.9	9,668	10,108	10,501	16	Wood.....	951	1,009	1,081	7.1	12,298	12,960	13,948	14
Randolph.....	273	277	283	2.0	9,544	9,680	9,966	24	Shawano (incl. Menominee).....	386	379	409	7.9	9,692	9,486	10,053	65
Ritchie.....	90	95	98	2.9	8,036	8,423	8,749	40	Wyoming.....	6,280	6,582	6,481	-1.5	12,244	12,914	12,774	
Roane.....	122	127	129	1.3	7,830	8,165	8,296	44	Metropolitan portion.....	2,008	2,048	1,989	-2.9	13,555	14,050	13,610	
Summers.....	103	108	110	2.7	7,028	7,360	7,661	52	Nonmetropolitan portion.....	4,272	4,534	4,492	-9	11,711	12,460	12,436	
Taylor.....	132	134	134	2.7	7,907	8,134	8,225	46	Albany.....	334	349	355	1.5	11,099	11,865	12,076	12
Tucker.....	72	74	77	3.8	8,259	8,555	8,978	35	Big Horn.....	119	120	118	-2.1	9,484	9,688	9,556	23
Tyler.....	100	104	110	6.1	8,971	9,245	9,968	28	Campbell.....	507	552	505	-8.5	14,545	15,133	13,755	4
Upshur.....	197	206	206	-3	7,848	8,255	8,324	43	Carbon.....	263	257	242	-5.8	12,534	12,785	12,499	10
Wayne.....	377	394	409	3.9	8,304	8,773	9,174	34	Converse.....	155	164	166	1.2	10,591	11,482	11,911	13
Webster.....	79	84	88	4.7	6,594	7,015	7,404	53	Crook.....	68	72	74	2.5	11,468	11,927</		



**Income, 1981:I-1987:IV****Income, States and Regions**

seasonally adjusted at annual rates]

1984				1985				1986				1987				Percent change		Line
I	II	III	IV	1987:III-1987:IV	1986:IV-1987:IV													
3,027,616	3,066,181	3,129,624	3,181,231	3,252,664	3,298,599	3,330,473	3,399,647	3,454,989	3,522,863	3,547,282	3,589,223	3,652,506	3,688,315	3,749,283	3,844,771	2.5	7.1	1
180,974	185,233	189,967	193,613	197,351	200,132	202,903	207,840	212,490	217,000	220,600	225,295	228,118	232,065	238,365	243,170	2.0	7.9	2
51,781	53,240	54,780	55,770	56,669	57,469	58,252	59,586	60,880	62,222	62,915	64,648	65,394	66,449	68,127	69,515	7.5	7.5	3
12,586	12,819	13,017	13,240	13,590	13,647	13,762	14,138	14,487	14,827	15,143	15,487	15,711	16,001	16,471	16,939	2.8	9.4	4
85,115	87,223	89,495	91,207	92,798	94,182	95,473	97,761	99,982	102,035	104,038	105,995	107,390	109,304	112,201	114,387	1.9	7.9	5
13,426	13,525	13,841	14,214	14,827	15,121	15,449	15,904	16,275	16,654	16,904	17,238	17,426	17,785	18,406	18,822	2.3	9.2	6
12,120	12,381	12,654	12,866	13,027	13,157	13,273	13,603	13,832	14,101	14,319	14,528	14,743	14,937	15,343	15,587	1.3	6.9	7
5,947	6,045	6,180	6,315	6,439	6,555	6,693	6,847	7,033	7,162	7,280	7,399	7,455	7,589	7,817	7,970	2.0	7.7	8
602,935	616,000	628,920	639,554	651,532	660,033	668,024	681,581	695,336	706,981	718,051	727,440	739,409	749,930	763,868	779,749	2.1	7.2	9
8,168	8,324	8,457	8,613	8,828	8,991	9,069	9,326	9,551	9,741	9,898	9,969	10,108	10,287	10,573	10,859	2.7	8.9	10
10,094	10,272	10,530	10,672	11,004	11,265	11,437	11,734	11,881	11,982	12,134	12,343	12,530	12,711	12,918	1.6	6.5	11	
62,888	63,784	65,467	66,539	68,594	69,582	70,479	71,857	73,832	74,723	75,799	77,078	78,324	79,546	81,081	82,518	1.8	7.1	12
119,266	122,342	125,183	127,669	130,165	132,511	134,048	137,223	140,186	142,762	145,203	147,246	150,230	151,765	155,144	158,706	2.3	7.8	13
255,045	261,112	266,593	271,396	275,319	278,015	281,574	287,853	294,208	299,361	304,444	309,063	313,855	318,691	323,891	330,893	2.2	7.1	14
147,975	150,167	152,739	154,665	157,622	159,835	161,591	163,886	166,325	168,542	170,732	171,950	174,548	177,110	180,468	183,855	1.9	6.9	15
528,391	534,191	543,428	550,587	560,796	568,427	571,584	583,604	590,438	595,226	605,670	612,014	622,005	624,394	635,004	655,297	3.2	7.1	16
158,288	159,938	162,673	164,810	167,166	169,476	170,086	173,258	174,897	180,928	180,127	181,893	185,885	186,231	189,115	196,097	3.7	7.8	17
64,234	64,404	65,346	66,973	67,214	68,279	68,444	69,626	70,676	72,474	72,397	73,811	74,988	75,242	76,561	79,288	3.6	8.2	18
114,777	116,987	119,202	121,273	124,649	126,080	127,746	131,694	132,940	135,622	135,812	137,209	138,365	139,159	141,027	145,586	3.2	6.1	19
131,909	133,606	135,994	137,543	139,918	141,787	142,280	145,013	146,744	148,936	150,084	151,696	153,848	154,668	157,503	161,287	2.4	6.3	20
59,189	59,312	60,213	60,889	61,848	62,805	63,027	64,013	65,361	66,993	67,249	67,904	68,920	69,094	70,799	73,088	3.2	7.6	21
219,388	215,955	219,718	225,310	229,153	234,088	230,966	236,812	237,382	251,853	245,387	250,068	256,290	252,924	254,780	271,788	6.7	8.7	22
36,003	34,012	34,258	34,781	35,717	37,280	35,464	36,192	36,530	38,874	38,089	37,962	40,295	38,382	38,541	43,655	13.3	15.0	23
31,465	31,159	31,682	32,848	33,219	33,667	33,747	34,827	34,834	35,701	36,812	36,503	36,617	36,630	38,335	47	4.1	24	
54,933	54,853	56,049	57,462	58,240	59,498	59,050	60,299	61,161	64,122	63,235	64,184	66,108	65,542	66,661	69,731	4.6	8.6	25
61,288	61,840	63,025	63,946	65,227	66,229	67,871	67,971	69,214	70,378	70,856	71,564	72,930	73,211	74,092	76,485	3.2	6.9	26
20,252	19,211	19,611	20,038	20,669	21,616	20,333	21,035	20,764	23,712	21,406	21,840	22,669	21,935	21,326	24,988	13.7	14.2	27
7,855	7,790	7,706	8,570	8,324	7,923	7,941	8,572	7,729	9,054	7,892	9,112	9,019	8,669	8,320	9,098	9.4	2.2	28
7,592	7,289	7,388	7,664	7,758	7,935	7,644	7,916	7,746	8,880	8,209	8,598	8,765	8,566	8,612	9,547	10.9	11.1	29
618,895	626,918	640,783	650,345	666,440	676,860	685,204	698,496	713,920	723,239	732,220	739,769	753,302	762,661	778,461	794,053	2.0	7.3	30
39,518	39,922	40,721	41,236	42,315	42,957	43,363	44,268	45,290	45,532	46,171	46,425	47,078	47,457	48,562	49,294	1.5	6.2	31
23,410	22,922	23,258	23,646	25,008	24,517	24,688	25,169	25,885	26,200	26,523	26,995	26,813	27,497	27,497	3.7	3.7	32	
139,293	142,039	145,860	148,513	152,739	156,743	159,385	162,910	166,569	169,964	172,371	174,330	177,351	180,796	185,128	189,680	2.5	8.8	33
66,722	67,911	69,793	71,254	73,209	74,598	76,219	78,030	80,208	81,372	82,751	84,079	85,307	86,578	88,551	90,442	2.1	7.6	34
38,105	38,464	39,018	39,341	39,601	40,313	40,434	41,021	41,404	42,227	42,592	42,816	43,404	43,998	44,973	45,788	1.8	6.9	35
48,072	48,439	49,183	49,498	50,492	50,495	50,665	50,526	50,501	50,211	50,787	50,885	50,163	50,731	51,447	1.4	8.3	36	
23,281	22,814	23,106	23,497	24,233	24,049	25,820	24,864	25,343	25,418	25,524	25,531	26,619	26,450	26,861	27,192	1.2	6.5	37
65,967	67,145	68,535	69,757	71,103	72,417	73,531	75,340	76,718	78,294	79,484	80,487	81,978	83,289	85,235	86,964	2.0	8.0	38
32,764	33,131	33,752	34,258	34,984	35,468	36,017	36,728	37,397	37,891	38,301	38,818	39,457	40,190	40,989	41,803	2.0	7.7	39
49,091	49,896	50,856	51,596	52,651	53,524	54,023	55,260	56,249	57,137	58,170	58,878	60,437	60,998	62,278	63,654	2.2	8.1	40
74,132	75,389	77,513	78,774	80,817	82,225	83,480	84,877	87,482	88,918	90,238	91,737	93,785	95,223	97,327	99,107	1.8	8.0	41
18,540	19,187	19,034	19,287	19,569	19,578	19,504	20,088	20,100	20,208	20,359	20,504	20,707	20,769	21,185	2.0	4.1	42	
288,884	292,753	299,043	303,755	312,735	316,663	320,088	324,707	328,395	328,652	326,955	325,291	332,166	333,078	334,980	2.1	6.1	43	
35,701	36,115	37,306	38,030	39,718	40,440	41,324	42,288	42,746	44,507	44,928	45,729	46,377	47,144	47,860	48,626	1.6	6.8	44
14,547	14,820	15,164	15,385	15,926	16,209	16,322	16,609	16,776	16,939	16,984	17,123	17,417	17,536	17,902	1.7	5.4	45	
38,351	38,578	38,830	39,538	39,874	40,090	40,295	40,804	40,825	41,077	40,342	40,642	40,709	40,601	41,122	41,440	.8	2.0	46
200,236	203,239	207,743	210,753	217,216	219,924	222,147	225,011	226,129	224,752	221,936	227,957	227,916	231,458	237,011	247,0			

Table 2.—Total Personal Income for States and Regions, 1981–87, and Percent Change in Selected Shares of Personal Income for States and Regions, 1986–87

Area name	Total							Percent change <sup>2</sup>											
	Millions of dollars							Total personal income	Earnings <sup>3</sup>										
	1981 <sup>r</sup>	1982 <sup>r</sup>	1983 <sup>r</sup>	1984 <sup>r</sup>	1985 <sup>r</sup>	1986 <sup>r</sup>	1987 <sup>p</sup>		Total	Non-farm	Mining	Construction	Manufacturing	Transportation, public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Other	Government
United States <sup>1</sup>	2,514,231	2,663,432	2,834,385	3,101,163	3,320,346	3,528,589	3,733,719	5.8	6.3	6.4	.2	5.5	3.0	5.2	5.4	13.4	8.7	2.9	6.6
New England	145,282	156,305	169,145	187,447	202,056	218,846	235,430	7.6	8.8	8.8	15.8	17.8	2.3	8.3	10.8	16.3	9.7	3.8	8.8
Connecticut	42,115	45,237	48,630	53,893	57,994	62,666	67,371	7.5	8.8	8.8	12.5	17.9	2.3	9.3	10.3	16.3	9.7	10.2	10.2
Maine	10,227	10,902	11,781	12,915	13,785	14,986	16,280	8.6	10.3	9.7	17.2	25.8	3.6	5.7	11.4	14.9	11.2	-4.1	8.1
Massachusetts	67,786	73,265	79,425	88,260	95,053	103,013	110,821	7.6	8.7	8.8	16.9	20.1	1.7	8.4	10.6	16.4	9.4	4.7	8.5
New Hampshire	10,213	10,990	12,260	13,752	15,326	16,768	18,110	8.0	9.4	9.5	21.5	7.0	4.0	7.6	14.2	21.3	11.0	8.9	8.9
Rhode Island	10,000	10,643	11,458	12,505	13,265	14,195	15,140	6.7	7.5	7.6	20.8	16.6	2.0	8.2	9.3	10.9	9.9	-3.2	7.2
Vermont	4,941	5,267	5,591	6,122	6,633	7,219	7,708	6.8	7.8	8.3	17.4	10.0	3.8	5.7	12.2	14.4	10.0	9.8	6.9
Mideast	499,432	533,797	570,631	621,851	665,293	711,953	758,239	6.5	7.4	7.5	8.5	10.9	2.1	5.1	6.6	15.5	8.7	3.8	7.5
Delaware	6,733	7,198	7,714	8,391	9,053	9,788	10,457	6.8	8.7	10.0	12.8	6.9	7.3	13.1	9.9	24.1	11.0	7.2	8.4
District of Columbia	8,613	9,210	9,599	10,392	11,201	11,926	12,626	5.9	6.0	6.0	16.3	7.8	8.7	7.2	2.0	8.2	8.5	6	3.9
Maryland	50,847	54,411	58,647	64,544	70,128	75,233	80,367	6.8	7.9	8.1	17.6	13.9	.7	7.9	7.9	14.2	9.6	7.3	6.5
New Jersey	95,954	103,773	112,510	123,602	133,487	143,849	153,961	7.0	8.6	8.6	17.5	13.8	3.3	6.7	9.3	18.6	9.7	7.7	8.4
New York	208,172	223,261	239,979	263,537	280,690	301,769	321,832	6.6	7.2	7.3	18.6	8.4	.7	3.3	5.4	15.8	8.2	1.1	8.5
Pennsylvania	129,113	135,945	142,183	151,386	160,734	169,387	178,995	5.7	6.6	6.6	2.7	11.4	2.7	5.4	5.8	13.0	8.6	4.1	7.3
Great Lakes	456,410	469,844	493,266	539,149	571,103	603,336	634,175	5.1	5.3	5.3	6.7	9.5	1.3	5.6	5.6	12.9	5.1	5.1	5.8
Illinois	137,055	141,841	147,786	161,426	169,997	179,411	189,332	5.5	6.1	6.2	6.8	9.8	2.1	6.0	5.5	15.2	6.6	6.4	6.3
Indiana	55,194	56,447	59,036	65,015	68,391	72,283	76,520	5.9	6.6	6.5	6.1	7.1	4.3	7.8	6.4	11.4	8.2	6.9	7.1
Michigan	100,082	101,228	107,437	127,542	135,396	141,034	141,034	4.2	3.6	3.6	9.9	7.6	-1.8	5.7	6.5	11.1	7.6	3.4	5.2
Ohio	113,969	117,766	123,972	134,761	142,250	149,370	156,826	5.0	5.1	5.1	4.1	12.3	.9	4.3	4.6	11.5	8.4	4.3	6.1
Wisconsin	50,110	52,562	55,036	59,900	62,923	66,877	70,463	5.4	6.0	5.9	15.3	9.5	5.0	3.8	5.7	10.9	7.4	4.4	3.8
Plains	184,543	192,722	200,485	220,093	232,754	246,172	258,946	5.2	5.7	5.5	3.1	5.9	3.3	3.3	5.4	11.0	7.1	4.5	5.4
Iowa	31,553	31,569	31,790	34,763	36,163	38,114	40,218	5.5	6.9	6.2	19.1	3.1	8.0	3.2	4.5	10.1	6.4	5.8	5.8
Kansas	26,736	28,459	29,471	31,789	33,865	35,646	37,021	3.9	3.7	4.1	-1.5	5.9	.4	2.8	3.5	12.1	6.7	6.3	3.7
Minnesota	45,303	47,734	50,027	55,824	59,257	63,175	67,010	6.1	6.8	6.6	2.6	12.3	4.7	4.4	6.3	10.9	7.6	3.6	5.5
Missouri	50,982	53,723	57,091	62,525	66,554	70,503	74,179	5.2	5.5	5.3	8.0	2.6	1.1	3.9	6.5	12.0	7.7	6.2	6.4
Nebraska	16,862	17,576	17,987	19,778	20,913	21,930	22,867	4.3	4.5	4.6	6.8	2.4	3.3	.6	4.5	9.5	6.2	3	5.1
North Dakota	6,710	7,070	7,361	7,930	8,190	8,447	8,777	3.9	3.8	3.3	-9.9	4.1	4.2	1.3	1.8	10.4	4.9	-1.4	3.7
South Dakota	6,398	6,590	6,760	7,483	7,813	8,357	8,873	6.2	7.2	5.5	5.9	4.4	3.7	2.9	4.8	9.5	6.0	4.8	6.6
Southeast	505,500	527,110	577,331	624,225	681,750	727,287	772,119	6.2	6.9	7.0	-2	3.8	5.0	6.6	6.6	12.5	10.0	1.9	6.8
Alabama	33,261	34,851	37,093	40,349	43,225	45,854	48,098	4.9	5.2	5.6	-1.8	3.6	4.7	4.9	5.1	7.9	10.1	-2.5	4.0
Arkansas	19,139	19,855	21,158	23,309	24,846	26,194	27,090	3.4	3.2	4.1	-6	-5.6	5.4	6.1	3.7	3.6	7.2	2.5	2.5
Florida	110,296	118,530	130,641	143,926	157,944	170,809	183,239	7.3	8.6	9.2	10.7	3.8	5.5	6.8	9.1	13.9	11.1	1.7	10.9
Georgia	51,842	55,787	61,211	68,920	75,513	82,103	87,720	6.8	7.4	7.6	13.1	.9	5.2	8.9	6.8	13.3	11.6	2.7	7.5
Kentucky	32,788	34,281	35,840	38,732	40,343	42,260	44,541	5.4	6.2	6.6	2.6	11.6	5.5	6.8	5.9	8.1	8.4	2.3	6.1
Louisiana	42,211	44,863	46,456	48,798	50,544	50,376	50,681	.6	-4	-8	-9.0	-10.0	-4	-8	-2.4	4.1	3.2	-13.0	.8
Mississippi	19,459	20,551	21,431	23,159	24,242	25,454	26,781	5.2	5.7	4.5	-8.4	-2.5	3.8	8.9	3.4	11.4	6.2	.7	4.4
North Carolina	52,891	55,867	60,722	67,851	73,098	78,745	84,366	7.1	7.9	8.2	15.9	5.1	6.8	8.9	8.4	15.2	10.6	6.0	7.0
South Carolina	26,676	28,048	30,329	33,476	35,797	38,102	40,610	6.6	7.2	6.5	16.3	3	5.7	6.9	7.2	9.0	10.5	2.5	5.6
Tennessee	40,872	42,969	45,745	50,360	53,864	57,609	61,842	7.3	8.4	7.9	8.3	9.0	4.7	8.8	7.7	13.4	9.3	6.3	8.6
Virginia	59,343	63,837	69,310	76,452	82,850	89,593	96,361	7.6	9.1	9.0	5.4	13.1	5.0	6.2	7.5	18.6	13.0	4.9	6.9
West Virginia	16,741	17,671	17,895	18,902	19,485	20,188	20,791	3.0	1.9	2.2	-4.5	7.0	-1	1.5	2.4	7.8	5.2	8.0	4.0
Southwest	237,800	259,155	272,359	296,109	318,548	327,324	337,065	3.0	2.3	2.0	-6.3	-11.2	1.6	4.2	-5	5.5	6.6	3.1	5.3
Arizona	28,339	29,756	32,750	36,800	40,941	44,728	47,502	6.2	6.3	6.0	4.2	-10.5	5.5	9.9	6.5	13.0	8.8	-1.6	7.9
New Mexico	12,048	13,012	13,796	14,979	16,266	16,908	17,510	3.6	3.2	3.0	-6.6	-8.4	3.2	1.4	3.0	6.1	5.4	4.6	5.7
Oklahoma	33,189	36,713	36,925	38,824	40,266	40,722	40,968	.6	-8	-3	-9.6	-6.8	-2.3	1.4	-9	2.8	4.9	2.1	.1
Texas	164,224	179,673	188,888	205,505	221,075	224,966	231,085	2.7	2.0	1.5	-6.2	-12.1	1.5	4.0	-1.8	4.4	6.5	-4.8	5.9
Rocky Mountain	71,425	76,356	80,934	91,731	95,458	99,153	102,504	3.9	3.7	3.1	-1.9	-10.2	4.9	3.8	2.1	7.0	5.8	3.7	4.8
Colorado	35,406	38,822	41,542	44,947	47,556	49,756	52,287	5.1	5.3	4.7	-6	-3.0	7.1	6.0	3.7	5.7	5.0	1.4	6.7
Idaho	8,946	9,079	9,778	10,357	10,926	11,245	11,799	4.9	5.5	3.5	-11.6	-6.2	6.2	5.5	3.0	9.5	4.6	12.1	5.0
Montana	7,858	8,118	8,504	9,922	9,114	9,681	9,917	2.4</											

Table 3.—Per Capita Personal Income for States and Regions, 1981–87

Area name	Based on State estimates of population <sup>1</sup>									Based on the sum of county estimates of population <sup>2</sup>									Rank in U.S. 1986		
	Dollars									Dollars											
	1981 <sup>r</sup>	1982 <sup>r</sup>	1983 <sup>r</sup>	1984 <sup>r</sup>	1985 <sup>r</sup>	1986 <sup>r</sup>	1987 <sup>p</sup>	1986	1987	1981 <sup>r</sup>	1982 <sup>r</sup>	1983 <sup>r</sup>	1984 <sup>r</sup>	1985 <sup>r</sup>	1986 <sup>r</sup>	1981 <sup>r</sup>	1982 <sup>r</sup>	1983 <sup>r</sup>			
United States.....	10,949	11,480	12,098	13,114	13,908	14,636	15,340	.....	.....	10,949	11,482	12,100	13,116	13,910	14,639	.....	.....	.....	.....		
New England.....	11,700	12,569	13,539	14,904	15,956	17,175	18,329	.....	.....	11,700	12,572	13,544	14,910	15,963	17,182	.....	.....	.....	.....		
Connecticut.....	13,483	14,460	15,474	17,073	18,264	19,625	20,980	1	1	13,485	14,466	15,486	17,091	18,287	19,652	1	1	1	1		
Maine.....	9,014	9,568	10,270	11,160	11,884	12,736	13,720	33	33	9,011	9,565	10,265	11,154	11,827	12,768	34	34	34	34		
Massachusetts.....	11,780	12,751	13,780	15,230	16,324	17,657	18,926	4	3	11,782	12,755	13,785	15,238	16,334	17,664	4	4	4	4		
New Hampshire.....	10,398	11,591	12,787	14,060	15,349	16,321	17,133	8	8	10,398	11,591	12,786	14,057	15,342	16,328	8	8	8	8		
Rhode Island.....	10,501	11,168	11,999	13,025	13,721	14,564	15,355	19	17	10,502	11,169	11,999	13,024	13,720	14,560	19	19	19	19		
Vermont.....	9,578	10,122	10,639	11,551	12,398	13,342	14,061	30	28	9,578	10,123	10,638	11,549	12,394	13,346	31	31	31	31		
Mideast.....	11,799	12,593	13,407	14,556	15,533	16,544	17,538	.....	.....	11,799	12,596	13,411	14,563	15,541	16,556	.....	.....	.....	.....		
Delaware.....	11,286	12,000	12,719	13,662	14,544	15,457	16,238	11	11	11,286	12,003	12,722	13,666	14,553	15,469	11	11	11	11		
District of Columbia.....	13,609	14,696	15,371	16,660	17,974	19,071	20,303	.....	.....	13,608	14,695	15,369	16,657	17,970	19,049	.....	.....	.....	.....		
Maryland.....	11,948	12,736	13,642	14,847	15,970	16,863	17,722	6	6	11,947	12,735	13,641	14,843	15,964	16,856	7	7	7	7		
New Jersey.....	12,955	13,966	15,065	16,442	17,637	18,866	20,067	2	2	12,956	13,971	15,074	16,455	17,655	18,879	2	2	2	2		
New York.....	11,856	12,703	13,581	14,867	15,803	16,958	18,055	5	4	11,857	12,707	13,589	14,878	15,817	16,980	5	5	5	5		
Pennsylvania.....	10,389	11,440	11,953	12,730	13,548	14,242	14,997	21	20	10,389	11,441	11,954	12,731	13,548	14,247	21	21	21	21		
Great Lakes.....	10,942	11,292	11,883	12,966	13,715	14,461	15,134	.....	.....	10,942	11,293	11,882	12,964	13,712	14,455	.....	.....	.....	.....		
Illinois.....	11,944	12,355	12,858	14,007	14,734	15,533	16,347	9	9	11,944	12,356	12,859	14,007	14,734	15,530	9	9	9	9		
Indiana.....	10,055	10,293	10,783	11,839	12,436	13,136	13,834	32	31	10,054	10,292	10,781	11,837	12,434	13,134	32	32	32	32		
Michigan.....	10,866	11,101	11,866	13,030	14,039	14,816	15,380	16	18	10,866	11,101	11,864	13,027	14,034	14,806	16	16	16	16		
Ohio.....	10,552	10,927	11,542	12,545	13,239	13,898	14,543	24	23	10,552	10,928	11,541	12,543	13,236	14,892	24	24	24	24		
Wisconsin.....	10,581	11,073	11,590	12,576	13,177	13,983	14,659	22	22	10,582	11,074	11,590	12,575	13,175	14,897	22	22	22	22		
Plains.....	10,670	11,108	11,510	12,570	13,262	14,011	14,684	.....	.....	10,670	11,107	11,508	12,567	13,258	14,006	.....	.....	.....	.....		
Iowa.....	10,812	10,857	10,945	11,372	12,554	13,375	14,191	29	26	10,812	10,857	10,943	11,969	12,550	13,370	29	29	29	29		
Kansas.....	11,190	11,811	12,137	13,022	13,830	14,494	14,952	20	21	11,188	11,809	12,133	13,017	13,823	14,486	20	20	20	20		
Minnesota.....	11,016	11,549	12,069	13,409	14,142	14,995	15,783	14	14	11,016	11,549	12,068	13,407	14,137	14,992	14	14	14	14		
Missouri.....	10,822	10,868	11,500	12,494	13,221	13,923	14,537	23	24	10,822	10,868	11,498	12,491	13,217	14,916	23	23	23	23		
Nebraska.....	10,652	11,055	11,266	12,323	13,034	13,727	14,341	25	25	10,652	11,055	11,265	12,321	13,031	13,726	25	25	25	25		
North Dakota.....	10,149	10,520	10,804	11,549	11,961	12,449	13,061	35	35	10,150	10,520	10,802	11,547	11,958	12,437	36	36	36	36		
South Dakota.....	9,249	9,489	9,673	10,613	11,035	11,811	12,511	40	39	9,249	9,489	9,672	10,612	11,032	11,804	40	40	40	40		
Southeast.....	9,414	9,876	10,484	11,367	12,056	12,695	13,307	.....	.....	9,414	9,878	10,485	11,368	12,056	12,698	.....	.....	.....	.....		
Alabama.....	8,468	8,837	9,361	10,111	10,752	11,323	11,780	43	44	8,467	8,836	9,358	10,107	10,747	11,315	43	43	43	43		
Arkansas.....	8,620	8,604	9,098	9,935	10,532	11,050	11,343	47	47	8,620	8,605	9,098	9,923	10,530	11,042	47	47	47	47		
Florida.....	10,813	11,315	12,143	13,021	13,888	14,607	15,241	18	19	10,820	11,318	12,149	13,029	13,888	14,630	18	18	18	18		
Georgia.....	9,307	9,867	10,673	11,794	12,642	13,459	14,098	28	27	9,308	9,868	10,672	11,793	12,639	13,451	28	28	28	28		
Kentucky.....	8,907	9,277	9,513	10,403	10,821	11,342	11,950	42	41	8,906	9,280	9,517	10,411	10,820	11,335	42	42	42	42		
Louisiana.....	9,817	10,234	10,460	10,937	11,270	11,197	11,362	46	46	9,816	10,234	10,458	10,935	11,267	11,191	46	46	46	46		
Mississippi.....	7,659	8,006	8,297	8,912	9,277	9,699	10,204	50	50	7,658	8,005	8,296	8,910	9,273	9,697	50	50	50	50		
North Carolina.....	8,877	9,281	9,987	10,999	11,676	12,438	13,155	36	34	8,879	9,283	9,988	10,999	11,676	12,438	35	35	35	35		
South Carolina.....	8,374	8,710	9,323	10,157	10,738	11,268	11,858	44	42	8,377	8,713	9,325	10,153	10,739	11,287	44	44	44	44		
Tennessee.....	8,811	9,208	9,753	10,652	11,302	12,002	12,738	38	37	8,811	9,208	9,752	10,649	11,298	11,995	38	38	38	38		
Virginia.....	10,905	11,631	12,469	13,567	14,532	15,461	16,322	10	10	10,902	11,629	12,468	13,566	14,530	16,482	10	10	10	10		
West Virginia.....	8,538	9,007	9,115	9,685	10,063	10,531	10,959	49	49	8,539	9,010	9,688	10,058	11,052	12,744	49	49	49	49		
Southwest.....	10,301	11,339	11,592	12,401	13,100	13,224	13,512	.....	.....	10,803	11,340	11,599	12,410	13,112	13,227	.....	.....	.....	.....		
Arizona.....	10,091	10,316	11,072	12,077	12,951	13,640	14,030	26	29	10,100	10,332	11,095	12,101	12,983	13,638	26	26	26	26		
New Mexico.....	9,023	9,506	9,840	10,499	11,215	11,435	11,673	41	45	9,020	9,503	9,837	10,495	11,208	11,428	41	41	41	41		
Oklahoma.....	10,688	11,390	11,183	11,692	12,141	12,318	12,520	37	38	10,677	11,356	11,147	11,720	12,179	12,320	37	37	37	37		
Texas.....	11,120	11,684	11,941	12,777	13,489	13,840	13,764	27	32	11,124	11,688	11,944	12,781	13,484	13,846	27	27	27	27		
Rocky Mountain.....	10,576	11,028	11,457	12,162	12,712	13,154	13,631	.....	.....	10,576	11,028	11,456	12,159	12,708	13,147	.....	.....	.....	.....		
Colorado.....	11,																				

Table 4.—Total and Per Capita Disposable Personal Income for States and Regions, 1981–87

Area name	Total							Percent change 1986-87	Per capita <sup>1</sup>							Rank in U.S. 1981 1987		
	Millions of dollars								1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p			
	1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p		1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p			
United States.....	2,121,830	2,255,123	2,424,880	2,662,051	2,835,626	3,017,588	3,170,278	5.1	9,240	9,721	10,350	11,257	11,878	12,516	13,025	.....		
New England.....	122,325	132,071	143,807	160,274	171,258	185,550	198,484	7.0	9,851	10,621	11,511	12,743	13,524	14,562	15,453	.....		
Connecticut.....	35,274	37,771	41,375	46,002	46,721	52,739	56,228	6.6	11,293	12,073	13,166	14,573	15,343	16,516	17,510	2 1		
Maine.....	8,883	9,366	10,175	11,294	12,047	13,094	14,100	7.7	7,329	8,220	8,870	9,759	10,342	11,172	11,888	40 29		
Massachusetts.....	56,486	61,590	66,632	74,449	79,782	86,397	92,646	7.2	9,816	10,719	11,560	12,847	13,702	14,809	15,822	10 3		
New Hampshire.....	8,871	9,633	10,722	12,221	13,439	14,703	15,824	7.6	9,466	10,160	11,183	12,495	13,460	14,311	14,970	14 6		
Rhode Island.....	8,560	9,145	10,061	11,008	11,606	12,442	13,150	5.7	8,989	9,596	10,536	11,466	12,005	12,765	13,337	25 14		
Vermont.....	4,251	4,566	4,842	5,300	5,663	6,174	6,596	5.9	8,241	8,777	9,213	10,000	10,585	11,412	11,92	3 28		
Mideast.....	416,828	444,958	481,873	526,033	559,539	599,360	632,983	5.6	9,847	10,497	11,321	12,313	13,064	13,928	14,641	.....		
Delaware.....	5,835	5,836	6,375	6,920	7,452	8,048	8,465	5.2	9,026	9,729	10,511	11,267	11,971	12,709	13,146	24 17		
District of Columbia.....	7,094	7,424	7,888	8,574	9,231	9,861	10,317	4.6	11,208	11,846	12,551	13,745	14,814	15,770	16,591	.....		
Maryland.....	41,619	44,116	49,001	54,276	58,942	63,217	66,949	5.9	9,780	10,467	11,399	12,485	13,422	14,170	14,768	12 7		
New Jersey.....	81,313	88,004	96,464	105,953	113,780	123,041	130,622	6.2	10,979	11,844	12,916	14,094	15,034	16,187	17,025	3 2		
New York.....	171,818	182,964	199,888	219,711	231,534	248,953	262,844	5.6	9,785	10,410	11,312	12,394	13,085	13,990	14,746	1 8		
Pennsylvania.....	109,599	116,014	122,309	130,600	138,600	146,239	153,786	5.2	9,226	9,763	10,282	10,982	11,682	12,296	12,884	8 20		
Great Lakes.....	384,583	399,749	422,335	463,757	489,850	518,328	541,827	4.5	9,220	9,608	10,174	11,153	11,763	12,422	12,930	.....		
Illinois.....	115,538	121,127	127,327	139,042	146,381	154,663	162,140	4.8	10,069	10,551	11,078	12,064	12,687	13,390	13,999	7 9		
Indiana.....	46,633	47,945	50,372	56,201	58,770	62,287	65,465	5.1	8,496	8,743	9,201	10,284	10,686	11,320	11,835	34 30		
Michigan.....	84,328	86,010	91,452	100,991	108,324	115,196	119,698	3.9	9,155	9,433	10,101	11,147	11,915	12,605	13,011	19 18		
Ohio.....	96,270	100,339	105,988	116,194	122,125	128,408	133,687	4.1	8,913	9,310	9,868	10,817	11,366	11,948	12,397	26 25		
Wisconsin.....	41,819	44,328	47,196	51,329	54,581	57,776	60,837	5.3	8,830	9,338	9,939	10,776	11,378	12,080	12,657	21 21		
Plains.....	155,605	161,926	170,558	189,248	199,893	212,303	221,843	4.5	8,997	9,333	9,793	10,809	11,390	12,084	12,580	.....		
Iowa.....	26,511	26,587	27,021	30,083	31,256	33,002	34,549	4.0	9,084	9,144	9,303	10,360	10,851	11,581	12,190	23 26		
Kansas.....	22,289	23,720	24,896	27,139	28,638	30,236	31,148	3.0	9,329	9,844	10,253	11,117	11,693	12,294	12,580	15 22		
Minnesota.....	37,641	39,667	41,718	47,079	49,809	53,650	56,560	5.4	9,153	9,597	10,065	11,309	11,887	12,734	13,321	20 15		
Missouri.....	43,375	45,266	49,025	53,832	57,502	61,081	63,862	4.6	8,782	9,157	9,875	10,757	11,423	12,063	12,515	30 23		
Nebraska.....	14,451	14,726	15,457	17,291	18,324	19,219	19,939	3.7	9,129	9,626	10,774	11,421	12,030	12,505	12,505	22 24		
North Dakota.....	5,633	6,140	6,419	7,103	7,265	7,517	7,755	3.2	8,520	9,187	9,422	10,345	10,610	11,078	11,540	32 34		
South Dakota.....	5,705	5,820	6,052	6,721	7,104	7,597	8,032	5.7	8,247	8,379	8,659	9,581	10,032	10,738	11,325	36 35		
Southeast.....	430,417	458,087	496,484	546,950	583,589	623,445	657,467	5.5	8,015	8,423	9,016	9,803	10,320	10,883	11,331	.....		
Alabama.....	28,229	29,767	31,738	34,844	36,796	38,984	40,534	4.0	7,187	7,548	8,009	8,731	9,153	9,626	9,927	48 45		
Arkansas.....	16,588	17,018	18,412	20,127	21,651	22,892	23,508	2.7	7,211	7,375	7,917	8,578	9,657	9,843	9,843	47 46		
Florida.....	94,418	100,350	112,902	124,279	135,177	146,501	156,143	6.6	9,262	9,580	10,494	11,244	11,886	12,524	12,987	17 19		
Georgia.....	43,723	47,181	51,521	58,010	63,146	68,807	73,088	6.2	7,850	8,345	8,988	9,927	10,571	11,280	11,747	39 33		
Kentucky.....	28,195	29,521	30,690	33,684	34,796	36,544	38,263	4.7	7,671	7,989	8,261	9,047	9,334	9,808	10,266	42 41		
Louisiana.....	35,630	38,316	40,264	42,610	44,005	43,875	43,842	-1	8,286	8,741	9,066	9,550	9,812	9,752	9,829	35 47		
Mississippi.....	16,527	17,683	18,488	20,012	21,013	22,061	23,061	4.5	6,495	6,889	7,157	7,701	8,041	8,406	8,787	50 50		
North Carolina.....	44,905	47,975	52,383	58,693	62,015	66,840	71,112	6.4	7,536	7,970	8,607	9,514	9,906	10,557	11,088	44 36		
South Carolina.....	22,684	24,016	26,043	28,995	30,760	32,747	34,702	6.0	7,120	7,458	8,005	8,797	9,227	9,685	10,138	42 37		
Tennessee.....	35,492	37,373	39,824	44,225	46,983	50,392	53,766	6.7	7,651	8,009	8,491	9,356	9,847	10,498	11,074	43 37		
Virginia.....	49,720	53,743	58,857	65,146	70,271	76,128	81,315	6.8	9,187	9,792	10,589	11,561	12,326	13,138	13,774	21 10		
West Virginia.....	14,307	15,144	16,316	17,026	17,673	18,182	19,719	2.6	7,296	7,719	7,851	8,360	8,794	9,219	9,557	46 49		
Southwest.....	199,513	218,577	234,155	255,256	273,500	281,255	287,206	2.1	9,062	9,564	9,966	10,690	11,247	11,363	11,513	.....		
Arizona.....	24,262	25,511	28,364	32,179	35,573	39,004	41,200	5.6	8,639	8,844	9,589	10,560	11,253	11,895	12,169	31 27		
New Mexico.....	10,375	11,132	12,066	12,783	14,099	14,650	14,923	1.9	7,769	8,133	8,606	8,960	9,721	9,908	9,949	41 44		
Oklahoma.....	27,546	30,143	31,406	32,967	32,726	33,129	32,986	-4	8,871	9,351	9,489	9,923	9,868	10,021	10,081	27 43		
Texas.....	137,331	151,792	162,319	177,326	191,101	194,472	198,097	1.9	9,299	9,871	10,261	11,025	11,660	11,653	11,800	16 32		
Rocky Mountain.....	60,430	64,517	69,554	75,101	78,840	81,957	84,559	3.2	8,948	9,318	9,846	10,507	10,926	11,294	11,625	.....		
Colorado.....	29,695	32,448	35,575	38,762	40,625	42,432	44,304	4.4	9,952	10,564	11,300	12,155	12,564	12,991	13,441	8 12		
Idaho.....	7,691	7,840	8,652	9,154	9,603	9,882	10,340	4.6	7,974	8,017	8,755	9,159	9,568	9,863	10,359	38 40		
Montana.....	6,777	7,048	7,288	7,705	8,004	8,500	8,653	1.8	8,516	8,755	8,873	9,358	9,699	10,401	10,692	33 38		
Utah.....	11,262	12,022	13,058	14,218	15,105	15,768	16,148	2.4	7,									

# 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).

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Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in <b>BUSINESS STATISTICS: 1986</b>	Units	Annual		1987												1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>GENERAL BUSINESS INDICATORS</b>																		
<b>PERSONAL INCOME BY SOURCE</b>																		
Seasonally adjusted, at annual rates:																		
Total personal income.....	bil. \$ ..	3,534.3	3,746.5	3,671.2	3,683.4	3,701.9	3,708.5	3,715.3	3,739.2	3,760.6	3,783.2	3,854.4	3,839.8	3,869.1	'3,872.5	'3,894.7	3,924.3	
Wage and salary disbursements, total.....	do .....	2,089.1	2,212.7	2,166.4	2,173.1	2,181.5	2,193.7	2,198.9	2,209.7	2,228.8	2,239.8	2,257.6	2,271.9	2,281.1	'2,293.3	'2,306.9	2,319.2	
Commodity-producing industries, total.....	do .....	623.8	641.1	632.7	634.2	632.8	635.9	636.5	636.7	642.3	646.2	651.5	655.7	656.9	'657.5	'659.8	667.4	
Manufacturing.....	do .....	470.5	484.0	477.7	478.0	477.1	479.8	480.0	480.3	485.3	489.8	492.7	495.2	496.1	'497.6	'497.6	504.3	
Distributive industries.....	do .....	497.1	522.9	513.7	513.4	518.1	519.4	519.2	522.9	526.6	529.3	532.8	535.3	536.9	'540.4	'543.6	544.8	
Service industries.....	do .....	573.9	627.3	607.7	611.4	614.6	620.3	623.1	627.9	635.6	638.1	645.0	650.0	652.9	'658.4	'664.4	665.9	
Govt. and govt. enterprises.....	do .....	394.8	421.4	412.3	414.1	416.0	418.1	420.1	422.2	424.2	426.3	428.4	430.9	434.4	'437.0	'439.1	441.1	
Other labor income.....	do .....	201.1	210.2	206.7	207.4	210.0	209.0	209.6	210.4	211.1	212.7	213.5	214.4	'214.9	'215.4	215.9		
Proprietors' income: #																		
Farm.....	do .....	37.2	48.4	56.2	55.6	58.0	41.6	42.3	43.9	37.7	40.2	77.5	87.5	47.9	'88.9	'42.4	51.0	
Nonfarm.....	do .....	252.6	279.0	270.2	273.2	274.1	275.8	277.7	279.9	282.8	283.6	286.0	289.1	290.2	'290.0	'292.0	295.8	
Rental income of persons with capital consumption adjustment.....	bil. \$ ..	16.7	19.3	20.0	20.4	19.7	18.9	18.2	17.8	17.3	16.7	19.1	21.3	22.5	'21.9	'21.1	20.3	
Dividends.....	do .....	81.2	87.5	84.4	85.0	85.3	86.5	87.0	87.9	88.8	89.4	90.0	90.5	91.0	91.4	92.2	92.6	
Personal interest income.....	do .....	497.6	516.2	499.8	501.6	503.8	508.9	514.0	519.8	526.2	530.0	538.9	544.5	'545.8	'545.9	546.3	546.3	
Transfer payments.....	do .....	518.3	543.1	534.5	534.3	537.3	545.4	541.7	545.2	545.2	547.0	551.4	550.8	551.8	'565.3	'568.3	573.6	
Less: Personal contributions for social insurance.....	do .....	159.6	169.9	167.0	167.3	167.7	168.6	168.9	169.6	170.8	171.6	172.8	173.7	174.3	'188.4	'189.5	190.4	
Total nonfarm income.....	do .....	3,475.2	3,676.6	3,594.1	3,607.2	3,622.8	3,645.1	3,651.2	3,673.5	3,701.1	3,721.1	3,755.0	3,780.4	3,799.2	'3,811.7	'3,830.3	3,851.2	
<b>DISPOSITION OF PERSONAL INCOME</b>																		
Seasonally adjusted, at annual rates:																		
Total personal income.....	bil. \$ ..	3,534.3	3,746.5	3,671.2	3,683.4	3,701.9	3,708.5	3,715.3	3,739.2	3,760.6	3,783.2	3,854.4	3,839.8	3,869.1	'3,872.5	'3,894.7	3,924.3	
Less: Personal tax and nontax payments.....	do .....	512.2	564.8	533.1	537.3	638.6	542.0	558.3	560.9	566.1	570.1	574.5	579.0	584.8	'575.6	'572.3	583.1	
Equals: Disposable personal income.....	do .....	3,022.1	3,181.7	3,188.2	3,146.1	3,068.4	3,166.5	3,157.0	3,178.2	3,194.6	3,213.0	3,279.9	3,260.8	3,284.3	'3,296.9	'3,322.5	3,341.2	
Less: Personal outlays.....	do .....	2,891.5	3,062.7	3,009.6	3,009.7	3,025.1	3,031.2	3,059.9	3,078.1	3,123.9	3,117.3	3,102.9	3,118.9	3,139.3	'3,143.2	'3,168.0	3,190.1	
Personal consumption expenditures.....	do .....	2,799.8	2,967.8	2,915.8	2,916.0	2,931.5	2,937.7	2,961.8	2,983.6	3,028.8	3,021.5	3,006.5	3,019.2	3,042.0	'3,045.3	'3,069.5	3,091.3	
Durable goods.....	do .....	402.4	413.7	405.7	400.7	408.6	402.7	415.8	424.6	447.8	438.0	403.4	412.0	423.5	'419.7	'428.9	428.6	
Nondurable goods.....	do .....	939.4	982.9	980.3	975.1	977.1	983.6	985.6	984.6	990.1	984.4	985.4	993.7	1,000.1	'992.0	'990.0	998.8	
Services.....	do .....	1,458.0	1,571.2	1,529.8	1,540.1	1,545.8	1,551.5	1,560.4	1,574.4	1,591.0	1,599.0	1,617.7	1,613.5	1,618.4	'1,633.6	'1,650.6	1,662.8	
Interest paid by consumers to business.....	do .....	89.9	93.5	92.0	92.0	92.4	92.4	92.9	93.3	93.9	94.6	95.0	95.8	95.9	'96.6	'97.0	97.4	
Personal transfer payments to foreigners (net).....	do .....	1.7	1.4	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	'1.4	'1.4	1.4	
Equals: personal saving.....	do .....	130.6	119.0	128.6	136.4	43.2	135.2	101.1	100.1	70.6	95.7	177.0	145.0	145.0	'153.7	'154.5	151.1	
Personal saving as percentage of disposable personal income §.....	percent	4.3	3.7	4.4	3.3	3.4	3.0	3.5	2.9	2.8	3.5	4.3	4.8	'4.5	'4.6	4.6		
Disposable personal income in constant (1982) dollars.....	bil. \$ ..	2,645.1	2,677.2	2,627.2	2,680.3	2,603.1	2,674.9	2,658.2	2,673.1	2,675.4	2,675.8	2,721.4	2,699.9	2,720.1	'2,721.2	'2,741.7		
Personal consumption expenditures in constant (1982) dollars.....	do .....	2,450.5	2,497.2	2,496.9	2,484.3	2,487.0	2,481.7	2,499.9	2,509.4	2,536.6	2,516.2	2,494.6	2,499.9	2,519.5	'2,513.5	'2,532.9		
Durable goods.....	do .....	388.5	388.2	384.5	379.2	385.8	380.2	390.2	397.5	416.4	406.7	396.2	388.6	393.7	'390.5	'395.9		
Non durable goods.....	do .....	877.2	878.1	894.1	882.5	878.8	880.0	873.8	878.2	879.1	870.0	868.2	874.0	881.4	'873.0	'874.2		
Services.....	do .....	1,189.8	1,230.9	1,218.2	1,222.6	1,222.5	1,221.5	1,225.8	1,233.7	1,241.2	1,239.6	1,250.2	1,242.3	1,244.4	'1,250.1	'1,259.2		
Implicit price deflator for personal consumption expenditures.....	index, 1982=100..	114.8	118.8	116.8	117.4	117.9	118.4	118.8	118.9	119.4	120.1	120.5	120.8	120.7	'121.2	121.2		
<b>INDUSTRIAL PRODUCTION ◊</b>																		
<i>Federal Reserve Board Index of Quantity Output</i>																		
Not Seasonally Adjusted																		
Total index.....	1977=100 ..	125.1	129.8	126.8	127.1	126.3	127.0	131.9	128.7	134.3	135.3	135.2	132.7	129.9	'130.9	'134.2	'134.1	
By industry groupings:																		
Mining and utilities.....	do .....	103.5	104.3	106.3	100.8	98.4	98.6	103.0	103.9	109.2	106.2	104.7	106.9	'108.1	'111.8	'111.7	'106.4	
Manufacturing.....	do .....	129.1	'134.7	130.7	132.0	131.5	132.4	137.4	138.5	139.2	140.9	141.0	137.5	'134.0	'134.5	'138.3	'139.1	
Non durable manufactures.....	do .....	130.1	'136.8	130.5	131.6	132.5	134.1	140.5	138.7	145.0	145.8	148.0	138.1	'135.0	'134.6	'138.9	'139.2	
Durable manufactures.....	do .....	128.4	133.1	130.8	132.3	131.1	135.3	129.8	135.0	137.3	139.6	136.3	'133.3	'134.4	'137.8	'139.0		
Seasonally Adjusted																		
Total index.....	do .....	125.1	129.8	127.1	127.4	127.4	128.2	129.1	130.6	131.2	131.0	132.5	133.2	'133.9	'134.4	'134.4	'134.6	
By market groupings:																		
Products, total.....	do .....	133.3	188.3	186.0	136.4	135.8	136.9	137.8	139.5	139.9	139.4	140.9	141.0	'141.3	'142.8	'143.2	'143.3	
Final products.....	do .....	132.4	186.8	184.8	135.1	134.5	135.5	136.2	137.9	138.4	137.8	139.3	139.2	'139.8	'141.1	'141.6	'141.9	
Consumer goods.....	do .....	124.0	'127.8	126.4	126.7	125.5	127.3	127.2	128.9	129.4	127.7	129.0	129.4	'129.8	'131.4	'131.9		

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		1987												1988			
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
GENERAL BUSINESS INDICATORS—Continued																			
<b>INDUSTRIAL PRODUCTION ◊—Continued</b>																			
<b>Seasonally Adjusted—Continued</b>																			
By market groupings—Continued																			
Final products—Continued																			
Durable consumer goods.....	1977=100..	115.6	120.2	121.0	119.8	116.7	120.1	117.4	120.4	121.2	118.6	124.3	123.9	120.3	*121.5	*121.2	*122.0		
Automotive products.....	do	115.3	118.5	122.6	121.6	115.0	118.8	114.9	117.5	118.0	114.2	124.3	121.3	115.4	*118.8	*117.9	*121.0		
Autos and trucks, consumer.....	do	112.9	115.1	123.7	122.6	110.9	114.6	107.9	112.3	112.4	107.2	122.2	118.7	110.2	112.8	*111.3	*116.4		
Autos, consumer.....	do	97.3	90.7	104.1	101.7	90.8	92.7	87.4	86.4	76.8	79.1	94.7	91.9	83.7	77.5	*73.5	*86.3		
Trucks, consumer.....	do	141.8	160.5	160.0	161.3	148.0	155.3	146.0	160.4	178.4	159.4	173.2	168.5	159.5	178.3	*171.6			
Home goods.....	do	115.8	121.6	119.8	118.4	118.1	121.2	119.3	122.5	123.6	121.9	124.3	125.8	123.9	123.7	*123.7	*123.8		
Nondurable consumer goods.....	do	127.1	*130.6	128.4	129.3	128.7	130.0	130.9	132.1	132.5	131.0	130.8	131.5	*133.3	*135.0	*135.8	*135.5		
Consumer staples.....	do	138.9	*137.4	134.9	136.3	135.5	136.7	137.6	138.9	139.2	137.8	137.4	138.3	*140.7	*142.6	*143.6	*143.3		
Consumer foods and tobacco.....	do	132.7	*136.3	134.5	135.6	134.5	136.0	136.0	137.2	137.4	137.0	137.5	137.3	*139.2	*140.5	*141.2			
Nonfood staples.....	do	135.2	138.5	135.4	137.0	136.5	137.5	139.2	140.6	141.2	138.6	137.2	139.4	*142.2	*144.8	*146.1	*146.7		
Equipment.....	do	143.6	*148.9	146.0	146.2	146.4	146.3	148.1	149.7	150.2	151.2	153.0	152.2	*153.1	*154.0	*154.4	*155.2		
Business and defense equipment.....	do	148.1	153.6	151.3	151.4	151.7	151.4	153.2	154.4	154.5	155.2	157.2	156.6	*157.8	*158.9	*159.3	*160.0		
Business equipment.....	do	139.4	144.5	141.7	141.9	142.1	141.7	144.2	145.6	145.6	146.3	148.7	148.3	*149.8	*150.9	*151.4	*152.4		
Construction, mining, and farm equipment.....	do	55.7	62.2	54.7	57.2	57.4	60.8	63.0	65.0	66.4	66.1	66.5	66.3	*67.4	*67.3	*65.8	*66.3		
Manufacturing.....	do	114.0	117.9	115.3	113.9	114.4	114.4	117.2	120.4	120.9	122.0	120.5	120.6	122.2	*125.3	*125.5			
Power.....	do	82.4	82.6	82.6	83.2	81.6	82.8	84.0	81.8	82.8	81.1	83.0	88.1	84.2	*86.2	*87.0			
Commercial.....	do	217.4	226.5	220.7	222.6	224.8	221.2	226.7	227.9	227.7	229.1	232.4	231.2	*235.5	*237.3	*238.4	*239.5		
Transit.....	do	108.8	108.4	113.6	110.6	106.7	108.9	105.4	104.7	105.1	112.5	111.2	109.1	*106.5	*107.7		*109.0		
Defense and space equipment.....	do	182.0	188.9	188.9	188.6	189.2	189.3	188.6	188.7	189.1	189.8	190.3	188.7	*188.9	*190.1	*190.3	*189.8		
Intermediate products.....	do	136.2	143.4	139.9	140.9	140.3	141.8	143.3	145.0	145.3	144.9	146.1	147.3	*146.5	*148.5	*148.8	*148.3		
Construction supplies.....	do	126.4	131.5	130.0	130.4	128.2	129.1	131.5	133.1	132.5	132.3	133.3	134.2	*133.8	*136.9	*136.2	*134.4		
Business supplies.....	do	144.6	153.5	148.4	149.9	150.6	152.6	158.4	155.2	156.3	155.6	157.1	158.4	*157.4	*158.4	*159.6			
Materials.....	do	113.8	118.2	114.9	115.2	115.9	116.3	117.2	118.5	119.4	119.7	121.2	122.5	*123.7	*123.0	*122.4	*122.6		
Durable goods materials.....	do	120.0	125.0	121.3	122.3	122.2	122.6	124.0	125.0	125.5	126.4	128.7	130.2	*132.0	*131.6	*130.9			
Nondurable goods materials.....	do	117.5	*125.9	120.8	121.5	124.1	128.9	124.1	127.6	128.3	128.6	128.2	129.6	*132.5	*130.4	*130.0	*130.3		
Energy materials.....	do	99.7	99.8	96.6	97.2	97.8	98.7	99.4	99.0	100.9	100.2	101.8	102.8	*101.7	*101.5	*100.7	*100.5		
By industry groupings:																			
Mining and utilities.....	do	103.5	104.3	102.4	101.9	101.4	103.1	103.0	103.7	105.4	105.4	106.8	107.9	*107.3	*107.5	*107.1	*106.9		
Mining.....	do	100.4	100.7	98.8	98.3	98.6	99.2	99.2	100.9	101.9	101.9	103.6	104.6	*104.6	*102.9	*101.9	*102.3		
Metal mining.....	do	74.2	77.6	73.6	71.2	65.7	71.7	70.7	71.4	73.8	86.5	85.6	90.4	*96.5	91.5				
Coal.....	do	127.7	131.8	131.7	122.3	121.9	127.2	128.8	127.9	130.5	133.3	140.3	142.9	140.6	140.2	*133.7	*131.0		
Oil and gas extraction #.....	do	93.9	92.7	90.9	92.4	93.1	92.1	91.8	93.8	93.0	93.3	94.1	94.2	*92.5	*92.4	*93.5			
Crude oil.....	do	105.0	100.3	99.5	100.6	102.2	100.6	100.2	98.6	99.5	97.9	100.7	101.1	*100.7	*99.1	*98.0			
Natural gas.....	do	83.9	85.5	86.2	85.8	85.1	84.4	83.9	83.7	84.9	84.9	84.5	88.2	88.6	87.8				
Stone and earth minerals.....	do	123.1	123.2	122.1	123.8	125.4	127.6	128.5	130.7	130.3	130.0	131.0	134.1	*135.6	*132.2	*133.4			
Utilities.....	do	108.5	110.3	108.5	107.9	106.0	109.6	109.4	111.2	112.9	111.2	112.1	113.2	*111.7	*115.2	*115.8	*114.4		
Electric.....	do	122.4	126.6	122.3	123.6	122.3	128.8	128.8	131.0	132.0	127.5	126.8	127.5	*125.6	*130.3	*131.2			
Manufacturing.....	do	129.1	*134.7	131.6	132.4	132.4	133.2	134.0	135.6	135.9	135.7	137.3	137.9	*138.9	*139.5	*139.8			
Nondurable manufactures.....	do	130.1	*136.8	132.9	133.7	134.6	135.7	136.9	138.5	138.8	138.6	138.1	139.6	*141.3	*141.9	*141.9			
Foods.....	do	134.4	*137.8	136.4	137.3	136.0	137.4	137.7	138.5	138.8	139.5	138.0	139.9	*140.1	*141.2	*142.0			
Tobacco products.....	do	97.1	*103.5	99.9	101.1	99.6	106.6	107.0	106.8	110.4	101.7	103.7	106.5	110.5	107.9				
Textile mill products.....	do	109.2	*115.9	110.8	112.6	116.6	115.7	117.2	118.3	118.8	118.2	116.8	117.3	*118.2	*116.2	*116.0			
Apparel products.....	do	108.1	107.4	106.5	105.4	105.3	106.4	107.7	109.7	108.4	107.6	108.0	109.4	107.8	*108.8	*108.0			
Paper and products.....	do	136.5	144.4	139.9	140.9	140.5	141.3	142.6	148.3	148.9	147.4	146.0	148.3	150.6	*149.7	*148.1			
Printing and publishing.....	do	160.9	*172.1	164.4	167.6	169.2	171.4	174.1	174.0	174.7	174.9	175.2	175.7	*176.9	*179.2	*180.7	*181.4		
Chemicals and products.....	do	132.0	*140.2	135.7	135.3	137.3	138.1	139.3	140.8	142.3	142.4	141.5	144.4	*147.9	*148.9	*148.0			
Petroleum products.....	do	92.7	93.5	91.6	92.1	94.0	92.6	92.8	94.1	92.9	93.5	94.6	93.8	96.1	*96.3	*96.6	*97.8		
Rubber and plastics products.....	do	151.4	163.6	156.2	158.6	160.5	162.2	165.4	167.2	164.8	165.2	166.7	169.9	170.6	*170.3				
Leather and products.....	do	61.4	60.0	59.4	59.4	60.2	61.4	60.8	61.4	61.4	60.7	61.3	60.7	57.5	58.3	*58.9			
Durable manufactures.....	do	128.4	133.1	130.8	131.5	130.9	131.4	132.0	133.5	133.8	133.7	136.8	136.7	*137.3	*137.7	*137.9	*138.3		
Lumber and products.....	do	124.1	130.3	129.6	128.9	127.8	130.3	131.1	132.8	131.1	129.8	134.0							

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

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>GENERAL BUSINESS INDICATORS—Continued</b>																	
<b>BUSINESS INVENTORIES</b>																	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total ..... mil. \$ .....	643,808	692,801	'665,179	667,650	672,221	673,898	673,618	674,002	671,546	678,293	699,538	707,711	692,801	'706,576	715,408	.....	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total ..... mil. \$ .....	652,624	'709,853	'665,679	'668,517	665,877	671,609	674,753	677,743	678,442	682,323	689,926	696,416	'709,853	'715,027	715,852	.....	
Manufacturing, total ..... do .....	318,238	333,656	'320,131	320,090	320,785	321,848	321,621	328,333	325,394	326,670	328,554	331,812	333,656	'336,815	338,390	.....	
Durable goods industries ..... do .....	207,854	216,753	'208,431	207,987	208,683	209,096	208,654	209,951	210,921	211,680	213,436	215,931	216,753	'219,014	220,188	.....	
Nondurable goods industries ..... do .....	110,384	116,908	'111,700	112,103	112,102	112,752	112,967	113,382	114,473	114,990	115,118	115,881	116,908	'117,301	118,202	.....	
Retail trade, total † ..... do .....	'185,996	'211,100	'190,282	'193,186	'194,576	'196,806	'200,424	'202,210	'202,684	'203,708	'206,577	'208,260	'211,100	'209,824	207,572	.....	
Durable goods stores ..... do .....	'91,085	'107,948	'94,507	'96,162	'98,712	'100,716	'101,590	'101,569	'102,394	'104,846	'106,490	'107,948	'106,377	'103,746	.....	.....	
Nondurable goods stores ..... do .....	'94,911	'103,152	'95,775	'97,024	'98,224	'98,094	'99,708	'100,620	'101,115	'101,314	'101,731	'101,770	'103,152	'103,447	103,826	.....	
Merchant wholesalers, total † ..... do .....	'152,887	'165,097	'154,812	'155,241	'155,767	'158,560	'158,835	'158,611	'157,072	'159,135	'162,517	'163,353	'165,097	'168,388	169,890	.....	
Durable goods establishments ..... do .....	'100,871	'107,936	'101,710	'102,808	'103,172	'105,513	'104,746	'104,514	'103,324	'103,983	'106,734	'106,503	'107,996	'111,259	112,182	.....	
Nondurable goods establishments ..... do .....	'52,016	'57,101	'52,438	'52,595	'53,047	'54,089	'53,748	'55,202	'55,783	'56,850	'57,101	'57,129	'57,708	.....	.....	.....	
Mfg. and trade inventories in constant (1982) dollars, end of period(seas. adj.),total bil. \$ .....	649.5	651.8	652.7	655.8	657.0	658.8	657.4	658.3	663.8	666.1	669.0	674.5	675.6	.....	.....	.....	
Manufacturing ..... do .....	319.3	318.3	318.7	319.3	317.2	318.9	319.5	320.2	320.3	322.1	322.6	'325.3	326.6	.....	.....	.....	
Retail trade ..... do .....	177.7	181.1	181.4	182.3	185.0	185.5	184.7	185.6	186.3	186.6	187.5	186.1	187.5	186.1	186.1	.....	
Merchant wholesalers ..... do .....	152.6	152.4	152.5	154.1	154.8	154.4	153.2	155.1	157.2	157.4	158.4	'161.7	162.8	.....	.....	.....	
<b>BUSINESS INVENTORY-SALES RATIOS</b>																	
Manufacturing and trade, total ..... ratio .....	1.54	'1.50	'1.50	'1.50	1.50	1.50	1.49	1.50	1.48	1.49	1.51	'1.52	'1.54	1.53	.....	.....	
Manufacturing, total ..... do .....	1.70	1.61	1.64	1.62	1.64	1.63	1.60	1.62	1.62	1.59	1.60	1.58	'1.63	1.63	1.63	.....	
Durable goods industries ..... do .....	2.11	2.00	'2.02	1.99	2.03	2.04	2.00	2.04	2.03	1.95	1.97	1.99	1.92	2.01	2.01	.....	
Materials and supplies ..... do .....	.60	.57	'58	.57	.58	.58	.57	.58	.55	.55	.55	.54	.56	.56	.56	.....	
Work in process ..... do .....	.97	.92	'93	.91	.93	.93	.92	.94	.94	.91	.92	.93	.90	'94	.94	.....	
Finished goods ..... do .....	.54	.51	.52	.51	.52	.52	.51	.52	.49	.50	.51	.49	.51	.51	.51	.....	
Nondurable goods industries ..... do .....	1.24	1.19	'1.21	1.21	1.20	1.19	1.18	1.18	1.19	1.18	1.17	1.17	1.19	'1.20	1.21	.....	
Materials and supplies ..... do .....	.48	.46	.47	.47	.47	.46	.46	.46	.47	.46	.46	.46	.47	.47	.47	.....	
Work in process ..... do .....	.20	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.....	
Finished goods ..... do .....	.57	.54	.55	.55	.54	.54	.53	.53	.53	.52	.52	.52	.54	.54	.54	.....	
Retail trade, total † ..... do .....	'1.55	1.58	'1.55	'1.56	1.56	1.58	1.58	1.59	'1.56	'1.59	'1.63	'1.64	'1.64	1.63	1.60	.....	
Durable goods stores ..... do .....	'2.13	'2.19	'2.12	'2.10	'2.09	'2.16	'2.14	'2.14	'2.05	'2.14	'2.24	'2.26	'2.25	'2.18	2.09	.....	
Nondurable goods stores ..... do .....	'1.21	'1.22	'1.22	'1.24	'1.25	'1.24	'1.25	'1.26	'1.26	'1.27	'1.27	'1.27	'1.28	'1.29	1.30	.....	
Merchant wholesalers, total † ..... do .....	'1.30	'1.25	'1.25	'1.25	'1.25	'1.26	'1.25	'1.25	'1.24	'1.21	'1.23	'1.27	'1.29	'1.30	1.29	.....	
Durable goods establishments ..... do .....	'1.76	'1.69	'1.68	'1.70	'1.71	'1.74	'1.69	'1.68	'1.66	'1.63	'1.66	'1.71	'1.71	'1.73	1.77	.....	
Nondurable goods establishments ..... do .....	'86	'83	'83	'83	'82	'82	'84	'83	'80	'81	'83	'86	'86	'85	'85	.....	
Manufacturing and trade in constant (1982) dollars, total ..... do .....			1.48	1.50	1.50	1.51	1.51	1.50	1.49	1.49	1.50	1.52	1.52	1.53	1.53	.....	
Manufacturing ..... do .....			1.62	1.63	1.64	1.65	1.63	1.64	1.61	1.60	1.61	1.61	1.61	1.62	1.62	.....	
Retail trade ..... do .....			1.50	1.54	1.54	1.56	1.57	1.56	1.54	1.56	1.60	1.60	1.60	1.59	1.59	1.59	
Merchant wholesalers ..... do .....			1.24	1.24	1.24	1.26	1.27	1.25	1.23	1.23	1.25	1.25	1.25	1.26	1.26	1.26	
<b>MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS</b>																	
Shipments (not seas. adj.), total ..... mil. \$ .....	2,273,298	2,408,578	197,198	206,876	196,715	198,265	212,816	197,896	217,014	211,949	205,722	204,228	'190,746	209,383	.....	.....	
Durable goods industries, total ..... do .....	1,201,704	1,263,601	104,532	111,404	104,429	104,192	113,238	98,412	100,585	114,002	111,685	107,625	108,872	'97,974	110,773	.....	
Stone, clay, and glass products ..... do .....	56,787	60,977	4,806	5,130	5,264	5,144	5,380	4,909	5,092	5,572	5,699	5,132	4,552	'74,446	4,833	.....	
Primary metals ..... do .....	101,733	111,456	8,694	8,950	9,012	9,034	9,623	8,684	9,239	10,005	10,211	10,152	10,205	'9,803	10,570	.....	
Blast furnaces, steel mills ..... do .....	42,830	48,013	3,634	3,713	3,846	3,928	4,198	3,789	4,052	4,271	4,487	4,451	4,404	'4,333	4,782	.....	
Fabricated metal products ..... do .....	135,974	134,248	11,657	11,954	11,483	11,317	11,976	10,392	11,047	11,570	11,449	10,928	10,445	'10,269	11,635	.....	
Machinery, except electrical ..... do .....	205,804	212,759	16,442	18,685	17,123	17,187	19,532	16,400	16,636	19,783	18,544	17,776	20,615	'16,555	18,917	.....	
Electrical machinery ..... do .....	205,613	224,037	17,890	19,323	17,357	17,829	20,105	16,686	18,724	20,952	19,413	19,928	20,244	'17,540	19,382	.....	
Transportation equipment ..... do .....	814,081	823,403	30,281	30,441	28,019	27,378	28,787	20,674	22,921	28,225	28,820	27,452	28,975	'24,547	28,865	.....	
Motor vehicles and parts ..... do .....	194,725	201,163	19,635	19,106	18,145	17,512	17,700	11,408	13,737	17,076	18,749	17,425	14,348	'15,828	18,884	.....	
Instruments and related products ..... do .....	60,860	63,277	5,075	5,494	4,972	5,185	5,724	4,976	5,150	5,791	5,485	5,485	5,389	5,597	5,399	5,399	
Nondurable goods industries, total # ..... do .....	1,071,594	1,144,977	92,666	95,472	92,286	94,073	99,578	91,816	97,311	103,012	100,264	98,097	95,356	'92,772	98,610	.....	
Food and kindred products ..... do .....	314,500	334,774	27,005	27,847	27,581	28,662	27,305	26,992	30,322	29,384	28,604	28,411	'27,391	28,851	.....	.....	
Tobacco products ..... do .....	18,016	18,619	1,804	1,729	1,156	1,670	2,060	1,144	1,486	1,954	1,251	1,874	2,169	920	1,356	.....	
Textile mill products ..... do .....	54,607	56,548	4,604	4,963	4,601	5,126	4,711	5,012	5,255	5,102	4,795	4,350	4,083	4,627	.....	.....	
Paper and allied products ..... do .....	103,834	118,831	9,818	9,777	9,516	9,591	10,295	9,772	10,094	10,435	10,367	10,071	10,112	'10,525	10,944	.....	
Chemical and allied products ..... do .....	198,348	214,671	17,509	18,094	17,986	18,109	18,892	16,577	17,769	19,262	17,903	17,687	18,250	'18,533	19,329	.....	
Petroleum and coal products ..... do .....	129,320	129,871	9,807	10,101	10,324	10,756	11,218	11,598	11,362	11,346	11,393	11,068	10,630	'10,174	9,880	.....	
Rubber and plastics products ..... do .....	72,170	78,897	6,730	6,													

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987												1988			
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>GENERAL BUSINESS INDICATORS—Continued</b>																			
<b>MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued</b>																			
Shipments (seas. adj.)—Continued																			
By market category:																			
Home goods and apparel .....	.....	158,075	162,635	13,241	18,306	18,330	18,488	13,746	18,518	18,683	18,795	13,732	13,677	13,725	13,961	13,665	13,665	.....	
Consumer staples .....	do .....	447,890	476,050	88,555	88,537	88,897	89,477	40,151	89,604	40,044	40,602	40,403	40,859	40,852	40,855	40,724	40,724	.....	
Equipment and defense products, except auto .....	do .....	372,198	385,413	80,825	82,114	81,169	81,151	82,000	82,516	82,349	83,581	82,797	82,282	85,361	84,097	84,147	84,147	.....	
Automotive equipment .....	do .....	217,223	225,420	19,716	19,399	18,852	18,844	18,379	16,493	17,806	18,851	19,861	19,053	18,927	18,288	19,009	19,009	.....	
Construction materials, supplies, and intermediate products .....	do .....	179,596	192,845	16,557	16,262	15,981	15,819	15,745	16,117	15,732	16,115	16,187	16,600	16,817	16,456	16,704	16,704	.....	
Other materials, supplies, and intermediate products .....	do .....	903,316	965,981	76,956	77,812	77,779	78,900	80,570	81,147	81,314	82,888	83,616	84,755	85,674	88,604	83,186	83,186	.....	
Supplementary series:																			
Household durables .....	do .....	71,541	75,958	6,223	6,132	6,175	6,294	6,445	6,164	6,376	6,407	6,428	6,566	6,433	6,717	6,552	6,552	.....	
Capital goods industries .....	do .....	428,686	446,907	35,228	37,227	36,079	36,211	37,289	37,012	37,289	38,129	37,862	40,825	39,063	38,911	38,911	38,911	.....	
Nondefense .....	do .....	321,761	337,113	26,804	27,358	27,319	28,974	27,852	28,494	29,709	28,995	28,622	30,731	30,650	30,521	30,521	30,521	.....	
Defense .....	do .....	106,925	109,794	8,424	9,874	8,760	9,237	9,437	8,906	8,795	9,524	9,134	9,240	10,094	8,433	8,390	8,390	.....	
Inventories, end of year or month:																			
Book value (non-LIFO basis), (unadjusted), total .....	do .....	313,697	328,816	321,166	320,743	322,978	324,696	322,472	324,070	326,648	325,852	328,414	330,713	328,816	335,061	339,558	339,558	.....	
Durable goods industries, total .....	do .....	204,025	212,704	208,809	208,758	210,363	211,505	209,890	210,939	212,106	211,586	213,166	214,613	212,704	216,882	220,641	220,641	.....	
Nondurable goods industries, total .....	do .....	109,672	116,112	112,357	111,985	112,615	113,191	112,582	113,131	114,542	114,266	115,248	116,100	116,112	118,199	118,199	118,199	.....	
Book value (non-LIFO basis), (seasonally adjusted), total .....	do .....	318,238	333,656	320,131	320,090	320,785	321,848	321,621	323,333	325,394	326,670	328,554	331,812	333,656	336,815	338,390	338,390	.....	
By industry group:																			
Durable goods industries,																			
total # .....	do .....	207,854	216,758	208,481	207,987	208,688	209,096	208,654	209,951	210,921	211,680	213,436	215,931	216,758	219,014	220,188	220,188	.....	
Stone, clay, and glass products .....	do .....	6,978	7,162	6,998	7,021	6,988	7,015	6,973	7,020	7,055	7,029	7,096	7,135	7,162	7,136	7,149	7,149	.....	
Primary metals .....	do .....	17,211	17,542	16,710	16,587	16,520	16,312	16,228	16,229	16,466	16,667	16,940	17,249	17,542	18,020	18,128	18,128	.....	
Blast furnaces, steel mills .....	do .....	7,786	8,022	7,524	7,450	7,381	7,287	7,270	7,296	7,407	7,514	7,715	7,849	8,022	8,415	8,407	8,407	.....	
Fabricated metal products .....	do .....	21,175	22,072	21,346	21,438	21,366	21,343	21,223	21,402	21,501	21,747	21,927	21,971	22,072	22,361	22,466	22,466	.....	
Machinery, except electrical .....	do .....	41,518	41,418	41,295	41,081	41,228	41,092	40,902	40,824	40,879	40,512	40,944	41,191	41,418	41,882	42,126	42,126	.....	
Electrical machinery .....	do .....	38,878	39,975	39,108	38,995	39,164	39,277	39,220	39,277	39,384	39,579	39,788	40,190	39,975	40,195	40,260	40,260	.....	
Transportation equipment .....	do .....	52,736	58,079	53,483	53,271	53,735	54,084	54,199	55,092	55,582	56,790	57,889	58,079	58,827	59,012	59,012	59,012	.....	
Motor vehicles and parts .....	do .....	11,090	11,413	11,042	11,208	11,082	11,188	11,155	11,160	10,961	11,324	11,267	11,459	11,418	11,806	11,694	11,694	.....	
Instruments and related products .....	do .....	12,585	12,710	12,649	12,509	12,454	12,461	12,511	12,561	12,675	12,560	12,619	12,710	12,757	12,875	12,875	12,875	.....	
By stage of fabrication:																			
Materials and supplies .....	do .....	59,371	60,494	59,441	59,230	59,770	59,723	59,759	59,417	59,828	59,554	59,587	60,031	60,494	60,930	61,149	61,149	.....	
Work in process .....	do .....	95,310	101,246	95,738	95,052	95,335	95,768	96,060	96,904	97,706	98,623	99,390	100,824	101,246	102,221	103,013	103,013	.....	
Finished goods .....	do .....	53,173	55,013	53,252	53,705	53,578	53,605	52,835	53,630	53,887	53,503	54,459	55,076	55,013	55,868	56,026	56,026	.....	
Nondurable goods industries,																			
total # .....	do .....	110,384	116,903	111,700	112,103	112,752	112,967	113,382	114,473	114,990	115,118	115,881	116,903	117,801	118,202	118,202	118,202	.....	
Food and kindred products .....	do .....	25,528	27,489	26,106	26,440	26,379	26,604	26,492	26,505	26,844	26,997	27,314	27,864	28,008	28,008	28,008	28,008	.....	
Tobacco products .....	do .....	5,585	5,569	5,603	5,688	5,712	5,808	5,925	5,936	5,903	5,744	5,627	5,600	5,569	5,593	5,593	5,593	.....	
Textile mill products .....	do .....	6,560	6,874	6,805	6,871	6,868	6,810	6,751	6,796	6,957	6,896	6,931	6,934	6,984	6,984	6,984	6,984	6,984	.....
Paper and allied products .....	do .....	10,480	11,284	10,666	10,887	10,909	10,906	10,923	11,021	11,052	10,953	10,995	11,284	11,391	11,511	11,511	11,511	.....	
Chemicals and allied products .....	do .....	26,983	27,743	27,157	26,921	26,867	26,783	26,465	26,862	26,847	26,999	27,166	27,321	27,743	28,372	28,685	28,685	28,685	.....
Petroleum and coal products .....	do .....	9,907	10,646	10,184	10,387	10,290	10,227	10,348	10,546	11,031	10,769	10,752	10,732	10,646	10,298	10,223	10,223	.....	
Rubber and plastics products .....	do .....	8,586	9,220	8,566	8,567	8,565	8,677	8,647	8,803	9,104	9,069	9,100	9,121	9,220	9,576	9,519	9,519	.....	
By stage of fabrication:																			
Materials and supplies .....	do .....	42,986	45,722	43,036	43,178	43,624	44,045	44,184	44,394	44,603	45,288	45,109	45,420	45,722	46,206	46,320	46,320	46,320	.....
Work in process .....	do .....	17,338	18,628	17,833	18,003	17,882	18,029	18,134	18,034	18,386	18,534	18,736	18,628	18,667	18,757	18,757	18,757	18,757	.....
Finished goods .....	do .....	50,060	52,553	50,831	50,922	50,646	50,678	50,649	50,594	51,485	51,270	51,455	51,725	52,553	52,838	53,215	53,215	53,215	.....
By market category:																			
Home goods and apparel .....	do .....	24,960	27,040	25,509	25,672	25,666	25,783	25,613	25,853	25,825	26,129	26,421	26,623	27,040	27,040	27,182	27,182	27,182	.....
Consumer staples .....	do .....	41,127	42,717	41,514	41,668	41,580	41,988	42,592	42,135	42,136	42,128	42,476	42,717	42,944	43,004	43,004	43,004	43,004	.....
Equip. and defense prod., exc. auto .....	do .....	91,990	95,149	92,177	91,708	92,173	92,316	92,225	92,625	93,932	93,326	93,339	94,148	95,108	95,149	95,786	96,352	96,352	.....</

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## SURVEY OF CURRENT BUSINESS

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Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987												1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>GENERAL BUSINESS INDICATORS—Continued</b>																		
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																		
Unfilled orders, end of period (unadjusted), total.....	.......	370,410	400,414	373,797	377,900	382,003	383,901	385,183	390,995	391,682	391,513	392,583	396,265	400,414	410,025	415,944	.....	
Durable goods industries, total.....	do.....	359,536	387,145	361,749	365,334	368,972	370,981	372,099	377,287	377,865	377,707	378,819	382,853	387,145	396,482	401,991	.....	
Nondurable goods industries with unfilled orders †.....	do.....	10,874	13,269	12,048	12,566	13,031	12,920	13,084	13,708	13,817	13,806	13,764	13,412	13,269	13,543	13,953	.....	
Unfilled orders, end of period (seasonally adjusted) total.....	.......	372,974	403,496	370,244	371,220	375,886	380,354	385,217	391,887	394,640	395,627	398,630	401,030	403,496	408,826	412,299	.....	
By industry group:																		
Durable goods industries, total #.....	do.....	361,855	389,360	358,328	358,765	362,995	367,510	372,215	378,396	380,939	381,851	384,695	387,266	389,860	395,110	398,501	.....	
Primary metals.....	do.....	17,818	22,335	16,747	17,028	17,822	18,688	19,646	20,028	20,207	20,992	21,316	22,335	22,218	22,403	22,403	.....	
Blast furnaces, steel mills .....	do.....	9,165	12,251	8,903	8,986	9,762	10,282	10,944	11,247	11,288	11,632	11,400	11,712	12,251	12,058	11,925	.....	
Nonferrous and other pri- mary metals.....	do.....	5,395	7,106	5,147	5,427	5,463	5,679	5,998	6,048	6,168	6,477	7,045	6,930	7,106	7,166	7,428	.....	
Fabricated metal products.....	do.....	18,893	19,556	18,446	18,579	18,441	18,415	18,816	19,064	19,119	19,258	19,420	19,544	19,556	19,434	19,528	.....	
Machinery, except electrical.....	do.....	55,296	57,664	54,885	54,963	55,544	56,017	56,185	56,954	57,266	57,492	57,899	57,820	57,664	58,524	58,547	.....	
Electrical machinery.....	do.....	98,844	96,233	91,861	89,792	91,629	91,656	92,801	93,421	95,522	94,195	95,081	95,945	96,233	97,144	96,890	.....	
Transportation equipment.....	do.....	160,965	176,803	160,152	161,478	162,671	165,919	167,728	171,590	173,389	172,215	173,308	174,804	176,803	180,036	183,213	.....	
Aircraft, missiles, and parts.....	do.....	137,671	152,209	137,631	138,309	139,064	141,099	141,890	146,017	147,734	147,407	148,980	149,636	152,209	155,126	158,440	.....	
Nondurable goods industries with unfilled orders †.....	do.....	11,119	13,636	11,916	12,455	12,891	12,844	13,002	13,491	13,701	13,776	13,985	13,764	13,636	13,716	13,798	.....	
By market category:																		
Home goods and apparel.....	do.....	3,511	4,410	4,173	4,621	4,611	4,645	4,567	4,717	4,768	4,805	4,849	4,672	4,410	4,649	4,841	.....	
Consumer staples.....	do.....	770	698	722	737	746	708	699	690	675	660	622	651	698	724	783	.....	
Equip. and defense prod., excl. auto.....	do.....	238,796	252,196	236,827	235,043	237,845	241,369	244,022	247,525	249,049	248,981	250,052	252,204	252,196	254,350	257,506	.....	
Automotive equipment.....	do.....	5,619	5,735	5,608	5,661	5,776	6,009	6,014	5,981	5,888	5,898	5,737	5,782	5,785	5,588	5,405	.....	
Construction materials, supplies, and intermediate products.....	do.....	10,432	10,598	9,948	10,026	9,925	9,913	9,958	10,050	10,146	10,054	10,114	10,813	10,593	10,509	10,604	.....	
Other materials, supplies, and intermediate products.....	do.....	113,846	129,364	112,966	115,132	117,483	117,715	119,957	122,974	124,114	125,284	127,256	127,408	129,864	133,111	133,160	.....	
Supplementary series:																		
Household durables.....	do.....	3,069	3,449	3,499	3,897	3,822	3,881	3,832	3,893	3,915	3,910	3,882	3,877	3,849	3,625	3,794	.....	
Capital goods industries.....	do.....	289,918	309,273	287,645	286,851	290,088	293,349	296,624	301,517	303,289	302,921	305,209	307,171	309,273	314,085	316,982	.....	
Nondefense.....	do.....	127,820	146,294	129,168	129,113	130,104	133,161	135,296	139,172	140,218	140,262	141,683	143,146	145,294	150,435	153,362	.....	
Defense.....	do.....	162,098	162,979	158,477	157,738	159,984	160,188	161,328	162,345	163,071	162,639	163,526	164,025	162,979	163,650	163,620	.....	
<b>BUSINESS INCORPORATIONS @</b>																		
New incorporations (50 States and Dist. Col.):																		
Unadjusted.....	number .....	702,101	683,686	55,406	65,536	62,679	55,548	61,412	58,845	54,225	55,297	55,226	49,118	55,912	51,291	.....		
Seasonally adjusted.....	do.....			59,385	60,907	58,252	54,993	57,234	57,145	58,181	56,773	55,006	55,753	53,453	53,540			
<b>INDUSTRIAL AND COMMERCIAL FAILURES @</b>																		
Failures, total.....	number .....	61,601	61,235	5,390	5,603	5,320	6,831	4,937	5,518	4,419	4,302	5,284	4,077	4,441	4,441	4,441	.....	
Commercial service.....	do.....	20,966	24,029	1,993	2,149	1,905	2,443	2,035	2,197	1,775	1,766	2,104	1,684	1,875	1,875	1,875	.....	
Construction.....	do.....	7,110	6,724	559	622	562	698	542	616	531	477	616	467	488				
Manufacturing and mining.....	do.....	5,699	4,939	483	488	445	469	367	456	367	318	451	323	320				
Retail trade.....	do.....	13,623	12,185	1,171	1,069	1,060	1,228	898	1,093	859	863	1,092	763	913				
Wholesale trade.....	do.....	4,865	4,304	386	386	358	426	351	408	320	289	317	296					
Liabilities (current), total.....	mil. \$ .....	43,284.7	33,024.5	2,921.1	2,662.7	2,024.8	2,872.4	2,742.3	2,142.7	1,907.4	2,026.2	3,151.6	1,610.5	5,516.2	.....			
Commercial service.....	do.....	8,370.2	8,088.7	852.1	619.5	708.4	907.1	659.0	793.0	622.6	495.4	565.2	454.6	544.3				
Construction.....	do.....	1,782.7	2,278.6	184.9	599.5	209.9	290.5	169.0	110.8	202.5	85.1	153.3	84.3	107.6				
Manufacturing and mining.....	do.....	8,955.8	8,476.4	386.0	398.1	217.9	309.0	586.7	207.7	132.8	141.0	189.5	173.3	1,882.7				
Retail trade.....	do.....	2,718.0	3,713.7	415.6	172.0	171.4	182.6	118.4	180.1	141.7	144.3	227.9	168.7	1,581.7				
Wholesale trade.....	do.....	2,035.4	1,336.8	194.7	148.0	97.4	118.0	98.0	124.3	81.3	89.1	81.8	128.1	62.6				
Failure annual rate (seasonally adjusted) No. per 10,000 concerns..		120.0	102.0															

**COMMODITY PRICES**

<b>PRICES RECEIVED AND PAID BY FARMERS †</b>																		
Prices received, all farm products.....	1910-14=100..	561	578	557	555	569	586	595	589	581	588	580	601	582	599	592	592	.....
Crops #.....	do.....	460	458	429	431	435	465	474	468	444	451	458	517	487	496	472	475	.....
Commercial vegetables.....	do.....	646	716	680	766	676	654	628	661	634	643	610	1,011	888	990	764	714	.....
Cotton.....	do.....	462	502	392	401	425	507	559	577	538	548	544	549	542	512	480		
Feed grains and hay.....	do.....	309	269	247	254	255	265	290	285	271	260	263	271	278	291	304	304	.....
Food grains.....	do.....	300	281	280	278	284	288	265	252									

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

	Units	Annual		1987												1988			
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>COMMODITY PRICES—Continued</b>																			
<b>CONSUMER PRICES †—Continued</b>																			
(U.S. Department of Labor Indexes)—Continued																			
Not Seasonally Adjusted																			
All items (CPI-U)—Continued																			
Commodities.....	1982-84=100	104.4	107.7	105.8	106.4	107.2	107.5	107.7	107.6	108.2	108.9	109.3	109.5	109.3	109.2	109.1	109.8		
Nondurables.....	do	103.5	107.5	105.3	106.1	106.9	107.2	107.4	107.3	108.1	109.0	109.4	109.5	109.1	109.1	109.0	109.8		
Nondurables less food.....	do	98.5	101.8	98.6	100.1	101.3	101.4	101.4	101.3	102.6	104.0	104.6	104.8	103.7	102.8	102.7	104.1		
Durables.....	do	106.6	108.2	107.0	107.2	107.7	107.9	108.2	108.4	108.3	108.3	108.8	109.6	109.5	109.4	109.4	109.5		
Commodities less food.....	do	101.7	104.3	102.0	103.9	104.0	104.1	104.1	104.3	104.9	105.7	106.3	106.7	106.0	105.5	105.4	106.3		
Services.....	do	115.4	120.2	118.1	118.5	118.9	119.3	120.1	120.5	121.2	121.7	121.9	122.0	122.2	122.9	123.4	123.8		
Food #.....	do	109.0	113.5	112.5	112.8	113.3	113.8	113.8	113.7	113.8	114.1	114.3	114.2	114.7	115.7	115.7	115.9		
Food at home.....	do	107.3	111.9	111.2	110.9	111.3	112.0	112.6	112.1	112.1	112.4	112.4	112.1	112.8	114.1	113.9	113.9		
Housing.....	do	110.9	114.2	112.4	112.8	113.2	113.6	114.3	114.3	115.4	115.6	115.5	115.5	116.2	116.6	117.0			
Shelter #.....	do	115.8	121.3	119.0	119.6	120.2	120.5	120.8	121.3	122.2	122.5	123.2	123.4	123.7	124.6	125.0	125.6		
Rent, residential.....	do	118.3	123.1	121.7	121.8	122.0	122.3	122.3	122.8	124.4	124.8	124.8	125.6	126.0	126.3	126.4			
Homeowners' cost.....	12/82=100	119.4	124.8	122.5	123.0	124.0	124.2	124.4	125.4	126.0	127.1	127.4	128.0	128.5	129.0	129.2			
Fuel and utilities #.....	1982-84=100	104.1	103.0	101.4	101.5	101.3	102.2	104.9	105.0	105.9	105.5	108.2	102.4	102.0	102.8	102.7			
Fuel oil, coal, and bottled gas.....	do	77.6	77.9	77.5	77.5	77.1	77.2	77.1	77.8	77.6	78.5	80.3	80.5	80.8	80.9	80.5			
Gas (piped) and electricity.....	do	105.7	108.3	101.5	101.5	100.8	102.5	108.1	107.6	108.2	103.3	101.4	100.9	101.5	101.9	101.7			
Household furnishings and operation.....	do	105.2	107.1	106.5	106.8	107.2	107.1	107.1	107.2	107.3	107.5	107.4	107.3	107.5	107.7	108.3			
Apparel and upkeep.....	do	105.9	110.6	106.2	109.7	111.5	111.1	109.3	107.3	109.4	113.8	115.4	115.4	112.7	110.4	114.3			
Transportation.....	do	102.3	105.4	103.1	103.3	104.2	104.7	105.4	106.0	106.5	106.6	107.1	107.6	107.1	106.8	106.5			
Private.....	do	101.2	104.2	101.8	102.0	103.0	103.5	104.3	104.9	105.4	105.4	106.0	106.8	106.5	105.7	105.4			
New cars.....	do	110.6	114.6	113.5	113.1	113.6	114.0	114.3	114.7	114.4	114.1	115.2	116.6	116.2	116.0	116.0			
Used cars.....	do	108.8	113.1	106.9	108.7	111.3	113.4	114.7	115.4	115.5	116.0	116.2	116.5	116.3	116.0	116.1			
Public.....	do	117.0	121.1	120.6	121.1	120.9	120.6	120.2	121.2	121.1	122.0	122.1	122.0	121.8	120.8	121.4			
Medical care.....	do	122.0	130.1	127.4	128.1	128.7	129.2	129.9	130.7	131.2	132.8	132.8	133.1	134.4	135.5	136.3			
Seasonally Adjusted																			
All items, percent change from previous month.....																			
Crude materials for further processing.....	1982-84=100																		
Crude materials for further processing.....	do	4	4	4	4	4	4	3	3	4	3	3	2	3	2	2	5		
Intermediate materials, supplies, etc.....	do	105.9	106.5	107.1	107.4	107.8	108.4	108.8	109.1	109.3	109.2	109.4	109.3	109.9					
Finished goods #.....	do	102.5	103.3	103.9	104.2	104.4	104.7	105.3	105.5	105.9	106.2	105.9	106.0	105.9	106.6				
Food.....	do	112.1	112.3	112.7	113.3	113.9	113.8	113.9	114.5	114.7	114.8	115.3	115.6	115.3	115.7				
Food at home.....	do	110.3	110.5	111.0	111.8	112.5	112.1	112.7	112.8	112.8	113.5	113.7	113.0	113.4					
Apparel and upkeep.....	do																		
Transportation.....	do	107.9	109.6	111.0	111.4	110.8	109.9	110.3	111.3	112.7	113.1	112.2	112.3	112.0	114.2				
Private.....	do	108.4	104.0	104.6	104.8	105.3	105.9	106.7	106.8	107.2	107.7	107.4	107.3	107.1	107.2				
New cars.....	do	102.2	102.8	103.4	104.2	104.8	105.6	105.7	106.2	106.6	106.4	106.6	106.1	106.2					
Services.....	do																		
PRODUCER PRICES §																			
(U.S. Department of Labor Indexes)																			
Not Seasonally Adjusted																			
All commodities.....	1982=100	100.2	102.8	101.0	101.2	101.9	102.6	103.0	103.5	108.8	103.7	104.1	104.2	104.1	104.5	104.6	104.9		
By stage of processing:																			
Crude materials for further processing.....	do	87.7	98.7	89.9	90.3	92.4	94.8	95.1	96.0	96.5	95.7	95.3	94.7	94.3	93.4	94.6	94.1		
Intermediate materials, supplies, etc.....	do	99.1	101.5	99.5	99.6	100.2	100.9	101.5	102.1	102.5	102.7	103.1	103.4	103.7	104.2	104.1	104.6		
Finished goods #.....	do	103.2	105.4	104.1	104.3	105.1	105.4	105.5	106.0	105.9	105.7	106.2	106.3	106.2	105.9	106.2			
Finished consumer goods.....	do	101.4	103.6	102.2	102.3	103.2	103.7	103.9	104.4	104.3	104.2	104.4	104.5	103.9	104.3	104.0	104.3		
Capital equipment.....	do	109.7	111.7	111.2	111.1	111.6	111.4	111.6	111.7	111.2	112.5	112.5	112.4	112.7	113.2				
By durability of product:																			
Durable goods.....	do	107.5	109.9	108.5	108.7	109.1	109.2	109.3	109.7	110.0	110.2	111.4	111.7	112.0	112.6	112.8	113.2		
Non-durable goods.....	do	94.8	97.5	95.4	95.5	96.5	97.6	98.2	98.8	99.0	99.8	98.5	98.6	98.3	98.5	98.7			
Total manufactures.....	do	101.7	104.4	102.7	102.8	103.5	104.0	104.3	104.8	105.1	105.1	105.8	106.0	105.9	106.5	107.0			
Durable manufactures.....	do	107.5	109.6	108.5	108.7	109.0	109.1	109.1	109.4	109.7	109.7	110.9	111.1	111.5	112.0	112.5			
Non-durable manufactures.....	do	96.0	99.2	97.1	96.9	98.1	98.9	99.5	100.1	100.7	100.4	100.7	100.9	100.5	101.0	101.6			
Farm products, processed foods and feeds.....	do	101.2	103.7	101.6	101.3	103.8	105.9	105.5	105.2	104.0	104.6	104.1	104.3	105.3	105.2	105.7			
Farm products.....	do	92.9	95.4	92.0	92.2	95.7	99.9	98.8	97.9	95.7	96.1	94.9	96.3	95.4	96.8	97.5			
Foods and feeds, processed.....	do	105.4	107.9	106.4	105.9	107.2	109.1	109.0	108.2	108.7	108.7	108.1	108.2	109.5	109.2	109.7			
Industrial commodities.....	do	100.0	102.6	100.8	101.1	101.6	101.9	102.4	103.1	103.7	104.0	104							

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988		
				Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		1986	1987														
<b>CONSTRUCTION AND REAL ESTATE</b>																	
<b>CONSTRUCTION PUT IN PLACE</b>																	
New construction (unadjusted), total.....	mil. \$.	388,817	398,943	26,065	28,435	30,503	33,824	37,278	36,566	38,443	38,612	'37,008	'34,742	'31,177	'25,871	25,819	
Private, total #.....		316,589	323,622	21,667	23,520	24,835	27,573	30,828	29,150	30,846	30,445	'29,629	'28,225	'25,817	'21,309	21,334	
Residential.....	do	187,148	197,347	12,683	14,049	15,003	17,030	19,655	18,401	19,561	19,114	'18,113	'16,720	'14,416	'12,114	11,720	
New housing units.....	do	133,192	139,688	8,730	10,294	10,976	11,927	12,662	13,144	13,275	13,290	13,068	12,436	'10,579	'9,319	8,653	
Nonresidential buildings, except farm and																	
public utilities, total #.....	mil. \$.	91,171	88,768	6,498	6,693	6,864	7,452	7,408	7,462	7,912	8,020	8,081	8,295	7,820	6,672	6,957	
Industrial.....	do	13,747	13,095	909	872	900	1,105	1,099	1,087	1,191	1,308	1,230	1,270	1,227	'968	1,012	
Commercial.....	do	56,761	53,199	3,855	4,020	4,143	4,475	4,428	4,447	4,782	4,865	5,034	4,588	'3,953	4,027		
Public utilities:																	
Telephone and telegraph.....	do	8,427	8,685	557	673	678	711	767	762	859	827	768	733	823	513		
Public, total #.....		72,228	75,321	4,898	4,915	5,669	6,251	6,950	7,416	7,596	8,167	7,379	'6,517	'5,360	'4,562	4,485	
Buildings (excl. military) #.....	do	23,494	25,310	1,813	1,959	2,085	2,150	2,146	2,264	2,311	2,343	2,154	2,151	2,090	'1,892	1,942	
Housing and redevelopment.....	do	1,456	1,517	119	132	112	121	131	136	133	127	120	123	'114	114		
Industrial.....	do	1,657	1,458	117	151	103	140	119	110	120	143	104	104	109	108	109	
Military facilities.....	do	8,920	4,204	234	324	284	366	363	417	349	507	359	395	264	386	368	
Highways and streets.....	do	23,359	23,248	849	1,059	1,428	1,942	2,420	2,626	2,752	2,874	2,795	2,140	'992	971		
New construction (seasonally adjusted at annual rates), total.....	bil. \$.			401.6	388.3	396.2	396.7	397.2	398.5	402.9	402.8	'398.9	'404.0	'403.9	'392.5	391.5	
Private, total #.....	do			326.5	312.2	320.5	321.4	324.3	323.8	329.8	324.9	'322.2	'327.0	'326.3	'318.1	316.8	
Residential.....	do	203.1	190.8	199.5	195.9	200.9	198.0	200.2	197.0	'194.5	'193.7	'194.5	'190.1	'188.1			
New housing units.....	do	187.0	189.5	139.7	139.4	138.2	137.9	138.2	140.0	'141.1	'142.4	'143.1	'138.8	'136.8			
Nonresidential buildings, except farm and																	
public utilities, total #.....	bil. \$.	87.6	86.4	84.8	88.7	86.7	88.0	90.1	89.2	'89.9	'95.3	'93.0	'90.9	'92.0			
Industrial.....	do	12.1	11.4	11.5	13.4	13.0	13.0	13.7	14.4	'13.5	'14.3	'13.6	'13.2	'13.5			
Commercial.....	do	53.1	52.3	50.9	53.2	51.8	52.5	54.1	52.8	'53.9	'57.7	'55.0	'54.3	'53.6			
Public utilities:																	
Telephone and telegraph.....	do			8.1	8.2	8.2	8.6	8.2	8.7	9.8	9.2	8.4	'8.8	'9.7	8.2		
Public, total #.....	do			75.2	76.1	75.7	75.8	72.9	74.6	73.0	77.9	'76.7	'76.9	'77.6	'74.4	74.7	
Buildings (excl. military) #.....	do			25.7	26.1	25.3	26.1	24.2	25.0	24.8	25.3	'24.8	'25.8	'27.0	'25.3	26.7	
Housing and redevelopment.....	do			1.4	1.6	1.3	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.4	1.4	
Industrial.....	do			1.4	1.8	1.2	1.7	1.4	1.3	1.4	1.7	1.2	1.2	1.3	1.3	1.3	
Military facilities.....	do			2.8	3.9	3.4	4.4	4.4	5.0	4.2	6.1	4.3	4.7	3.2	4.6	4.4	
Highways and streets.....	do			23.3	23.6	22.7	22.6	21.7	22.4	22.0	23.5	25.0	24.7	'24.6	'24.7		
<b>CONSTRUCTION CONTRACTS</b>																	
Construction contracts in 50 States (F.W. Dodge Division, McGraw-Hill):																	
Value, total.....	mil. \$.	248,588	254,673	'15,729	'22,622	22,599	21,469	24,712	24,004	23,914	22,088	22,492	17,930	17,626	14,523	16,247	21,708
Index (mo. date seas. adj.).....	'1982=100..	'158	'162	159	167	157	157	167	165	174	160	164	157	157	145	159	154
Public ownership.....	mil. \$.	59,862	65,857	3,542	5,697	5,801	6,079	7,114	6,515	5,988	5,867	6,258	4,377	4,698	3,919	4,223	5,562
Private ownership.....	do	188,726	188,816	'12,187	'16,925	16,798	15,391	17,598	17,489	17,377	16,170	16,235	13,553	12,928	10,604	12,024	16,145
By type of building:																	
Nonresidential.....	do	83,721	89,422	5,394	'7,229	7,153	6,750	8,227	8,125	8,358	8,047	8,573	6,967	6,646	5,354	5,386	6,957
Residential.....	do	122,896	119,915	'7,920	'11,228	11,276	10,260	10,986	11,279	10,919	10,158	10,124	8,229	7,327	6,610	7,846	10,898
Non-building construction.....	do	41,972	45,337	'2,415	'4,165	4,170	4,459	5,498	4,600	4,637	3,832	3,795	2,734	3,153	2,560	3,016	3,382
New construction planning (Engineering News-Record) \$.....	do	288,568	267,823	28,216	23,248	24,192	20,378	22,429	19,670	17,323	20,656	18,713	17,829	25,375	28,423		
<b>HOUSING STARTS AND PERMITS</b>																	
New housing units started:																	
Unadjusted:																	
Total (private and public).....	thous.	1,807.1	1,622.7	102.8	141.3	159.6	158.3	163.2	152.8	148.8	152.3	139.1	118.9	85.4	'78.2	90.0	
Privately owned.....	do	1,805.4	1,620.5	102.8	141.2	159.3	158.0	162.9	152.4	148.6	152.0	139.1	118.8	85.4	'78.2	'89.9	131.4
One-family structures.....	do	1,179.4	1,146.4	71.8	100.4	118.3	114.1	114.1	111.5	100.7	109.1	96.6	79.3	61.2	'55.8	'63.9	102.2
Seasonally adjusted at annual rates: ◊																	
Total privately owned.....	do			1,809	1,723	1,635	1,599	1,583	1,594	1,583	1,679	1,538	1,661	1,399	'1,382	'1,514	1,185
One-family structures.....	do			1,285	1,206	1,201	1,125	1,086	1,142	1,109	1,211	1,105	1,129	1,035	'1,016	'1,106	
New private housing units authorized by building permits (17,000 permit-issuing places):																	
Monthly data are seas. adj. at annual rates:																	
Total.....	thous.	1,769	1,539	1,676	1,719	1,598	1,493	1,517	1,487	1,502	1,502	1,468	1,469	1,361	1,257	'1,422	1,452
One-family structures.....	do	1,078	1,036	1,204	1,150	1,058	1,009	1,039	993	1,023	992	977	983	974	920	'1,003	1,027
Manufacturers' shipments of mobile homes:																	
Unadjusted:																	
Total.....	thous.	244.3	232.8	16.3	19.6	21.1	20.2	21.5	21.0	22.0	21.7	22.2	17.0	14.3	13.0	15.2	
Seasonally adjusted at annual rates.....	do					232	230	229	224	234	243	234	240	234	228	227	200
<b>CONSTRUCTION COST INDEXES</b>																	
Dept. of Commerce composite.....		111.8	114.5	113.0	118.7	113.8	114.1	114.5	114.9	115.0	115.1	114.2	114.8	'114.2	'114.8	114.7	115.0
Boeckh indexes:																	
Average, 20 cities:																	
Apartments, hotels, office buildings.....	....1982=100..	114.9	117.3		116.7												

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>CONSTRUCTION AND REAL ESTATE—Continued</b>																	
<b>REAL ESTATE ♦</b>																	
Mortgage applications for new home construction:																	
FHA applications.....thous. units..	325.5	165.3	22.3	27.5	15.1	14.0	14.2	13.8	10.1	10.1	7.8	5.8	6.5	7.4	8.3	10.8	
Seasonally adjusted annual rates.....do.....			302	289	155	161	162	158	117	114	100	86	95	108	101	103	
Requests for VA appraisals.....do.....	244.6	193.0	15.8	21.0	21.4	18.6	17.7	18.8	14.4	14.6	13.8	10.8	9.4	10.5	13.4	16.5	
Seasonally adjusted annual rates.....do.....			203	216	228	213	189	212	168	180	182	201	190	194	162	162	
Home mortgages insured or guaranteed by:																	
Fed. Hous. Adm.: Face amount.....mil. \$.	57,108.02	81,880.51	5,519.57	9,220.25	9,035.56	9,265.48	7,566.47	7,341.31	8,901.72	6,179.54	4,816.08	4,092.54	3,986.85	4,452.92	3,350.77	2,926.84	
Vet. Adm.: Face amount \$.....do.....	24,721.62	33,322.54	3,254.93	4,419.78	3,021.48	2,621.57	3,424.22	2,973.52	2,819.12	2,488.48	2,182.60	1,882.55	1,511.22	1,143.23	1,503.09	1,381.52	
Federal Home Loan Banks, outstanding advances to member institutions, end of period.....mil. \$.	108,645	133,054	104,376	106,760	108,820	111,665	114,335	115,321	116,846	120,090	124,775	127,056	133,054	130,911	129,582	129,503	
New mortgage loans of FSLIC-insured institutions, estimated total @.....mil. \$.	265,513	253,578	15,931	21,933	24,569	24,597	27,727	23,609	20,509	20,587	20,327	16,876	21,694	13,144	13,492	.....	
By purpose of loan:																	
Home construction.....do.....	28,825	28,502	1,840	2,377	2,222	2,550	2,983	2,688	2,579	2,585	2,473	2,082	2,562	1,538	1,740	.....	
Home purchase.....do.....	195,513	190,706	11,824	16,526	19,407	19,473	21,336	18,089	15,437	14,897	15,014	12,483	14,501	9,417	9,350	.....	
All other purposes.....do.....	41,169	34,368	2,266	3,031	2,940	2,573	3,412	2,882	2,494	3,104	2,840	2,310	2,463	2,187	2,401	.....	

**DOMESTIC TRADE**

<b>ADVERTISING</b>																	
Magazine advertising (Leading National Advertisers):																	
Cost, total.....mil. \$.																	
Apparel and accessories.....do.....																	
Automotive, incl. accessories.....do.....																	
Building materials.....do.....																	
Drugs and toiletries.....do.....																	
Foods, soft drinks, confectionery.....do.....																	
Beer, wine, liquors.....do.....																	
Household equip., supplies, furnishings.....do.....																	
Industrial materials.....do.....																	
Soaps, cleansers, etc.....do.....																	
Smoking materials.....do.....																	
All other.....do.....																	
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):																	
Total.....mil. \$.	26,989	29,412	2,089	2,457	2,516	2,666	2,396	2,274	2,494	2,469	2,653	2,828	2,507	2,165	.....		
Classified.....do.....	9,803	10,691	778	924	907	996	907	911	993	919	969	898	717	845	.....		
National.....do.....	3,376	3,494	262	304	302	346	292	250	272	309	319	334	240	284	.....		
Retail.....do.....	14,311	15,227	1,049	1,229	1,307	1,325	1,197	1,114	1,229	1,241	1,370	1,600	1,549	1,036	.....		
<b>WHOLESALE TRADE †</b>																	
Merchant wholesalers sales (unadj.), total.....mil. \$.	1,392,313	1,520,827	112,842	128,109	127,622	126,672	130,275	127,653	126,500	132,110	137,621	126,896	132,747	118,752	125,066	.....	
Durable goods establishments.....do.....	681,177	739,277	53,927	62,297	62,691	60,643	64,887	62,536	61,887	65,226	69,006	61,096	62,725	54,944	59,114	.....	
Nondurable goods establishments.....do.....	711,136	781,550	58,915	65,812	64,981	66,029	65,388	65,067	64,663	66,884	68,616	65,800	70,022	63,808	65,952	.....	
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total.....mil. \$.	153,571	165,819	155,498	156,276	156,484	157,255	158,425	157,211	154,651	158,624	163,892	164,406	165,819	168,783	170,805	.....	
Durable goods establishments.....do.....	100,212	107,257	100,944	102,775	103,587	105,611	105,703	105,052	103,882	104,729	107,150	106,314	107,257	109,662	111,337	.....	
Nondurable goods establishments.....do.....	53,359	58,562	54,549	53,501	52,897	51,644	52,722	52,159	51,269	53,895	56,742	58,092	58,562	59,121	59,468	.....	
<b>RETAIL TRADE ‡</b>																	
All retail stores:																	
Estimated sales (unadj.), total.....mil. \$.	1,437,497	1,510,579	105,093	119,818	124,739	128,689	128,987	129,258	131,536	124,515	128,298	126,897	157,189	113,639	114,785	129,664	.....
Durable goods stores #.....do.....	538,618	559,105	38,199	45,233	47,370	48,262	50,834	50,037	50,627	47,675	46,755	44,732	53,526	41,293	44,181	50,601	.....
Building materials, hardware, garden supply, and mobile home dealers.....mil. \$.	75,842	78,005	7,479	6,001	6,787	7,309	7,372	7,234	7,080	6,890	7,172	6,859	6,215	4,852	5,197	6,398	.....
Automotive dealers.....do.....	320,336	326,850	22,936	27,913	29,022	28,985	31,122	30,477	30,918	28,512	27,028	24,517	25,618	24,942	27,448	31,908	.....
Furniture, home furnishings, and equipment.....do.....	80,347	84,148	5,946	6,598	6,470	6,642	6,789	6,997	7,116	6,929	7,075	7,399	7,729	6,577	6,545	6,931	.....
Non durable goods stores.....do.....	898,879	951,474	66,894	74,585	77,369	80,427	78,158	79,221	80,909	76,840	81,543	82,165	103,663	72,346	70,604	79,063	.....
General merch. group stores.....do.....	165,074	175,885	10,301	12,566	13,722	14,642	13,577	12,883	14,555	13,268	14,826	17,533	28,182	10,318	10,610	13,600	.....
Food stores.....do.....	301,762	314,287	23,380	25,219	25,745	27,125	26,419	27,658	26,707	25,867	26,895	25,431	28,287	25,682	24,434	26,570	.....
Gasoline service stations.....do.....	97,277	103,154	7,283	8,088	8,469	8,788	9,015	9,377	9,348	8,845	9,012	8,595	8,817	8,316	7,956	8,457	.....
Apparel and accessory stores.....do.....	74,765	79,069	4,887	6,041	6,592	6,416	6,115	5,894	6,823	6,403	6,748	7,132	11,112	5,103	4,887	6,363	.....
Eating and drinking places.....do.....	135,308	147,645	10,715	11,889	12,262	12,906	12,830	13,197	13,290	12,223	12,699	11,986	12,574	11,518	11,381	12,328	.....
Drug and proprietary stores.....do.....	51,631	56,000	4,145	4,887	4,535	4,599	4,582	4,582	4,468	4,733	4,640	6,342	4,619	4,713	5,052	.....	
Liquor stores.....do.....	19,635	19,506	1,357	1,439	1,504	1,635	1,705	1,635	1,562	1,635	1,638	2,314	1,443	1,887	.....		
Estimated sales (seas. adj.), total.....do.....			123,292	124,105	124,744	124,775	126,511	127,230	129,981	127,815	128,808	127,248	128,615	128,769	129,579	130,660	.....
Durable goods stores #.....do.....			44,883	45,785	46,028	45,683	46,984	47,579	49,614	47,948	46,889	47,067	48,000	48,689	49,649	49,902	.....
Bldg. materials, hardware, garden supply, and mobile home dealers #.....mil. \$.			6,454	6,543	6,345	6,416	6,377	6,455	6,496	6,569	6,615	6,605	6,582	6,558	6,753	6,785	.....
Building materials and supply stores.....do.....			4,718	4,758	4,646	4,706	4,787	4,829	4,923	4,969	4,929	4,965	4,844	4,841	4,967	.....	
Hardware stores.....do.....			1,157	1,200	1,181	1,160	1,105	1,163	1,148	1,177	1,238	1,208	1,204	1,152	1,190	.....	
Automotive dealers.....do.....			25,760	26,717	26,927	26,605	27,788	28,109	30,175	28,465	27,673	27,499	28,220	28,935	29,513		

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

Units	Annual		1987												1988	
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>DOMESTIC TRADE—Continued</b>																
<b>RETAIL TRADE</b> <sup>t</sup> —Continued																
All retail stores—Continued																
Estimated sales (seas. adj.)—Continued																
Nondurable goods stores.....	....	....	\$78,409	\$78,820	\$78,716	\$79,092	\$79,527	\$79,651	\$80,887	\$79,867	\$79,919	\$80,181	\$80,615	\$80,080	\$79,930	\$80,758
General merch. group stores.....	do	do	14,597	14,328	14,401	14,617	14,576	14,507	14,788	14,580	14,742	14,805	15,035	14,953	14,568	14,807
Department stores excluding leased departments.....	do	do	12,096	11,892	11,950	12,111	12,094	12,162	12,309	12,166	12,322	12,403	12,548	12,526	12,199	12,477
Variety stores.....	do	do	732	704	706	697	687	688	700	692	700	711	693	695	695	695
Food stores.....	do	do	25,989	25,999	26,126	26,214	26,394	26,272	26,554	26,341	26,809	26,259	26,309	26,169	26,336	26,638
Grocery stores.....	do	do	24,481	24,527	24,645	24,731	24,865	24,711	24,996	24,791	24,774	24,739	24,787	24,622	24,809	25,101
Gasoline service stations.....	do	do	8,192	8,407	8,598	8,549	8,602	8,805	8,945	8,872	8,801	8,761	8,687	8,754	8,648	8,778
Apparel and accessory stores #.....	do	do	6,565	6,702	6,473	6,456	6,602	6,650	6,667	6,680	6,637	6,594	6,708	6,514	6,451	6,473
Men's and boys' clothing and furnishings stores.....	do	do	753	752	737	730	761	759	760	762	774	722	777	783	772	772
Women's clothing, specialty stores, and furriers.....	do	do	2,632	2,600	2,569	2,588	2,616	2,613	2,649	2,620	2,603	2,578	2,597	2,582	2,537	2,537
Shoe stores.....	do	do	1,212	1,275	1,175	1,180	1,219	1,218	1,233	1,205	1,188	1,209	1,276	1,175	1,169	1,169
Eating and drinking places.....	do	do	12,302	12,104	12,165	12,210	12,289	12,231	12,284	12,353	12,604	12,791	12,547	12,576	12,508	12,508
Drug and proprietary stores.....	do	do	4,540	4,523	4,581	4,636	4,668	4,685	4,709	4,768	4,786	4,803	4,764	4,832	4,972	5,052
Liquor stores.....	do	do	1,627	1,597	1,614	1,647	1,610	1,616	1,625	1,629	1,637	1,651	1,642	1,589	1,622	1,622
Estimated inventories, end of period:																
Book value (non-LIFO basis), (unadjusted), total.....	....	....	\$180,530	\$205,138	\$188,520	\$195,467	\$197,584	\$197,511	\$199,007	\$199,470	\$197,390	\$201,518	\$215,174	\$219,614	\$205,188	\$202,371
Durable goods stores #.....	do	do	\$89,850	\$106,689	\$96,358	\$99,900	\$100,042	\$101,171	\$102,192	\$100,428	\$96,205	\$96,303	\$104,172	\$108,022	\$106,689	\$105,243
Bldg. materials, hardware, garden supply, and mobile home dealers.....	do	do	13,339	14,503	14,155	14,708	14,787	15,306	15,359	15,054	15,119	14,759	14,602	14,545	14,503	14,701
Automotive dealers.....	do	do	45,529	57,740	52,049	54,287	53,478	53,640	54,377	52,574	47,907	47,014	52,627	55,368	57,740	56,611
Furniture, home furnishings, and equipment.....	do	do	15,199	16,881	14,716	14,816	15,116	15,362	15,469	15,567	15,818	16,578	17,554	17,707	16,881	16,576
Nondurable goods stores #.....	do	do	90,680	98,449	92,162	95,567	97,542	96,340	96,815	99,042	101,185	105,215	111,002	111,592	98,449	97,128
General merch. group stores.....	do	do	31,280	33,401	32,702	34,015	35,160	36,087	33,820	35,145	36,017	38,049	41,383	41,587	33,401	33,220
Department stores.....	do	do	24,559	26,032	25,451	26,520	27,578	26,714	26,359	27,392	28,080	29,688	32,482	32,734	26,032	25,769
Food stores.....	do	do	20,044	20,581	19,739	20,064	20,078	20,034	20,363	20,211	20,060	20,151	20,773	21,113	20,581	20,426
Apparel and accessory stores.....	do	do	14,625	17,471	15,573	16,783	17,168	17,146	17,035	17,755	18,881	19,705	20,554	20,925	17,471	16,852
Book value (non-LIFO basis), (seas. adj.), total.....	do	do	185,996	211,100	190,282	193,186	194,576	196,806	200,424	202,210	202,684	203,708	206,577	208,260	211,100	209,691
Durable goods stores #.....	do	do	91,085	107,948	94,507	96,162	96,352	98,712	100,716	101,590	101,569	102,394	104,846	106,490	107,948	106,550
Bldg. materials, hardware, garden supply, and mobile home dealers.....	do	do	13,997	15,234	14,255	14,849	14,191	14,774	15,162	14,964	15,074	14,863	14,675	14,872	15,284	15,266
Furniture, home furn., and equip.....	do	do	45,267	57,312	48,983	50,177	51,419	52,620	53,384	53,292	53,755	55,680	57,312	55,918	55,918	55,918
Nondurable goods stores #.....	do	do	15,260	16,932	15,171	15,118	15,288	15,486	15,547	15,852	15,946	16,414	16,670	16,673	16,982	17,001
General merch. group stores.....	do	do	94,911	103,152	95,775	97,024	98,224	98,094	99,708	100,620	101,115	101,314	101,731	101,770	103,152	103,141
Department stores.....	do	do	34,405	36,742	34,971	35,201	34,629	35,271	35,796	35,743	35,800	36,241	36,259	36,742	36,939	36,939
Food stores.....	do	do	26,870	28,481	27,191	27,144	27,441	26,957	27,515	28,066	28,052	28,082	28,568	28,390	28,481	28,760
Apparel and accessory stores.....	do	do	19,803	20,334	19,983	20,134	20,214	20,251	20,439	20,531	20,536	20,318	20,253	20,188	20,334	20,453
Estimated sales with 11 or more stores:																
Estimated sales (unadj.), total.....	....	....	\$154,148	\$189,081	\$188,084	\$193,839	\$195,774	\$197,524	\$195,665	\$195,913	\$197,817	\$201,201	\$208,517	\$200,998	\$207,238	\$211,120
Durable goods stores #.....	do	do	59,789	67,665	41,158	5,024	5,287	5,471	5,510	5,494	5,667	5,444	5,663	6,223	7,949	4,671
Auto and home supply stores.....	do	do	6,744	7,185	4,595	573	630	641	634	639	615	642	596	618	513	513
Nondurable goods stores #.....	do	do	474,359	502,436	39,926	38,815	40,537	42,058	40,155	40,419	42,160	39,757	42,864	44,775	60,744	36,449
General merchandise group stores.....	do	do	153,110	162,289	9,457	11,601	12,623	13,476	12,490	11,792	13,424	12,222	13,642	16,271	26,264	9,485
Food stores.....	do	do	171,121	179,635	13,358	14,448	14,726	15,401	14,769	15,663	15,010	14,614	15,635	14,700	16,580	15,027
Grocery stores.....	do	do	168,343	176,918	13,139	14,230	14,497	15,188	14,569	15,451	14,806	14,416	15,323	14,489	16,199	14,820
Apparel and accessory stores.....	do	do	39,002	42,405	2,440	3,226	3,553	3,402	3,253	3,098	3,766	3,425	3,598	3,946	6,277	2,531
Eating places.....	do	do	34,976	37,486	2,776	3,089	3,141	3,264	3,228	3,365	3,405	3,052	3,217	2,970	3,106	2,925
Drug stores and proprietary stores.....	do	do	30,030	32,868	2,401	2,570	2,679	2,686	2,660	2,644	2,652	2,566	2,684	2,730	4,037	2,712
Estimated sales (sea. adj.), total # .....	do	do	46,756	46,723	46,837	46,886	46,886	47,289	47,417	47,417	48,081	47,628	48,015	48,070	48,404	48,477
Auto and home supply stores.....	do	do	589	606	612	613	608	600	611	602	586	579	588	611	611	611
Department stores excluding leased departments.....	do	do	11,735	11,507	11,610	11,746	11,704	11,791	11,916	11,787	11,968	12,031	12,182	12,198		
Variety stores.....	do	do	555	553	556	551	548	554	558	561	565	568	565	569	548	
Grocery stores.....	do	do	14,470	14,595	14,629	14,689	14,796	14,800	15,062	14,740	14,964	14,922	14,902	14,894		
Apparel and accessory stores.....	do	do	3,484	3,601	3,473	3,485	3,541	3,576	3,564	3,570	3,597	3,554	3,553	3,539		
Women's clothing, specialty stores, and furriers.....	do	do	1,422	1,415	1,408	1,443	1,430	1,428	1,443	1,424	1,424	1,412	1,414	1,435		
Shoe stores.....	do	do	723	802	715	709	745	742	754	749	721	734	751	717		
Drug stores and proprietary stores.....	do	do	2,683	2,691	2,736	2,721	2,737	2,734	2,743	2,771	2,773	2,814	2,769	2,870		

#### LABOR FORCE, EMPLOYMENT, AND EARNINGS

LABOR FORCE AND POPULATION															
Not Seasonally Adjusted															



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

Units	Annual		1987												1988			
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		

## LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

## LABOR FORCE—Continued

## Seasonally Adjusted ♦

## Civilian labor force—Continued

## Unemployed—Continued

Rate unemployed in each group as percent of civilian labor force in the group:

All civilian workers.....	7.0	6.2	6.6	6.5	6.3	6.3	6.1	6.0	6.0	5.9	6.0	5.9	5.8	5.8	5.7	5.6
Men, 20 years and over.....	6.1	5.4	5.8	5.7	5.6	5.6	5.5	5.4	5.2	5.0	5.1	5.0	4.9	5.1	4.9	4.9
Women, 20 years and over.....	6.2	5.4	5.8	5.7	5.5	5.4	5.3	5.4	5.3	5.4	5.2	5.2	5.1	5.2	4.8	4.8
Both sexes, 16-19 years.....	18.3	16.9	17.9	17.8	17.3	17.6	16.0	15.8	16.2	16.4	17.2	16.6	16.1	16.0	15.4	16.5
White.....	6.0	5.3	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.2	5.1	4.9	5.0	4.8	4.7
Black.....	14.5	13.0	14.0	13.9	13.0	13.7	12.8	12.7	12.4	12.3	12.1	12.2	12.2	12.2	12.6	12.8
Hispanic origin.....	10.6	8.8	9.6	9.1	9.2	8.8	8.6	8.1	8.1	8.2	8.3	9.0	8.1	7.2	8.3	8.2
Married men, spouse present.....	4.4	3.9	4.1	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.5	3.4	3.6	3.4	3.4	3.4
Married women, spouse present.....	5.2	4.3	4.8	4.5	4.4	4.2	4.0	4.2	4.3	4.2	4.2	4.3	4.2	4.1	4.0	4.0
Women who maintain families.....	9.8	9.2	9.6	9.7	9.4	9.5	9.5	9.3	9.0	8.8	8.9	8.5	8.4	8.9	8.3	7.5

## Industry of last job:

Private nonagricultural wage and salary workers.....	7.0	6.2	6.6	6.5	6.3	6.3	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.8	5.7	5.6
Construction.....	13.1	11.6	11.7	12.4	12.0	12.1	11.7	10.8	11.3	11.9	11.2	10.6	10.6	12.2	11.0	10.7
Manufacturing.....	7.1	6.0	6.8	6.7	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.3	5.1	5.6	5.6	5.2
Durable goods.....	6.9	5.8	6.7	6.6	6.2	6.2	5.4	6.0	5.5	5.4	5.2	4.8	4.8	5.5	5.9	5.2
Agricultural wage and salary workers.....	12.5	10.5	11.0	10.8	9.5	9.4	9.3	10.9	10.6	8.6	10.6	11.1	10.9	11.5	10.2	11.0

## Not Seasonally Adjusted

Occupation:	2.4	2.3	2.5	2.2	2.1	2.2	2.4	2.5	2.4	2.4	2.2	2.0	2.1	2.1	2.0	1.6
Managerial and professional specialty.....																
Technical, sales, and administrative support.....	4.7	4.3	4.6	4.8	4.3	4.2	4.5	4.3	4.4	4.4	4.2	4.1	3.6	4.4	4.1	4.1
Service occupations.....	8.6	7.7	8.5	8.0	7.6	7.3	7.9	7.5	7.6	7.5	7.3	7.5	7.0	8.0	7.0	7.0
Precision production, craft, and repair.....	7.2	6.1	7.9	7.3	6.5	6.1	5.9	5.4	5.2	5.1	4.9	5.2	6.9	6.9	6.8	6.8
Operators, fabricators, and laborers.....	10.9	9.4	12.1	11.5	9.8	9.4	8.4	8.9	8.1	7.8	8.3	8.3	8.7	10.4	10.3	9.8
Farming, forestry, and fishing.....	7.8	7.1	10.5	9.7	6.5	4.4	5.1	5.6	5.7	5.8	6.8	8.4	8.7	10.3	9.5	8.6

## EMPLOYMENT \$

Employees on payrolls of nonagricultural estab.: Total, not adjusted for seas. variation.....	99,610	102,112	99,792	100,462	101,381	102,140	102,704	101,947	102,152	102,955	103,787	104,124	104,373	102,388	102,951	\$103,698
Private sector (excl. government).....	82,900	85,049	82,587	83,152	84,030	84,778	85,610	85,752	86,107	86,181	86,392	86,577	86,835	85,136	85,376	\$86,009

## Seasonally Adjusted

Total employees, nonagricultural payrolls.....	99,610	102,112	101,150	101,329	101,598	101,708	101,818	102,126	102,275	102,434	102,983	103,285	103,612	103,827	104,344	\$104,606
Private sector (excl. government).....	82,900	85,049	84,215	84,352	84,560	84,677	84,787	85,106	85,329	85,386	85,795	86,072	86,341	86,560	87,040	\$87,253
Nonmanufacturing industries.....	63,906	65,987	65,229	65,357	65,549	65,659	65,772	66,002	66,100	66,217	66,548	66,736	66,959	67,159	67,622	\$67,836
Goods-producing.....	24,681	24,884	24,743	24,749	24,759	24,752	24,761	24,850	24,886	24,917	25,064	25,189	25,259	25,205	25,342	\$25,426
Mining.....	783	741	719	722	729	735	744	751	759	764	756	746	749	749	749	\$755
Construction.....	4,904	5,031	5,038	5,032	5,019	4,999	5,008	5,002	5,006	4,989	5,053	5,074	5,121	5,058	5,175	\$5,254
Manufacturing.....	18,994	19,112	18,986	18,995	19,011	19,018	19,015	19,104	19,129	19,169	19,247	19,386	19,401	19,418	19,417	
Durable goods.....	11,244	11,237	11,179	11,176	11,175	11,175	11,176	11,195	11,243	11,268	11,319	11,367	11,403	11,412	11,414	
Lumber and wood products.....	711	739	733	734	736	738	735	740	736	740	741	750	753	753	753	\$748
Furniture and fixtures.....	497	513	501	502	504	509	510	518	518	520	524	530	533	533	533	\$530
Stone, clay, and glass products.....	586	584	588	586	586	584	582	582	582	581	583	588	585	588	588	\$587
Primary metal industries.....	753	750	733	739	743	742	746	750	754	764	768	771	771	768	770	\$769
Fabricated metal products.....	1,431	1,428	1,419	1,419	1,423	1,420	1,424	1,424	1,425	1,429	1,438	1,446	1,451	1,452	1,455	\$1,456
Machinery, except electrical.....	2,060	2,039	2,018	2,015	2,022	2,025	2,028	2,032	2,034	2,044	2,053	2,064	2,074	2,085	2,097	\$2,112
Electric and electronic equip.....	2,123	2,100	2,106	2,099	2,092	2,087	2,080	2,088	2,095	2,111	2,118	2,128	2,130	2,130	2,131	
Transportation equipment.....	2,015	2,015	2,022	2,022	2,011	2,011	2,010	2,011	2,011	2,018	2,019	2,016	2,016	2,005	2,000	\$2,000
Instruments and related products.....	707	695	695	694	694	693	693	695	695	697	701	701	702	702	703	
Miscellaneous manufacturing.....	362	369	364	366	364	366	368	370	371	374	377	376	378	378	378	\$378
Nondurable goods.....	7,750	7,875	7,807	7,819	7,836	7,843	7,839	7,909	7,881	7,901	7,928	7,969	7,979	7,998	8,006	\$8,003
Food and kindred products.....	1,617	1,636	1,630	1,635	1,642	1,633	1,644	1,644	1,682	1,631	1,635	1,645	1,645	1,661	1,660	\$1,653
Tobacco manufactures.....	59	56	58	57	56	57	57	57	56	55	55	56	56	57	56	\$55
Textile mill products.....	705	730	722	725	724	727	729	736	732	735	736	738	738	738	738	\$736
Apparel and other textile products.....	1,106	1,113	1,101	1,103	1,104	1,107	1,108	1,130	1,110	1,117	1,123	1,128	1,121	1,117	1,115	\$1,115
Paper and allied products.....	674	678	679	678	677	677	676	678	677	681	678	680	681	681	682	\$681
Printing and publishing.....	1,457	1,501	1,483	1,485	1,493	1,497	1,498	1,504	1,508	1,509						

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

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued</b>																	
<b>EMPLOYMENT \$—Continued</b>																	
Seasonally Adjusted																	
Production or nonsupervisory workers—Continued																	
Nondurable goods....	thous.	5,463	5,564	5,518	5,526	5,533	5,537	5,537	5,595	5,563	5,578	5,599	5,629	5,644	5,662	5,671	\$5,666
Food and kindred products....	do	1,136	1,152	1,150	1,154	1,158	1,153	1,153	1,159	1,146	1,144	1,150	1,169	1,160	1,174	1,175	\$1,169
Tobacco manufactures....	do	45	42	44	44	43	44	42	43	42	41	40	41	42	43	42	\$41
Textile mill products....	do	610	634	627	630	628	631	633	640	636	638	639	641	641	639	642	\$641
Apparel and other textile products....	do	931	934	925	926	929	927	930	950	930	938	943	948	943	941	939	\$937
Paper and allied products....	do	511	515	516	515	514	513	513	515	514	517	515	516	517	517	519	\$519
Printing and publishing....	do	817	841	833	832	832	836	839	841	845	846	849	853	856	862	863	\$871
Chemicals and allied products....	do	568	575	569	570	569	572	568	576	579	580	584	589	589	590	592	\$592
Petroleum and coal products....	do	106	107	106	106	106	107	108	107	108	108	109	108	110	109	109	\$109
Rubber and plastics products, nec....	do	614	635	625	626	629	629	629	633	636	639	647	652	658	660	659	\$659
Leather and leather products....	do	124	126	123	123	125	125	131	127	128	128	128	128	128	128	128	\$128
Service-producing.....	do	49,769	51,308	50,770	50,888	51,044	51,128	51,221	51,402	51,475	51,530	51,731	51,856	52,048	52,249	52,533	\$52,635
Transportation and public utilities....	do	4,335	4,458	4,401	4,419	4,428	4,429	4,439	4,449	4,465	4,497	4,514	4,532	4,533	4,548	4,563	\$4,582
Wholesale trade....	do	4,601	4,637	4,611	4,617	4,622	4,628	4,632	4,641	4,642	4,644	4,653	4,673	4,690	4,709	4,724	\$4,745
Retail trade....	do	15,891	16,233	16,141	16,132	16,189	16,198	16,246	16,246	16,257	16,346	16,360	16,384	16,519	16,602	16,757	
Finance, insurance, and real estate....	do	4,655	4,844	4,806	4,828	4,840	4,844	4,851	4,853	4,861	4,861	4,862	4,858	4,878	4,879	4,876	\$4,876
Services.....	do	20,288	21,137	20,811	20,892	20,965	21,039	21,104	21,213	21,265	21,271	21,356	21,433	21,563	21,594	21,768	\$21,855
<b>AVERAGE HOURS PER WEEK \$</b>																	
Seasonally Adjusted																	
Avg. weekly hours per worker on private nonag. payrolls: □																	
Not seasonally adjusted....hours		34.8	34.8	34.5	34.6	34.6	34.8	35.0	35.1	35.3	34.7	34.9	34.9	34.9	34.4	34.5	\$34.4
Seasonally adjusted....do		34.9	34.8	34.7	34.9	34.8	34.8	34.8	34.9	34.9	34.6	34.9	34.9	34.6	34.8	34.8	\$34.6
Mining †....	do	42.2	42.3	42.0	41.8	41.8	42.4	42.4	42.1	42.4	42.7	42.3	42.8	41.9	41.5	41.1	\$41.1
Construction †....	do	37.4	37.7	36.8	37.4	37.4	38.5	38.1	38.6	38.6	38.8	37.1	37.6	36.0	36.2	37.6	
Manufacturing:																	
Not seasonally adjusted....do		40.7	41.0	40.8	40.9	40.4	40.9	41.1	40.6	40.9	40.8	41.3	41.4	41.8	41.0	40.7	\$40.9
Seasonally adjusted....do		41.1	40.9	40.6	40.6	41.0	41.0	41.0	41.0	40.6	41.3	41.2	41.0	41.2	41.0	40.9	
Overtime hours....do		3.4	3.7	3.6	3.6	3.5	3.8	3.7	3.8	3.8	3.6	4.0	3.9	3.8	3.7	3.7	
Durable goods....	do	41.3	41.5	41.7	41.5	41.2	41.6	41.5	41.6	41.6	41.0	41.9	41.5	41.7	41.5	41.5	\$41.5
Overtime hours....do		3.5	3.8	3.7	3.7	3.6	3.9	3.8	3.8	3.7	4.1	4.0	3.9	4.0	3.8	3.8	
Lumber and wood products....	do	40.3	40.6	41.3	40.9	40.6	41.0	40.6	40.6	40.4	39.4	40.4	40.8	40.4	40.1	40.4	\$40.0
Furniture and fixtures....	do	39.8	39.9	40.2	40.0	39.1	39.9	40.0	40.0	40.1	39.3	40.0	39.8	39.4	39.5	39.0	
Stone, clay, and glass products....	do	42.2	42.3	42.8	42.5	41.9	42.3	42.0	42.2	42.1	41.9	42.6	42.5	42.0	42.3	42.3	\$42.3
Primary metal industries....	do	41.9	43.1	42.6	42.6	42.3	43.1	43.1	43.4	43.5	43.7	43.6	43.5	43.2	43.3	43.3	\$43.3
Fabricated metal products....	do	41.3	41.5	41.6	41.5	41.2	41.6	41.5	41.4	41.5	40.8	42.0	41.7	41.9	41.5	41.5	
Machinery, except electrical....	do	41.6	42.2	42.0	41.8	42.2	42.2	42.4	42.4	42.2	41.6	42.6	42.7	42.5	42.8	42.6	\$42.4
Electric and electronic equipment....	do	41.0	40.9	41.1	40.9	40.6	40.8	41.1	41.1	41.0	40.4	41.1	40.9	41.2	40.9	41.1	\$41.1
Transportation equipment....	do	42.3	42.1	42.5	42.3	41.9	42.2	41.9	41.7	41.9	41.3	42.5	42.4	42.4	42.3	42.0	
Instruments and related products....	do	41.0	41.4	41.3	41.3	41.0	41.5	41.5	41.6	41.7	41.1	42.1	41.7	41.3	41.9	41.3	\$41.2
Miscellaneous manufacturing †....	do	39.6	39.3	39.2	39.3	38.8	39.2	39.3	38.8	39.4	39.0	40.0	39.6	39.8	38.9	38.8	\$38.9
Nondurable goods....	do	39.9	40.2	40.3	40.1	39.7	40.2	40.2	40.3	40.3	40.1	40.5	40.4	40.4	40.4	40.4	\$40.1
Overtime hours....do		3.3	3.6	3.5	3.5	3.3	3.7	3.6	3.7	3.7	3.6	3.8	3.7	3.6	3.8	3.6	\$3.5
Food and kindred products....	do	40.0	40.2	40.1	40.0	39.8	40.1	40.1	39.9	40.3	40.2	40.5	40.6	40.6	40.8	40.4	\$40.2
Tobacco manufactures †....	do	37.4	38.5	36.2	38.1	37.6	39.3	40.1	35.5	36.1	38.9	41.2	40.5	40.5	39.2	38.3	\$36.9
Textile mill products....	do	41.1	41.9	42.0	42.1	41.4	42.0	42.1	42.4	42.1	41.9	41.8	41.7	41.7	41.7	41.3	\$41.3
Apparel and other textile products....	do	36.7	37.1	37.4	37.0	36.1	37.2	37.1	37.3	37.4	36.3	37.4	37.1	37.2	36.9	37.0	\$37.0
Paper and allied products....	do	43.2	43.4	43.3	43.0	43.0	43.5	43.3	43.5	43.4	43.8	43.7	43.5	43.2	43.6	43.3	\$43.3
Printing and publishing....	do	38.0	38.0	38.1	37.9	37.7	37.9	38.1	38.1	37.9	38.0	38.0	38.0	38.0	38.0	38.0	\$38.0
Chemicals and allied products....	do	41.9	42.3	42.2	42.0	42.2	42.1	42.0	42.2	42.4	42.4	42.7	42.7	42.7	42.5	42.5	\$42.5
Petroleum and coal products....	do	43.8	43.9	44.0	44.1	43.9	44.3	43.3	44.4	43.3	43.2	43.5	43.6	44.3	44.2	43.4	\$43.5
Rubber and plastics products, nec....	do	41.3	41.6	41.5	41.5	40.9	41.5	41.8	41.0	41.4	41.4	42.1	42.5	42.5	41.7	41.7	\$41.7
Leather and leather products †....	do	36.9	38.1	37.2	37.5	36.7	38.6	39.3	38.6	39.8	37.7	38.7	38.3	38.5	37.7	36.9	\$37.6
Transportation and public utilities....	do	39.2	39.1	39.2	39.0	39.0	39.2	38.8	39.2	39.3	39.1	39.3	39.1	39.0	39.4	39.0	\$38.6
Wholesale trade....	do	38.4	38.2	38.3	38.1	38.2	38.3	38.2	38.3	38.1	38.0	38.4	38.3	38.1	38.2	38.3	\$38.0
Retail trade....	do	29.2	29.3	29.3	29.5	29.5	29.4	29.2	29.3	29.6	29.6	29.2	29.2	28.8	28.8	29.0	\$28.9
Finance, insurance, and real estate....	do	36.4	36.2	36.4	36.3	36.3	36.3	36.4	36.4	36.2	36.4	36.0	36.3	36.2	36.3	36.0	\$36.3
Services.....	do	32.5	32.5	32.6	32.5	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.4	32.6	32.4	\$32.4
<b>AGGREGATE EMPLOYEE-HOURS \$</b>																	
Seasonally Adjusted																	
Employee-hours, wage & salary workers in non-agric. establish, for 1 week in the month, seas adj. at annual rate....bil. hours.		185.39</td															

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987												1988			
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued</b>																			
<b>HOURLY AND WEEKLY EARNINGS \$</b>																			
Average hourly earnings per worker: ♦																			
Not seasonally adjusted:																			
Private nonagric. payrolls.....	dollars..	8.76	8.98	8.92	8.92	8.91	8.93	8.92	8.91	8.94	9.06	9.09	9.14	9.13	9.18	9.18	\$9.20		
Mining.....	do.....	12.44	12.45	12.56	12.51	12.43	12.42	12.44	12.31	12.32	12.43	12.34	12.47	12.50	12.69	12.62	\$12.58		
Construction.....	do.....	12.47	12.66	12.51	12.59	12.55	12.60	12.61	12.57	12.67	12.77	12.79	12.80	12.78	12.93	12.76	\$12.82		
Manufacturing.....	do.....	9.73	9.91	9.84	9.85	9.87	9.87	9.87	9.87	9.86	10.00	9.95	10.01	10.08	10.07	10.06	\$10.08		
Excluding overtime.....	do.....	9.34	9.48	9.44	9.44	9.48	9.45	9.44	9.46	9.42	9.58	9.49	9.54	9.60	9.63	9.64	\$9.65		
Durable goods.....	do.....	10.29	10.45	10.39	10.39	10.40	10.42	10.40	10.40	10.42	10.53	10.51	10.57	10.63	10.62	10.61	\$10.63		
Excluding overtime.....	do.....	9.87	10.00	9.96	9.95	9.98	9.96	9.96	9.97	9.95	10.05	10.02	10.07	10.11	10.15	10.15	\$10.17		
Lumber and wood products.....	do.....	8.83	8.40	8.31	8.28	8.34	8.37	8.44	8.46	8.49	8.48	8.44	8.49	8.45	8.52	8.53	\$8.47		
Furniture and fixtures.....	do.....	7.46	7.67	7.58	7.58	7.58	7.64	7.66	7.67	7.74	7.75	7.73	7.73	7.79	7.82	\$7.80			
Stone, clay, and glass products.....	do.....	10.05	10.27	10.15	10.13	10.23	10.26	10.29	10.33	10.31	10.40	10.31	10.34	10.33	10.37	\$10.36			
Primary metal industries.....	do.....	11.86	11.98	11.78	11.82	11.96	11.96	11.97	11.97	11.98	12.24	12.05	12.08	12.15	12.10	\$12.12			
Fabricated metal products.....	do.....	9.89	10.03	9.99	9.99	9.98	9.97	10.00	9.95	9.97	10.04	10.11	10.15	10.24	\$10.17	\$10.19			
Machinery, except electrical, electric and electronic equip.....	do.....	10.59	10.77	10.68	10.72	10.70	10.70	10.76	10.74	10.76	10.81	10.86	10.89	10.96	10.92	\$10.88	\$10.91		
Transportation equipment.....	do.....	12.81	12.96	12.88	12.86	12.80	12.85	12.88	12.88	12.90	13.07	13.09	13.18	13.26	\$13.19	13.20	\$13.25		
Instruments and related products.....	do.....	9.47	9.74	9.67	9.67	9.67	9.69	9.70	9.74	9.78	9.80	9.81	9.87	9.88	\$9.97	\$9.98	\$9.98		
Miscellaneous manufacturing.....	do.....	7.54	7.74	7.68	7.66	7.67	7.72	7.74	7.72	7.70	7.76	7.77	7.81	7.91	\$7.97	\$7.90	\$7.92		
Nondurable goods.....	do.....	8.94	9.16	9.08	9.09	9.14	9.13	9.11	9.16	9.12	9.28	9.18	9.24	9.30	\$9.30	\$9.29	\$9.31		
Excluding overtime.....	do.....	8.58	8.77	8.72	8.79	8.75	8.72	8.72	8.77	8.70	8.83	8.76	8.82	8.88	\$8.90	\$8.92	\$8.93		
Food and kindred products.....	do.....	8.74	8.92	8.91	8.93	8.95	8.96	8.91	8.88	8.80	8.92	8.86	8.96	9.05	9.05	9.05	\$9.06		
Tobacco manufactures.....	do.....	12.85	13.81	13.44	13.80	14.28	14.53	15.57	14.20	12.89	12.77	13.44	13.56	\$13.70	\$13.89	\$14.15			
Textile mill products.....	do.....	6.93	7.18	7.11	7.12	7.12	7.13	7.15	7.14	7.16	7.23	7.24	7.31	7.33	\$7.36	\$7.32	\$7.34		
Apparel and other textile products.....	do.....	5.84	5.95	5.93	5.93	5.94	5.89	5.91	5.89	5.90	6.01	5.99	6.00	6.01	\$6.02	\$6.04			
Paper and allied products.....	do.....	11.18	11.42	11.26	11.27	11.37	11.40	11.41	11.48	11.41	11.67	11.48	11.50	11.54	\$11.52	\$11.49			
Printing and publishing.....	do.....	9.99	10.28	10.16	10.17	10.14	10.19	10.19	10.25	10.31	10.48	10.42	10.39	10.44	\$10.41	\$10.42			
Chemicals and allied products.....	do.....	11.98	12.37	12.21	12.24	12.30	12.31	12.27	12.37	12.34	12.52	12.56	12.62	\$12.54	\$12.52				
Petroleum and coal products.....	do.....	14.18	14.57	14.51	14.50	14.52	14.43	14.48	14.52	14.71	14.66	14.75	14.72	\$14.83	\$14.94	\$15.03			
Rubber and plastics products, nec.....	do.....	8.73	8.88	8.79	8.80	8.82	8.84	8.87	8.93	8.90	8.98	8.91	8.93	9.00	8.97	8.97	\$8.98		
Leather and leather products.....	do.....	5.92	6.06	6.01	6.06	6.12	6.05	6.04	5.98	6.01	6.09	6.09	6.11	6.11	\$6.10	\$6.14			
Transportation and public utilities.....	do.....	11.70	12.01	11.98	11.90	11.94	11.95	11.91	12.00	12.04	12.09	12.09	12.17	12.11	\$12.17	\$12.16			
Wholesale trade.....	do.....	9.35	9.61	9.55	9.53	9.53	9.57	9.57	9.62	9.67	9.74	9.74	9.79	9.80	\$9.82				
Retail trade.....	do.....	6.03	6.12	6.09	6.08	6.09	6.09	6.08	6.07	6.06	6.20	6.16	6.19	6.25	\$6.24				
Finance, insurance, and real estate.....	do.....	8.35	8.76	8.66	8.67	8.69	8.74	8.68	8.69	8.81	8.79	8.81	8.94	8.87	\$9.00	\$9.04			
Services.....	do.....	8.16	8.47	8.43	8.41	8.40	8.38	8.35	8.38	8.40	8.55	8.61	8.71	8.73	\$8.79	\$8.80			
Seasonally adjusted:																			
Private nonagricultural payrolls.....	dollars..	8.76	8.98	8.88	8.91	8.91	8.95	8.94	8.96	9.02	9.02	9.08	9.12	9.11	\$9.15	\$9.13	\$9.19		
Mining.....	do.....	12.44	12.45	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Construction.....	do.....	12.47	12.66	12.48	12.62	12.61	12.65	12.72	12.67	12.71	12.68	12.84	12.65	12.87	\$12.83				
Manufacturing.....	do.....	9.73	9.91	9.81	9.83	9.86	9.88	9.88	9.87	9.93	10.02	10.00	10.01	10.02	\$10.08				
Transportation and public utilities.....	do.....	11.70	12.01	11.98	11.90	11.94	11.95	11.91	12.00	12.04	12.09	12.09	12.17	12.11	\$12.17				
Wholesale trade.....	do.....	9.35	9.61	9.55	9.53	9.53	9.57	9.57	9.62	9.67	9.74	9.74	9.79	9.80	\$9.82				
Retail trade.....	do.....	6.03	6.12	6.09	6.08	6.09	6.09	6.08	6.07	6.06	6.20	6.16	6.19	6.25	\$6.25				
Finance, insurance, and real estate.....	do.....	8.35	8.76	8.66	8.67	8.69	8.74	8.68	8.69	8.81	8.79	8.85	8.97	8.84	\$8.98				
Services.....	do.....	8.16	8.47	8.35	8.38	8.39	8.41	8.40	8.44	8.54	8.53	8.60	8.67	8.65	\$8.72	\$8.76			
Indexes of avg. hourly earnings, seas. adj.: ♦																			
Private nonfarm economy:																			
Current dollars.....	1977=100 ..	169.3	173.5	171.8	172.2	172.6	172.9	172.9	173.2	174.1	174.6	174.9	175.8	175.7	176.4	176.5	\$177.1		
1977 dollars †.....	do.....	95.0	94.0	94.6	94.4	94.2	94.0	93.8	93.7	93.8	93.6	93.8	93.7	93.6	\$93.6				
Mining †.....	do.....	181.4	182.3	181.7	181.4	181.3	181.6	182.1	181.8	181.6	182.3	184.1	183.7	185.0	\$184.8				
Construction.....	do.....	152.1	154.3	152.4	153.8	153.7	154.1	155.0	154.3	154.7	154.0	154.7	156.6	154.4	\$154.8				
Manufacturing.....	do.....	172.3	175.1	173.7	174.3	175.0	174.4	174.7	174.7	175.5	176.7	176.6	176.9	176.9	\$177.5				
Transportation and public utilities.....	do.....	171.0	176.0	174.3	174.6	175.2	176.2	176.5	176.4	177.0	176.6	177.1	177.4	177.9	\$178.4				
Wholesale trade †.....	do.....	172.5	177.2	176.0	175.8	175.9	176.7	176.4	176.6	177.4	178.5	179.6	179.7	180.3	\$181.0				
Retail trade.....	do.....	188.3	180.8	181.9	180.0	180.5	180.9	180.5	182.4	182.4	182.3	182.9	182.1	180.9	\$186.0	\$187.3			
Avg. weekly earnings per worker, private nonfarm: ♦																			
Current dollars, seasonally adjusted.....		304.85	312.50	309.91	310.07	309.18	312.36	311.11	311.81	314.80	312.09	316.89	318.29	315.21	\$318.42	\$317.97			
1977 dollars, seasonally adjusted †.....	do.....	171.07	169.28	170.66	169.99	168.67	169.85	168.71	168.64	169.43	167.61	169.55	169.94	168.02	\$168.46	\$167.97			
Current dollars, not seasonally adjusted:																			
Private nonfarm, total.....	dollars..	304.85	312.50	307.47	308.63	308.29	310.76	31											

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued</b>																			
<b>WORK STOPPAGES</b>																			
Work stoppages involving 1,000 or more workers:																			
Number of stoppages:																			
Beginning in month or year ..... number ..	68	46	5	8	2	3	8	5	8	7	1	6	0	8					
Workers involved in stoppages:																			
Beginning in month or year ..... thous ..	529	174	38	12	3	7	16	8	18	46	1	12	0	7					
Days idle during month or year ... do ..	12,140	4,481	794	104	151	223	295	483	361	1,155	353	223	159	37					
<b>UNEMPLOYMENT INSURANCE</b>																			
Unemployment insurance programs:																			
Insured unemployment, all programs, average weekly # @ ..... thous ..	2,746		3,155	2,933	2,526	2,216	2,108												
State programs (excluding extended duration provisions):																			
Initial claims ..... thous ..	19,673		1,476	1,384	1,356	1,144	1,300												
Insured unemployment, avg. weekly ..... do ..	2,650		3,048	2,839	2,456	2,155	2,051												
Percent of covered employment: @@																			
Unadjusted .....	2.8		3.2	3.0	2.6	2.3	2.1												
Seasonally adjusted .....			2.6	2.5	2.5	2.4	2.4												
Beneficiaries, average weekly ..... thous ..	2,337		2,753	2,664	2,304	1,903	1,862												
Benefits paid @ ..... mil. \$ ..	15,403		1,493	1,595	1,372	1,084	1,105												
Federal employees, insured unemployment, average weekly ..... thous ..	23		25	22	20	18	18												
Veterans' program (UCX):																			
Initial claims ..... do ..	151		18	14	13	12	12												
Insured unemployment, avg. weekly ..... do ..	20		20	20	20	19	19												
Beneficiaries, average weekly ..... do ..	18		18	17	17	16	17												
Benefits paid ..... mil. \$ ..	139.8		10.5	11.2	11.4	10.5	11.2												
Railroad program, insured unemployment, average weekly ..... thous ..	26		35	31	19	15	12												
<b>FINANCE</b>																			
<b>BANKING</b>																			
Open market paper outstanding, end of period:																			
Bankers' acceptances ..... mil. \$ ..	64,974	70,565	65,144	65,954	66,752	67,779	69,622	68,495	68,645	68,771	71,891	71,068	70,565	62,957	62,419	63,454			
Commercial and financial company paper, total ..... do ..	326,144	373,586	337,453	337,133	349,763	355,445	351,253	347,421	347,917	360,173	361,124	354,012	373,586	379,192	389,156				
Financial companies ..... do ..	253,131	287,274	263,342	262,702	269,578	276,216	272,186	268,049	270,455	280,848	279,957	273,760	287,274	292,326	297,962				
Dealer placed ..... do ..	102,753	115,034	104,047	103,594	105,583	107,353	109,010	105,285	107,898	113,988	108,064	103,234	115,034	118,571	122,453				
Directly placed ..... do ..	150,378	172,240	159,295	159,108	163,995	168,863	163,176	162,764	162,557	166,860	171,893	170,526	172,240	173,755	175,509				
Nonfinancial companies ..... do ..	73,013	86,312	74,111	74,431	80,185	79,229	79,067	79,372	77,462	79,325	81,167	80,252	86,312	86,866	91,194				
Loans of the Farm Credit System **																			
Total, end of period ..... mil. \$ ..	58,250	52,498		55,507					54,268			53,638			52,498				
Federal land banks and Federal land bank associations ..... do ..	39,236	34,846		37,458					35,990			35,124			34,846				
Federal intermediate credit banks and production credit associations ..... do ..	11,563	9,927		10,423					10,649			10,518			9,927				
Banks for cooperatives ..... do ..	7,400	8,225		7,626					7,629			7,995			8,225				
Federal Reserve banks, condition, end of period:																			
Assets, total # ..... mil. \$ ..	267,359	275,566	243,485	254,382	273,590	255,122	265,548	257,388	252,736	262,649	270,048	266,491	275,566	265,174	260,693	265,072			
Reserve bank credit outstanding, total # ..... do ..	224,285	236,046	203,434	210,956	232,512	216,741	223,568	217,861	215,937	221,753	229,428	230,022	236,046	226,563	225,526	227,504			
Loans ..... do ..	1,565	3,815	514	1,587	2,464	882	972	634	566	1,941	587	790	3,815	333	336	2,311			
U.S. Government securities ..... do ..	211,316	222,551	194,178	196,409	218,883	207,304	212,306	208,170	207,288	211,941	217,614	218,411	222,551	218,411	216,891	217,496			
Gold certificate account ..... do ..	11,084	11,078	11,059	11,081	11,076	11,070	11,069	11,068	11,075	11,085	11,082	11,078	11,068	11,063	11,063	11,063			
Liabilities, total # ..... do ..	267,359	275,566	243,485	254,382	273,590	255,122	265,548	257,388	252,736	262,649	270,048	266,491	275,566	265,174	260,693	265,072			
Deposits, total ..... do ..	56,899	48,868	41,355	46,394	65,713	45,219	50,652	45,409	41,833	49,022	52,798	46,177	48,368	46,284	42,954	42,150			
Member-bank reserve balances ..... do ..	48,107	41,784	37,183	41,973	35,149	38,144	36,102	39,501	37,491	39,028	43,187	41,781	41,784	35,338	39,701	38,777			
Federal Reserve notes in circulation ..... do ..	195,360	212,890	189,370	191,170	193,547	196,714	198,255	199,115	199,424	199,680	202,712	207,873	212,890	205,871	206,300	209,719			
All member banks of Federal Reserve System, averages of daily figures:																			
Reserves held, total ..... mil. \$ ..	59,560	62,123	57,060	57,061	59,393	58,339	58,784	58,838	58,361	59,813	61,106	61,205	62,123	62,640	60,047	60,068			
Required ..... do ..	58,191	61,094	55,849	56,146	58,566	57,280	57,594	58,078	57,329	59,020	59,977	60,282	61,094	61,345	58,914	59,146			
Excess ..... do ..	1,369	1,029	1,211	916	827	1,079	1,190	761	1,032	798	1,129	923	1,029	1,295	1,133	922			
Borrowings from Federal Reserve banks ..... do ..																			
Free reserves ..... do ..	1,827	1,777	556	527	993	1,035	776	672	647	940	943	625	777	1,082	966	1,752			
Large commercial banks reporting to Federal Reserve System †																			
Deposits:																			
Demand, total # ..... mil. \$ ..	289,536	239,163	220,771	215,387	229,261	231,830	221,666	215,132	211,519	239,687	230,492	217,654	239,163						
Individuals, partnerships, and corporations ‡ ..... do ..	222,571	184,002	170,336	167,711	176,896	179,549	167,335	166,238	163,423	185,722	178,340	171,721	184,002						
States and political subdivisions ..... do ..	6,846	5,887	5,315	5,066	5,585	5,478	5,476	5,192	5,381	5,335	5,601	5,887							
U.S. Government ..... do ..	1,801	3,139	2,118	2,013	4,378	1,288	3,030	2,768	2,476	3,098	2,077	2,190	3,139						
Depository institutions in U.S. ‡ ..... do ..	34,039	26,993	25,767	24,000	24,219	27,652	23,444	23,125	23,251	24,378	23,154	26,993							
Transaction balances other than demand deposits * ..... do ..	60,167	62,235	57,780	59,152	60,280	59,148	58,552	59,387	60,381	60,821	60,103	60,792	62,235						
Nontransaction balances, total * ..... do ..	509,177	534,985	518,349	518,410	516,142	523,212	525,456	526,119	525,330	526,449	533,817	535,800	534,985						
Individuals, partnerships, and corporations ..... do ..	470,733	497,334	479,110	479,866	478,065	483,388	486,289	489,0											

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>FINANCE—Continued</b>																		
<b>BANKING—Continued</b>																		
Commercial bank credit, seas. adj.: \$																		
Total loans and securities ◇ .....bil. \$ ..	"2,089.9	2,230.6	2,120.1	2,130.7	2,152.0	2,166.0	2,176.7	2,181.3	2,199.0	2,214.7	2,227.6	2,232.1	2,230.6	2,242.0	2,257.7			
U.S. Government securities .....do ..	"309.3	338.2	314.7	315.4	318.1	321.3	321.8	322.9	328.5	331.3	331.7	331.1	333.2	334.1	334.0			
Other securities .....do ..	"196.1	196.0	192.0	193.1	194.4	195.5	195.9	194.3	193.7	193.7	194.2	196.2	196.0	194.0	195.7			
Total loans and leases ◇ .....do ..	"1,584.5	1,701.4	1,618.5	1,622.3	1,639.6	1,649.3	1,659.6	1,664.1	1,676.8	1,689.8	1,701.7	1,704.8	1,701.4	1,713.9	1,727.9			
Money and interest rates:																		
Prime rate charged by banks on short-term business loans.....percent..	8.33	8.22	7.50	7.50	7.75	8.14	8.25	8.25	8.25	8.70	9.07	8.78	8.75	8.75	8.51	8.50		
Discount rate (New York Federal Reserve Bank) @ @ .....do ..	6.33	5.66	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.95	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
Federal intermediate credit bank loans.....do ..	9.70	8.54	8.68	8.69	8.52	8.44	8.42	8.41	8.45	8.43	8.55	8.65	8.57	8.56	(*)			
Home mortgage rates (conventional 1st mortgages):																		
New home purchase (U.S. avg.).....percent..	"9.74	"8.94	8.87	8.77	8.84	8.99	9.05	9.01	9.01	9.03	8.86	8.92	8.78	8.75	"8.76	8.77		
Existing home purchase(U.S. avg.).....do ..	"9.80	"8.94	8.89	8.80	8.79	8.93	9.02	9.05	9.05	8.91	8.86	8.89	8.86	8.89	8.84	8.76		
Open market rates, New York City:																		
Bankers' acceptances, 90 days .....do ..	6.39	6.75	5.99	6.09	6.41	6.91	6.83	6.59	6.64	7.31	7.85	7.07	7.48	6.77	6.49	6.51		
Commercial paper, 6-month † .....do ..	6.39	6.85	5.99	6.10	6.50	7.04	7.00	6.72	6.81	7.55	7.96	7.17	7.49	6.92	6.58	6.64		
Finance co. paper placed directly, 6-mo. ....do ..	6.31	6.37	5.79	5.88	6.14	6.47	6.50	6.35	6.34	6.90	7.17	6.69	6.64	6.53	6.27	6.23		
Yield on U.S. Gov. securities (taxable):																		
3-month bills (rate on new issue).....percent..	5.960	5.820	5.590	5.560	5.760	5.750	5.690	5.780	6.000	6.320	6.400	5.810	5.800	5.900	5.690	5.690		
<b>CONSUMER INSTALLMENT CREDIT †</b>																		
Not seasonally adjusted																		
Total outstanding (end of period) # .....mil. \$ ..	"581,336	"623,628	"568,601	"568,352	"574,383	"577,584	"585,167	"592,527	"599,711	"607,777	"610,751	"612,341	"623,628	"621,579	619,191			
By major holder:																		
Commercial banks .....do ..	"265,926	"285,856	"261,278	"261,019	"264,140	"265,551	"268,610	"271,899	"274,086	"278,679	"279,668	"279,606	"285,856	"286,159	286,103			
Finance companies .....do ..	"134,660	"141,118	"131,141	"131,108	"132,255	"132,644	"134,740	"136,863	"139,049	"141,558	"142,839	"141,523	"141,118	"140,811	140,821			
Credit unions .....do ..	"77,075	"82,044	"75,807	"75,829	"76,238	"76,635	"77,881	"79,006	"80,208	"81,079	"81,450	"81,692	"82,044	"81,669	81,207			
Retailers .....do ..	"43,490	"46,907	"40,063	"39,665	"39,830	"40,233	"40,276	"40,192	"40,633	"40,678	"41,182	"42,438	"46,907	"44,725	43,078			
Savings institutions .....do ..	"56,914	"64,099	"57,107	"57,546	"58,550	"59,122	"60,187	"60,834	"61,854	"61,940	"62,349	"63,495	"64,099	"64,456	64,875			
Seasonally adjusted																		
Total outstanding (end of period) # .....do ..			"573,612	"575,452	"580,072	"581,233	"587,878	"598,512	"598,190	"602,978	"606,927	"608,726	"613,021	"619,258	624,563			
By major holder:																		
Commercial banks .....do ..	"262,597	"263,269	"265,611	"267,182	"269,711	"272,287	"273,879	"276,805	"278,855	"279,550	"281,564	"284,753	"287,424					
Finance companies .....do ..	"133,547	"138,912	"134,826	"134,375	"135,595	"136,414	"137,668	"138,395	"139,236	"138,928	"140,072	"141,692	"142,946					
Credit unions .....do ..	"76,550	"76,692	"77,076	"77,188	"78,271	"79,128	"79,816	"80,351	"80,672	"80,922	"81,064	"81,662	"82,011					
Retailers .....do ..	"40,065	"40,224	"40,524	"40,724	"40,896	"41,144	"41,381	"41,632	"42,012	"42,291	"42,782	"42,926	"43,080					
Savings institutions .....do ..	"57,560	"57,974	"58,552	"58,214	"59,836	"60,944	"61,798	"62,099	"62,458	"63,411	"63,949	"64,633	"65,398					
By major credit type:																		
Automobile .....do ..	"248,318	"249,498	"251,211	"251,741	"254,212	"256,585	"259,558	"261,902	"263,823	"264,474	"267,180	"269,883	"273,195					
Revolving .....do ..	"137,238	"137,761	"140,389	"141,876	"144,777	"147,809	"149,815	"152,553	"155,196	"156,425	"159,307	"162,065	"163,551					
Mobile home .....do ..	"26,938	"26,811	"26,825	"26,639	"26,810	"26,966	"26,879	"26,845	"26,698	"26,604	"25,957	"25,926	"25,869					
Total net change (during period) # .....do ..	"2,645	"1,840	"4,620	"1,161	"6,645	"5,684	"4,678	"4,788	"3,949	"1,799	"4,295	"6,236	"5,304					
By major holder:																		
Commercial banks .....do ..	"1,467	"672	"2,342	"1,571	"2,529	"2,576	"1,592	"2,926	"2,050	"695	"2,014	"3,188	"2,671					
Finance companies .....do ..	"359	"365	"914	"451	"1,220	"819	"1,249	"732	"841	"808	"1,144	"1,623	"1,251					
Credit unions .....do ..	"279	"142	"384	"112	"1,083	"852	"698	"635	"821	"250	"142	"598	"349					
Retailers .....do ..	"193	"159	"300	"200	"172	"248	"237	"251	"380	"279	"491	"144	"154					
Savings institutions .....do ..	"296	"414	"578	"388	"1,622	"1,108	"854	"801	"859	"953	"538	"684	"765					
By major credit type:																		
Automobile .....do ..			"1,323	"1,180	"1,713	"530	"2,471	"2,373	"2,973	"2,344	"1,921	"651	"2,706	"2,704	"3,312			
Revolving .....do ..			"1,646	"523	"2,578	"1,537	"2,901	"3,032	"2,006	"2,788	"2,643	"1,229	"2,882	"2,758	"1,486			
Mobile home .....do ..			"25	"122	"14	"186	"171	"156	"87	"34	"147	"94	"647	"32	"57			
<b>FEDERAL GOVERNMENT FINANCE</b>																		
Budget receipts and outlays:																		
Receipts (net) .....mil. \$ ..	"769,091	"854,143	55,463	56,515	122,897	47,691	82,945	64,223	60,213	92,410	62,354	56,987	85,525	81,791	60,355	64,961		
Outlays (net) §§ .....do ..	"990,281	"1,003,067	"88,842	"84,447	"88,988	"83,264	"88,429	"86,431	"81,890	"77,087	"93,055	"83,911	"109,771	"65,786	"84,258	94,108		
Budget surplus or deficit (-) §§ .....do ..	"221,140	"148,924	"28,879	"27,982	"38,909	"85,573	"484	"22,208	"21,677	"15,323	"30,701	"26,924	"24,246	"16,005	"23,903	29,147		
Budget financing, total §§ .....do ..	"221,140	"148,924	"28,879	"27,982	"38,909	"85,573	"484	"22,208	"21,677	"15,323	"30,701	"26,924	"24,246	"16,005	"23,903	29,147		
Borrowing from the public §§ .....do ..	"221,140	"150,989	"15,261	"17,504	"8,828	"12,884	"9,719	"3,163	"33,010	"9,113	"27,242	"24,756	"10,136	"5,361	"20,158	17,160		
Reduction in cash balances .....do ..	"15,047	"2,065	"13,118	"20,128	"47,782	"22,739	"9,255	"25,371	"11,333	"7,210	"3,459	"1,610	"21,366	"3,745	"11,386	11,984		
Gross amount of debt outstanding §§ .....do ..	"2,129,964	"2,355,206	"2,246,899	"2,252,441	"2,278,417	"2,292,619	"2,314,460	"2,312,039	"2,349,272	"2,355,206	"2,389,573	"2,415,486	"2,437,637	"2,454,096	"2,477,498	"2,498,195		
Held by the public §§ .....do ..	"1,746,044	"1,897,034	"1,836,119	"1,843,923	"1,852,749	"1,865,579	"1											

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	

**FINANCE—Continued**

## **MONETARY STATISTICS**

Currency in circulation (end of period).....	bill. \$..	212.0	230.2		207.8		215.2		216.8		230.2	
<b>Money stock measures and components (averages of daily figures): †</b>												
Measures (not seasonally adjusted): ‡												
M1.....	bill. \$..	766.8	744.0	717.1	723.5	752.5	739.9	744.4	746.8	745.0	745.2	753.7
M2.....	do	2,687.2	2,861.8	2,817.2	2,826.5	2,855.1	2,836.0	2,850.1	2,862.6	2,868.2	2,875.9	2,895.2
M3.....	do	3,360.0	3,587.0	3,513.1	3,526.6	3,555.0	3,552.8	3,577.8	3,586.4	3,602.8	3,618.4	3,642.0
L (M3 plus other liquid assets).....	do	3,993.6	4,241.4	4,171.3	4,173.6	4,191.3	4,201.2	4,230.7	4,227.4	4,250.6	4,278.6	4,312.8
Components (not seasonally adjusted):												
Currency.....	do	174.4	188.8	181.5	182.8	184.8	187.0	188.6	190.5	190.9	190.9	192.6
Demand deposits.....	do	281.0	294.3	287.1	286.9	301.1	294.1	294.4	294.3	297.0	298.3	295.7
Other checkable deposits †‡.....	do	205.1	254.0	242.3	247.4	260.2	252.3	254.3	254.3	255.6	257.5	258.5
Overnight RP's and Eurodolars ◊.....	do	71.8	79.3	80.1	76.9	77.0	76.2	74.9	75.6	79.7	83.4	85.9
General purpose and broker/dealer money market funds.....	do	196.3	213.8	211.5	212.5	212.1	209.9	210.6	210.6	213.1	216.3	218.2
Money market deposit accounts.....	do	544.0	551.8	572.0	571.8	568.6	556.8	555.1	549.4	545.0	540.5	538.9
Savings deposits.....	do	328.8	407.7	386.0	395.4	405.9	412.4	417.3	420.5	418.5	417.8	413.2
Small time deposits @.....	do	879.3	885.3	850.4	846.4	840.9	839.1	847.8	859.6	868.6	873.2	885.6
Large time deposits @.....	do	446.9	459.6	444.0	447.5	447.2	453.7	457.0	456.5	461.7	465.9	473.1
Measures (seasonally adjusted): ‡												
M1.....	do	731.3	734.2	744.7	746.5	742.1	748.6	746.5	747.5	756.2	752.7	750.9
M2.....	do	2,829.3	2,834.3	2,847.4	2,849.1	2,851.7	2,858.1	2,869.5	2,880.9	2,894.6	2,896.5	2,901.0
M3.....	do	3,524.6	3,532.9	3,549.8	3,564.6	3,581.8	3,588.5	3,605.5	3,620.5	3,642.0	3,656.5	3,660.8
L (M3 plus other liquid assets).....	do	4,175.9	4,174.2	4,189.6	4,217.9	4,234.0	4,236.0	4,257.8	4,283.5	4,312.5	4,324.2	4,325.4
Components (seasonally adjusted):												
Currency.....	do	183.6	184.4	185.6	187.0	187.8	189.0	190.2	191.4	193.1	195.0	196.5
Demand deposits.....	do	295.9	295.0	299.3	298.9	293.3	292.1	292.1	295.9	291.3	288.0	289.9
Other checkable deposits †‡.....	do	245.1	248.0	252.1	253.9	254.3	255.6	257.2	258.6	260.3	259.5	259.3
Savings deposits.....	do	389.7	396.3	404.1	409.5	413.1	415.5	417.8	418.6	417.0	415.0	414.3
Small time deposits @.....	do	848.1	847.0	845.1	845.9	852.1	859.1	865.9	872.1	888.3	901.7	913.1
Large time deposits @.....	do	443.1	445.6	448.9	454.0	458.6	460.2	462.4	465.5	472.3	480.5	484.7

#### PROFITS AND DIVIDENDS (OTBLY)

MANUFACTURING AND DIVISIONS (CONT.)								
Manufacturing corps. (Bureau of the Census)								
Net profit after taxes, all manufacturing	..... mil. \$ ..	83,121	114,171	'23,959	31,301	83,062	25,849	
Food and kindred products	..... do	13,292	15,154	2,879	3,718	3,771	4,786	
Textile mill products	..... do	1,706	1,852	379	386	554	533	
Paper and allied products	..... do	3,230	4,989	996	1,206	1,493	1,354	
Chemicals and allied products	..... do	12,900	16,395	4,251	8,888	5,591	2,670	
Petroleum and coal products	..... do	8,823	10,900	2,821	4,435	8,829	-185	
Stone, clay, and glass products	..... do	2,120	2,930	'660	852	982	436	
Primary nonferrous metal	..... do	760	1,060	278	64	515	203	
Primary iron and steel	..... do	-3,372	1,354	352	397	356	249	
Fabricated metal products	..... do	3,232	4,493	513	1,275	1,430	1,275	
Machinery (except electrical)	..... do	6,551	10,424	751	3,216	2,827	3,630	
Electrical and electronic equipment	..... do	7,619	8,832	1,982	2,414	2,488	1,948	
Transportation equipment (except motor vehicles and equipment)		..... mil. \$ ..	3,261	4,523	1,017	1,208	1,309	989
Motor vehicles and equipment	..... do	8,363	10,588	2,903	3,298	2,015	2,372	
All other manufacturing industries	..... do	14,586	20,677	'4,177	4,949	5,962	5,589	
Dividends paid (cash), all manufacturing		..... do	46,044	49,401	10,771	12,753	13,401	12,476

#### **SECURITIES ISSUED**

#### **SECURITY MARKETS**

SECURITY MARKETS																
Stock Market Customer Financing																
Margin credit at broker-dealers, end of year or month.....mil. \$..	36,840	31,990	35,740	38,080	39,820	38,890	38,420	40,250	41,640	44,170	38,250	34,180	31,990	31,320	31,990	32,660
Free credit balances at brokers, end of year or month:																
Margin-account.....do....	4,880	4,750	4,470	4,730	4,660	4,355	3,680	4,095	4,240	4,270	8,415	6,700	4,750	4,675	4,555	4,615
Cash-account.....do....	19,000	15,640	17,325	17,370	17,285	16,985	15,405	15,930	16,195	15,895	18,455	15,360	15,640	15,270	14,695	14,355
Bonds																
Prices:																
Standard & Poor's Corporation, domestic municipal (15 bonds).....dol. per \$100 bond..	65.1	62.7	70.9	70.4	63.2	59.8	61.2	61.6	61.1	58.0	55.0	59.8	60.5	61.8	63.7	61.8
Sales:																
New York Stock Exchange, exclusive of some stopped sales, face value, total .....mil. \$.	10,464.10	9,726.24	766.66	853.65	932.27	780.02	790.99	793.88	720.53	873.52	962.45	642.17	729.81	634.54	688.14	688.44

See footnotes at end of tables

*Current data for the series shown in the S (or "blue") pages of the SURVEY OF CURRENT BUSINESS are now available on the Commerce Department's Economic Bulletin Board. For information about the Bulletin Board, call (202) 377-1986. To access the Bulletin Board with a personal computer, computer terminal, or a word processor, call (202) 377-3870. Set the communications switches to no parity, 8-bit words, and 1 stop bit.*

Units	Annual		1987										1988			
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>FINANCE—Continued</b>																
<b>Bonds—Continued</b>																
<b>Yields:</b>																
Domestic corporate (Moody's).....percent..	9.71	9.91	9.03	8.99	9.35	9.82	9.87	9.92	10.14	10.64	10.97	10.54	10.59	10.37	9.89	9.86
By rating:																
Aaa.....do .....	9.02	9.33	8.38	8.36	8.85	9.33	9.32	9.42	9.67	10.18	10.62	10.01	10.11	9.88	9.40	9.39
Aa.....do .....	9.47	9.68	8.88	8.84	9.15	9.59	9.65	9.64	9.86	10.35	10.74	10.27	10.38	10.09	9.60	9.59
A.....do .....	9.95	9.99	9.20	9.13	9.36	9.83	9.98	10.00	10.20	10.72	10.98	10.63	10.62	10.43	9.94	9.89
Baa.....do .....	10.39	10.58	9.65	9.61	10.04	10.51	10.52	10.61	10.80	11.31	11.62	11.23	11.29	11.07	10.62	10.57
By group:																
Industrials.....do .....	9.96	9.83	9.25	9.23	9.40	9.81	9.87	9.82	9.94	10.28	10.60	10.25	10.18	9.98	9.67	9.61
Public utilities.....do .....	9.46	9.98	8.81	8.75	9.30	9.82	9.87	10.01	10.33	11.00	11.32	10.82	10.99	10.75	10.11	10.11
Railroads.....do .....	9.85	9.63	9.22	9.13	9.30	9.53	9.56	9.52	9.69	9.96	10.07	10.30	10.08	10.04	9.85	9.91
Domestic municipal:																
Bond Buyer (20 bonds).....do .....	7.23	7.69	6.59	6.93	7.85	8.03	7.81	7.73	8.05	8.53	8.43	7.90	7.86	7.51	7.47	7.90
Standard & Poor's Corp. (15 bonds).....do .....	7.38	7.73	6.67	6.71	7.62	8.10	7.89	7.83	7.90	8.36	8.84	8.09	8.07	7.58	7.55	7.80
U.S. Treasury bonds, taxable \$.....do .....	8.14	8.64	7.69	7.62	8.31	8.79	8.63	8.70	8.97	9.58	9.61	8.99	9.12	8.82	8.41	8.61
<b>Stocks</b>																
<b>Prices:</b>																
Dow Jones averages (65 stocks).....	702.50	849.46	843.73	865.48	857.52	858.02	895.59	924.48	974.11	936.34	821.81	716.13	708.60	722.21	739.63	766.55
Industrial (30 stocks).....	1,792.76	2,275.99	2,202.34	2,292.61	2,302.64	2,291.11	2,384.02	2,481.72	2,655.01	2,570.80	2,224.59	1,981.86	1,910.07	1,947.35	1,980.65	2,044.31
Public utility (15 stocks).....	195.24	201.70	222.36	217.77	204.62	200.47	202.99	203.38	207.98	198.23	188.68	182.49	176.05	182.18	184.96	177.68
Transportation (20 stocks).....	785.41	929.19	925.78	942.43	931.24	952.58	1,014.02	1,044.15	1,081.73	1,027.73	895.24	744.53	728.84	755.97	790.14	861.33
Standard & Poor's Corporation: \$																
Combined index (500 Stocks).....1941-43=10..	236.34	286.83	280.93	292.47	289.32	289.12	301.38	310.09	329.36	318.66	280.16	245.01	240.96	250.48	258.13	265.74
Industrial, total (400 Stocks) #.....do .....	262.16	330.90	318.18	334.65	335.43	336.10	349.58	362.36	384.94	372.49	323.13	280.11	277.68	288.36	296.46	308.04
Capital goods.....do .....	227.14	288.23	275.48	288.16	291.95	299.77	304.87	315.79	336.67	327.04	280.84	240.41	245.87	246.47	249.68	253.47
Consumer goods.....do .....	260.72	323.77	315.13	333.68	326.16	322.75	343.21	353.73	378.96	365.08	309.49	273.59	272.17	279.64	292.04	305.52
Utilities (40 Stocks).....do .....	107.65	112.70	119.87	117.65	109.97	108.06	112.63	110.93	117.70	114.98	111.73	106.49	102.36	106.13	110.67	107.24
Transportation (20 Stocks).....1982=100.....	200.19	223.91	224.39	227.30	222.25	231.31	247.20	256.09	268.34	257.77	226.47	188.23	185.50	192.20	199.03	212.88
Railroads.....1941-43=10 .....	141.73	166.90	158.02	163.02	160.27	169.22	174.05	186.70	195.96	191.61	165.87	143.44	146.46	150.08	153.52	162.44
Financial (40 Stocks).....1970=10.....	28.36	28.15	30.21	31.00	28.42	27.80	29.55	29.44	31.45	30.02	26.67	22.89	21.12	22.41	23.27	23.30
Money center banks.....1941-43=10 .....	115.71	112.03	121.00	117.56	111.12	114.97	125.53	122.72	128.94	118.70	102.06	84.15	76.47	78.23	83.89	84.76
Major regional banks.....do .....	114.41	109.54	115.37	118.22	110.72	110.32	117.56	116.27	123.11	116.76	99.93	87.00	88.17	89.63	94.09	95.74
Property-Casualty Insurance.....do .....	312.67	311.50	336.07	343.87	301.46	295.91	310.87	310.69	328.90	309.35	290.15	270.19	278.01	283.37	276.33	
N.Y. Stock Exchange common stock indexes:																
Composite.....12/31/65=50.....	136.00	161.70	160.23	166.43	163.88	163.00	169.58	174.28	184.18	178.39	157.13	137.21	134.88	140.55	145.13	149.88
Industrial.....do .....	155.84	195.31	189.17	198.95	199.03	198.78	206.61	214.12	226.49	219.52	189.86	163.42	162.19	168.47	173.44	181.57
Transportation.....do .....	119.87	140.39	135.49	138.55	137.91	141.30	150.39	157.48	164.02	158.58	140.95	117.57	115.85	121.20	126.09	135.15
Utility.....do .....	71.36	74.30	78.34	77.15	72.74	71.64	74.25	74.18	78.20	76.13	73.27	69.56	67.39	70.01	72.89	71.16
Finance.....do .....	147.20	146.48	158.41	162.41	150.52	145.97	152.73	152.25	160.94	154.08	137.35	118.80	111.47	119.40	124.36	125.27
NASDAQ over-the-counter price indexes:																
Composite.....2/5/71=100.....	366.96	402.74	411.71	432.20	422.77	416.68	428.70	429.01	448.39	442.80	385.05	318.75	314.54	339.28	353.58	375.54
Industrial.....do .....	367.27	422.72	428.59	453.66	449.35	447.28	450.95	456.03	477.19	473.10	401.95	319.74	318.90	344.41	354.62	386.34
Insurance.....do .....	430.57	425.25	458.29	460.48	429.80	414.05	507.73	436.74	461.37	450.84	413.18	368.26	345.95	375.55	400.05	404.17
Bank.....do .....	410.17	464.95	495.54	516.69	493.22	474.51	477.16	473.60	496.62	494.26	489.88	384.81	378.87	410.93	435.08	446.07
NASDAQ/NMS composite.....7/10/84=100.....	156.10	172.49	176.34	185.03	180.64	177.97	181.14	183.47	192.17	189.82	165.09	136.92	135.51	146.36	152.69	162.34
Industrial.....do .....	138.03	161.06	163.54	173.09	171.20	170.53	171.96	174.08	182.74	181.31	154.08	122.80	123.08	132.97	135.97	149.52
Yields (Standard & Poor's Corp.):																
Composite.....percent.....	3.48	3.08	3.02	2.93	2.99	3.02	2.92	2.83	2.69	2.78	3.25	3.66	3.71	3.66	3.56	3.48
Industrials (400 stocks).....do .....	3.09	2.62	2.62	2.51	2.52	2.54	2.46	2.36	2.26	2.33	2.78	3.15	3.18	3.07	2.96	
Utilities (40 stocks).....do .....	6.54	6.52	5.95	6.00	6.68	6.64	6.69	6.60	6.42	6.60	6.95	7.19	7.04	6.73	6.99	
Transportation (20 stocks).....do .....	2.43	2.20	2.19	2.16	2.23	2.15	2.08	1.90	1.90	1.97	2.37	2.62	2.63	2.44	2.34	
Financial (40 stocks).....do .....	3.22	3.60	3.20	3.10	3.45	3.58	3.89	3.40	3.19	3.39	4.50	4.88	4.66	4.49	4.51	
Preferred stocks, 10 high-grade.....do .....	8.76	8.87	7.98	7.52	7.94	8.41	8.31	8.25	8.82	8.64	8.99	9.11	9.08	9.04	9.02	9.07
Sales:																
Total on all registered exchanges (SEC):																
Market value.....mil. \$.....	1,705,124	2,284,186	180,157	193,961	210,257	186,900	171,072	189,896	210,518	197,013	267,786	152,649	142,612	128,229	.....	.....
Shares sold.....millions.....	48,333	63,771	4,840	5,341	5,343	4,797	4,622	5,333	5,543	4,894	7,489	5,306	5,263	4,323	.....	.....
On New York Stock Exchange:																
Market value.....mil. \$.....	1,448,235	1,983,811	155,749	165,971	182,930	162,847	147,990	162,926	180,977	171,341	238,749	136,468	124,179	112,389	.....	.....
Shares sold (cleared or settled).....millions.....	39,1															

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988				
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
FOREIGN TRADE OF THE UNITED STATES—Continued																			
<b>VALUE OF EXPORTS—Continued</b>																			
Exports (mdse.), incl. reexports—Continued																			
Europe:																			
France.....	7,215.9	7,943.2	601.0	729.3	633.5	645.4	682.5	583.9	610.6	649.2	728.1	735.8	824.5	811.1	815.8				
German Democratic Republic.....	67.9	58.9	3.0	15.5	4.9	2.8	4.5	2.1	1.4	5.7	1.2	7.6	3.2						
Federal Republic of Germany.....	10,560.5	11,747.7	1,084.7	1,046.3	913.7	957.2	894.8	839.3	886.9	977.2	1,064.7	1,091.2	1,128.5	1,086.1	1,141.8				
Italy.....	4,888.3	5,529.7	483.0	501.8	458.6	479.9	517.4	369.7	387.4	428.6	441.4	491.8	541.4	504.1	483.6				
Union of Soviet Socialist Re-publics.....	1,247.5	1,479.8	51.2	67.9	168.7	196.6	185.5	200.8	144.0	64.2	54.3	104.8	260.3	263.8	328.0				
United Kingdom.....	11,418.2	14,113.9	1,149.2	1,371.8	1,389.2	1,141.9	1,153.0	1,044.2	1,123.4	1,171.6	1,213.5	1,266.1	1,270.5	1,279.9	1,465.7				
North and South America:																			
Canada.....	55,511.6	59,814.3	4,762.8	5,258.9	4,928.3	5,055.1	5,605.7	4,715.0	4,165.8	4,844.7	5,278.1	5,511.8	5,540.8	4,912.6	5,175.8				
Latin American Republics, total #.....	27,968.0	31,574.4	2,206.8	2,505.2	2,388.9	2,621.3	2,639.6	3,001.6	2,639.0	2,839.1	2,785.3	2,994.9	2,918.8	2,623.9	2,728.5				
Brazil.....	3,885.3	4,039.9	245.5	251.9	279.7	288.3	618.5	306.2	398.3	387.7	400.3	371.4	340.6	304.8					
Mexico.....	12,391.6	14,582.2	1,030.9	1,276.8	1,120.9	1,192.5	1,243.6	1,225.5	1,192.8	1,327.7	1,258.2	1,414.6	1,282.1	1,215.5	1,359.7				
Venezuela.....	3,141.0	3,586.0	227.7	236.2	215.4	295.1	332.2	318.5	344.5	317.3	342.9	411.9	312.8	295.4					
Exports of U.S. merchandise, total \$.....	216,555.2	243,858.9	18,658.8	21,050.4	19,755.2	20,009.1	20,295.9	20,312.5	19,508.7	20,215.7	20,954.1	22,954.3	23,935.6	21,446.5	22,725.6				
Excluding military grant-aid.....	216,543.1	243,845.8	18,657.7	21,049.7	19,754.5	20,006.5	20,295.5	20,309.4	19,502.6	20,215.3	20,953.8	22,953.5	23,935.3						
Agricultural products, total.....	26,061.0	28,636.2	2,220.8	2,416.2	2,270.1	2,178.9	2,070.7	2,385.7	2,134.8	2,334.0	2,676.1	2,825.3	2,958.6	2,876.7	3,156.2				
Nonagricultural products, total.....	190,494.2	215,222.7	16,438.0	18,634.2	17,485.1	17,830.3	18,225.2	17,926.9	17,369.0	17,881.7	18,277.9	20,129.0	20,977.0	18,569.8	19,569.4				
By commodity groups and principal commodities:																			
Food and live animals #.....	17,302.6	19,178.8	1,402.8	1,561.9	1,474.0	1,543.9	1,502.1	1,785.6	1,706.3	1,681.4	1,766.1	1,684.8	1,783.3	1,735.5	1,874.1				
Beverages and tobacco.....	2,920.2	3,666.7	235.7	297.8	303.8	305.8	268.7	276.5	283.7	284.1	320.2	377.2	421.9	375.7	348.9				
Crude materials, inedible, exc. fuels #.....	17,323.8	20,416.3	1,605.6	1,706.3	1,562.5	1,508.5	1,593.8	1,618.6	1,688.3	1,670.6	1,832.1	2,051.7	2,153.4	1,929.6	2,209.6				
Mineral fuels, lubricants, etc. #.....	8,114.5	7,718.1	564.3	619.9	633.1	623.8	658.9	604.9	674.7	658.6	630.1	660.1	816.8	560.0	548.0				
Oils and fats, animal and vegetable.....	1,014.9	981.4	59.0	73.8	58.2	70.1	75.4	89.8	99.4	106.4	86.2	97.4	107.9	67.9	151.6				
Chemicals.....	22,765.8	26,380.9	1,919.0	2,340.0	2,155.9	2,412.7	2,281.2	2,178.1	2,357.7	2,217.7	2,075.5	2,275.2	2,405.7	2,287.0	2,444.6				
Manufactured goods #.....	14,005.0	17,136.1	1,317.4	1,469.5	1,419.6	1,450.7	1,506.9	1,370.0	1,450.7	1,454.7	1,430.0	1,545.4	1,576.9	1,498.9	1,685.1				
Machinery and transport equipment, total.....	95,289.5	108,596.0	8,438.9	9,521.4	8,996.8	8,959.6	9,078.6	8,745.0	8,253.5	9,478.5	9,210.1	10,622.3	10,388.3	9,441.4	10,107.9				
Machinery, total #.....	60,396.8	69,637.0	5,226.8	6,008.1	5,510.7	5,762.8	5,858.2	5,516.8	5,648.9	6,067.7	6,134.5	6,775.2	6,700.1	6,431.7	6,515.9				
Transport equipment, total.....	34,892.7	38,959.0	3,210.3	3,518.3	3,485.6	3,196.9	3,225.5	3,228.2	2,604.6	3,410.8	3,075.6	3,847.0	3,688.2	3,009.7	3,592.0				
Motor vehicles and parts.....	18,575.0	20,878.8	1,683.4	1,788.2	1,762.3	1,879.8	2,045.3	1,344.0	1,367.8	1,777.9	1,812.9	2,178.5							
<b>VALUE OF IMPORTS</b>																			
General imports, total.....	366,063.4	405,900.6	32,306.7	33,196.7	31,983.1	38,313.0	35,266.8	35,844.1	34,319.8	33,572.6	37,714.1	35,474.3	35,443.5	33,217.7	35,817.7				
Seasonally adjusted.....																			
By geographic regions:																			
Africa.....	10,348.1	11,989.4	830.7	770.2	875.2	870.2	1,090.6	1,349.4	1,304.8	1,009.4	1,019.8	1,156.0	1,088.9	955.9	915.8				
Asia.....	153,869.1	174,452.3	18,495.3	13,475.6	13,385.5	14,129.4	15,197.0	16,054.3	15,785.4	14,874.8	16,509.9	14,602.8	14,933.7	14,314.4	15,374.9				
Australia and Oceania.....	3,717.0	4,135.9	339.5	305.0	325.6	372.9	390.0	375.7	406.7	386.1	322.1	295.8	301.1	467.1	430.9				
Europe.....	91,826.0	97,418.7	7,640.6	8,771.7	7,949.5	8,108.1	8,383.2	8,785.4	7,627.3	7,308.1	8,800.5	8,681.1	9,123.2	7,458.3	8,200.1				
Northern North America.....	68,259.0	71,098.5	5,980.4	5,987.0	5,815.2	5,916.6	6,101.5	5,922.4	5,069.7	6,094.7	6,573.3	6,728.9	6,127.8						
Southern North America.....	23,468.0	26,497.9	2,376.1	2,246.4	2,107.8	2,300.9	2,416.0	2,208.2	2,167.8	2,246.1	2,426.6	2,266.8	2,205.2						
South America.....	18,477.2	20,362.8	1,694.1	1,641.9	1,524.4	1,614.9	1,733.0	1,748.8	1,958.1	1,653.2	2,061.8	1,749.8	1,663.7						
By leading countries:																			
Africa:																			
Egypt.....	111.5	464.9	7.6	9.0	24.1	27.5	63.5	84.6	64.0	47.1	32.4	42.0	55.5	9.8	29.2				
Republic of South Africa.....	2,364.5	1,845.5	89.2	115.5	88.1	107.0	103.3	121.3	134.9	87.8	113.1	127.5	130.5	107.8	125.1				
Asia: Australia and Oceania:																			
Australia, including New Guinea.....	2,676.6	3,029.5	251.5	214.4	222.8	275.8	262.0	267.5	300.0	294.5	246.7	234.4	221.5						
Japan.....	81,911.1	84,575.0	6,824.5	6,804.2	6,832.3	6,938.3	7,332.6	7,340.5	7,242.4	6,780.9	7,932.0	7,179.0	7,472.2	6,353.9	7,186.4				
Europe:																			
France.....	10,128.6	10,730.2	845.2	850.3	839.6	843.5	942.6	1,067.4	871.9	792.9	1,036.3	969.0	1,008.0	861.5	954.9				
German Democratic Republic.....	86.5	85.4	5.7	10.6	5.5	7.8	6.2	7.3	8.2	7.8	9.3	6.6	6.2						
Federal Republic of Germany.....	25,123.7	27,069.3	2,088.2	2,582.3	2,341.2	2,353.1	2,931.7	2,244.9	2,109.7	1,889.8	2,306.7	2,482.1	2,546.2	2,090.1	2,162.8				
Italy.....	10,807.4	11,039.6	888.4	956.9	868.1	858.3	950.0	1,111.1	1,000.4	723.6	1,019.5	960.9	960.2	970.7					
Union of Soviet Socialist Republics.....	558.2	424.7	30.8	26.5	29.3	20.5	43.0	40.3	36										

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>FOREIGN TRADE OF THE UNITED STATES—Continued</b>																			
Indexes																			
Exports (U.S. mdse., excl. military grant-aid):																			
Unit value @ 1977=100 .....	155.4	158.6	155.5	157.9	158.2	158.9	157.9	160.0	159.9	163.9	161.4	160.6	159.0	163.4	161.3	.....			
Quantity .....	112.6	127.0	117.5	131.1	124.8	125.9	126.9	128.1	122.8	125.5	127.1	142.6	147.1	130.7	142.4	.....			
Value .....	175.0	201.4	182.8	207.0	197.4	200.0	200.4	197.0	196.4	205.7	205.1	229.0	234.0	213.6	229.6	.....			
General imports:																			
Unit value @ .....	154.9	164.6	158.4	159.8	161.2	163.5	165.2	168.0	169.7	170.8	168.8	168.7	169.7	170.4	170.4	.....			
Quantity .....	164.9	169.2	167.9	171.1	163.3	167.7	175.7	166.6	161.9	183.4	172.1	162.1	173.1	173.1	173.1	173.1	.....		
Value .....	253.9	278.5	266.0	273.4	263.4	274.3	290.3	295.2	282.6	276.5	310.6	292.1	291.9	273.5	294.9	294.9	.....		
Shipping Weight and Value																			
Waterborne trade:																			
Exports (incl. reexports):																			
Shipping weight .....	328,419		25,426	28,861	28,926														
Value .....	87,946		7,204	8,184	7,698														
General imports:																			
Shipping weight .....	450,214		36,858	36,980	33,036														
Value .....	217,781		18,934	19,491	18,837														
<b>TRANSPORTATION AND COMMUNICATION</b>																			
<b>TRANSPORTATION</b>																			
Air Carriers																			
Certified route carriers:																			
Passenger-miles (revenue) .....	bil.	'366.55	'404.81	28.02	35.04	33.18	34.82	36.25	39.91	41.51	31.58	32.63	29.87	31.60	.....				
Passenger-load factor .....	percent	60.3	62.4	58.6	65.2	64.5	63.6	65.4	68.4	71.0	58.6	59.6	57.7	58.1	.....				
Ton-miles (revenue), total .....	mil.	'45,681	50,451	3,500	4,337	4,120	4,302	4,441	4,839	4,992	4,012	4,210	3,906	4,111	.....				
Operating revenues (quarterly) # \$ .....	mil. \$	49,987				12,638			14,064			15,338							
Passenger revenues .....	do	39,608				9,918			11,271			12,314							
Cargo revenues .....	do	5,623				1,447			1,553			1,637							
Mail revenues .....	do	833				211			214			221							
Operating expenses (quarterly) \$ .....	do	'48,725				12,514			18,028			14,152							
Net income after taxes (quarterly) \$ .....	do	'-176				-233			479			615							
Domestic operations:																			
Passenger-miles (revenue) .....	bil.	302.09	'324.48	23.82	'29.64	27.46	28.24	28.49	30.80	31.79	24.21	25.78	24.27	25.57	.....				
Cargo ton-miles .....	mil.	'3,990	4,339	307	358	343	357	359	367	374	381	414	387	385	.....				
Mail ton-miles .....	do	'1,247	1,312	100	109	110	107	100	101	99	102	112	108	161	.....				
Operating revenues (quarterly) \$ .....	mil. \$	40,921				10,449			11,370			11,934							
Operating expenses (quarterly) \$ .....	do	39,833				10,367			10,545			11,202							
Net income after taxes (quarterly) \$ .....	do	'-17				-279			355			262							
International operations:																			
Passenger-miles (revenue) .....	bil.	64.44	79.83	4.21	5.40	5.73	6.58	7.76	9.11	9.70	7.37	6.90	5.60	6.02	.....				
Cargo ton-miles .....	mil.	3,346	'3,921	259	330	312	322	231	346	334	339	383	385	348	.....				
Mail ton-miles .....	do	433	443	31	35	36	35	30	34	34	33	37	44	57	.....				
Operating revenues (quarterly) \$ .....	mil. \$	8,616				2,122			2,665			3,331							
Operating expenses (quarterly) \$ .....	do	8,449				2,084			2,456			2,882							
Net income after taxes (quarterly) \$ .....	do	-169				20			109			305							
Urban Transit Systems																			
Passengers carried, total * .....	mil.	9,009		703	789	772	730	751	723	721	731								
Motor Carriers																			
Carriers of property, large, class I, qtrly:																			
Number of reporting carriers .....	100				100				100			100							
Operating revenues, total .....	mil. \$	18,480			4,331				4,673			4,859							
Net income, after extraordinary and prior period charges and credits .....	mil. \$	548			46				105			60							
Tonnage hauled (revenue), common and contract carrier service .....	mil. tons	166			42				44			45							
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																			
Common carriers of general freight, seas. adj. .....	1967=100 .....	148.0	163.9	158.9	160.2	158.0	158.8	162.0	161.7	163.6	168.5	170.9	176.2	173.4	'174.9	'171.0	.....		
Class I Railroads ‡																			
Financial operations, quarterly (AAR), excluding Amtrak:																			
Operating revenues, total # .....	mil. \$	'25,957	26,623			6,446			6,625			6,712			6,840				
Freight .....	do	'25,098	25,798			6,229			6,423			6,513			6,632				
Passenger, excl. Amtrak .....	do	110	95			28			24			22			20				
Operating expenses .....	do	'24,652	23,881			5,752			5,733			6,415			5,982				
Net railway operating income .....	do	1,168	1,752			403			572			238			538				
Ordinary income † .....	do	733	1,989			444			566			299			690				
Traffic:																			
Revenue ton-miles, qtrly. (AAR) .....	bil.	867.7	948.0		226.4			230.5			242.3			248.7	'73.1	'74.3	.....		
Price index for railroad freight .....	12/84=100 .....	100.8	100.1	99.7	99.7	100.1	100.0	100.2	100.1	100.2	100.2	100.2	100.2	100.3	103.3	103.3	103.4	.....	
Travel																			
Lodging industry:																			
Restaurant sales index—same month 1967=100 .....		219	223	213	236	216	253	243	232	208	220	243	209	232	.....				
Hotels: Average room sale △—dollars .....		73.61	82.58	88.16	92.30	86.54	83.07	79.40	75.09	77.52	83.10	86.16	83.58	81.50	.....				
Rooms occupied .....	% of total .....	66	68	69	76	71	70	69	68	70	68	73	66	52	.....				
Motor hotels: Average room sale △—dollars .....		48.07	47.79	48.29	52.98	47.88	47.98	46.95	47.85	48.18	47.17	47.45	46.23	45.86	.....				
Rooms occupied .....	% of total .....	62	62	64	75	69	64	67											

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
TRANSPORTATION AND COMMUNICATION—Continued																		
COMMUNICATION																		
Telephone carriers: $\diamond$																		
Operating revenues # .....	.mil. \$.	73,897		18,319				18,606			18,832							
Station revenues.....do..		31,218		7,859				7,882			7,595							
Tolls, message.....do..		8,536		2,217				2,293			2,347							
Operating expenses (excluding taxes).....do..		48,553		11,981				12,441			12,828							
Net operating income (after taxes).....do..		13,140		3,457				3,376			3,372							
Access lines.....mil.		110.7		111.1				112.4										
CHEMICALS AND ALLIED PRODUCTS																		
CHEMICALS																		
Inorganic Chemicals																		
Production:																		
Aluminum sulfate, commercial (17% Al <sub>2</sub> O <sub>3</sub> ) $\ddagger$ thous. sh. tons.....do..		1,222	1,223	90	93	96	100	104	109	109	119	109	95	105	102	103		
Chlorine gas (100% Cl <sub>2</sub> ) $\ddagger$ .....	.do..	10,436	10,980	862	883	876	892	880	936	958	954	941	966	985	903	891		
Hydrochloric acid (100% HCl) $\ddagger$ .....	.do..	2,413	2,495	209	206	222	207	208	210	206	201	200	198	206	214	229		
Phosphorus, elemental $\ddagger$ .....	.do..	364	343	26	32	30	28	28	26	27	28	32	27	31	30	30		
Sodium hydroxide (100% NaOH) $\ddagger$ .....	.do..	10,691	11,518	914	937	897	922	909	967	1,004	998	1,008	1,026	1,036	989	905		
Sodium silicate, anhydrous $\ddagger$ .....	.do..	791	948	92	63	76	83	75	73	74	67	89	85	82	785	80		
Sodium sulfate, anhydrous $\ddagger$ .....	.do..	811	805	64	65	69	65	69	66	70	75	68	67	70	60	65		
Sodium tripolyphosphate (100% Na <sub>5</sub> P <sub>3</sub> O <sub>10</sub> ) $\ddagger$ .....	.do..	617	565	46	52	49	51	47	47	43	46	46	50	41	41	48		
Titanium dioxide (composite and pure) $\ddagger$ .....	.do..	931	952	75	78	74	82	83	76	83	79	77	85	78	83	81		
Sulfur, native (Frasch) and recovered:																		
Production.....thous. met. tons..		9,862	9,363	740	788	754	781	788	798	799	775	781	735	787	796	754		
Stocks (producers') end of period.....do..		2,748	2,316	2,805	2,758	2,676	2,675	2,662	2,659	2,622	2,567	2,488	2,404	2,316	2,250	2,184		
Inorganic Fertilizer Materials																		
Production:																		
Ammonia, synthetic anhydrous $\ddagger$ thous. sh. tons.....do..		14,474	16,161	1,257	1,448	1,424	1,416	1,312	1,269	1,207	1,238	1,403	1,357	1,450	1,409	1,304		
Ammonium nitrate, original so- lution $\ddagger$ .....	.do..	6,089	6,416	530	628	633	581	498	461	387	457	555	560	594	570	577		
Ammonium sulfate $\ddagger$ .....	.do..	2,080	2,183	186	183	193	193	159	187	182	179	181	187	181	181	191		
Nitric acid (100% HNO <sub>3</sub> ) $\ddagger$ .....	.do..	6,734	7,102	550	671	653	610	569	521	462	552	629	663	647	639			
Nitrogen solutions (100% N) $\ddagger$ .....	.do..	2,264	2,820	251	250	285	285	201	218	166	188	232	245	254	251	231		
Phosphoric acid (100% P <sub>2</sub> O <sub>5</sub> ) $\ddagger$ .....	.do..	9,578	10,473	789	901	951	847	780	809	900	894	943	898	967	921	958		
Sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> ) $\ddagger$ .....	.do..	35,759	38,750	2,814	3,310	3,383	3,186	2,962	3,102	3,428	3,353	3,443	3,237	3,578	3,383	3,325		
Superphosphate and other phosphatic fertilizers (gross weight):																		
Production.....thous. sh. tons..		12,710	15,674	1,183	1,323	1,415	1,294	1,140	1,198	1,438	1,418	1,415	1,304	1,337	1,351	1,371		
Stocks, end of period.....do..		775	704	511	401	420	632	552	616	615	539	671	832	704	750	761		
Potash, sales (K <sub>2</sub> O) .....	.do..	5,521	6,204	473	571	768	486	592	226	440	552	400	366	577	699	422		
Imports:																		
Ammonium nitrate .....	.do..	561	307	54	55	46	24	20	15	10	12	15	14	14	30	26		
Ammonium sulfate .....	.do..	291	285	35	39	36	27	25	18	8	16	20	10	17	64	22		
Potassium chloride.....do..		7,536	7,290	714	742	895	443	458	473	416	690	481	532	856	698	692		
Sodium nitrate .....	.do..	118	102	15	24	7	16	6	7	13	(*)	2	3	6	(*)	7		
Industrial Gases $\ddagger$																		
Production:																		
Acetylene.....mil. cu. ft..		5,034	5,605	511	518	505	509	436	434	419	490	420	422	431	420	413		
Hydrogen (high and low purity).....do..		141,815	163,659	13,111	13,450	13,980	13,607	14,525	14,864	15,357	14,025	12,949	12,167	12,566	12,408	12,090		
Nitrogen (high and low purity).....do..		617,386	653,970	47,682	53,739	51,504	52,947	52,956	54,148	56,897	60,653	59,417	60,226	60,587	58,894			
Oxygen (high and low purity).....do..		346,839	390,067	27,174	31,104	30,927	29,832	31,098	31,177	35,693	37,581	36,487	37,907	38,064	35,576			
Organic Chemicals $\ddagger$																		
Production:																		
Acetylsalicylic acid (aspirin).....mil. lb..		130.5	124.2		7.6			5.8			3.4			5.4				
Ethyl acetate.....do..		198.1	198.3		47.2			56.2			50.7			44.3				
Formaldehyde (37% HCHO).....do..		1,549.4	6,064.4		1,341.5			1,613.5			1,545.5			1,552.6				
Glycerin, refined, all grades .....	.do..	295.0	276.4	28.8	25.1	20.9	16.9	24.6	21.5	23.9	24.0	25.9	23.9	22.3	24.0	23.7		
Methanol, synthetic.....mil. gal..		1,085.1	1,098.2		238.1			285.7			296.3			278.0				
Phthalic anhydride.....mil. lb..		1863.1	1,035.2		257.8			272.6			251.7			253.1				
ALCOHOL																		
Ethyl alcohol and spirits:																		
Production.....mil. tax gal..		645.4	729.5	54.9	55.8	60.2	62.0	56.6	60.1	63.4	63.8	68.0	60.6	66.9				
Stocks, end of period.....do..		47.5	43.4	49.9	41.2	45.4	48.8	44.6	46.7	43.9	38.6	34.3	41.7	43.4				
Denatured alcohol:																		
Production.....mil. wine gal..		408.6	442.3	29.7	34.4	35.9	36.8	36.9	40.0	39.4	39.4	37.6	31.8	49.3				
Consumption (withdrawals).....do..		444.6	459.7	33.6	44.8	38.7	37.4	41.0	37.1	40.9	41.4	39.4	30.2	40.1				
For fuel use.....do..		226.7	207.5	15.0	25.3	17.0	15.1	18.2	16.5	18.9	18.7	19.1	11.8	17.9				

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	

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methodological notes are as shown in

BUSINESS STATISTICS: 1986

## CHEMICALS AND ALLIED PRODUCTS—Continued

<b>PLASTICS AND RESIN MATERIALS</b>																	
Production:																	
Phenolic resins.....	.....mil. lb.	1,813.5															
Polyethylene and copolymers.....	.....do	15,983.0	17,675.8		4,286.7												
Polypropylene.....	.....do	16,256.5	6,633.5		1,557.9												
Polystyrene and copolymers.....	.....do	7,078.4			(2)												
Polyvinyl chloride and copolymers.....	.....do	7,283.6	7,986.0		1,909.1												
PAINTS, VARNISH, AND LACQUER ◇																	
Total shipments.....	.....mil. \$..	9,498.8	10,153.4	762.3	857.5	911.3	924.2	940.9	914.1	898.5	887.7	904.5	759.5	688.7	759.7	830.2	
Architectural coatings.....	.....do	4,016.8	4,205.1	295.6	359.0	394.6	404.5	429.3	412.4	395.9	375.8	342.8	285.8	243.7	273.1	303.4	
Product coatings (OEM).....	.....do	3,578.1	3,945.9	322.8	336.6	389.4	337.5	332.5	309.8	319.7	333.6	377.8	325.0	306.1	342.0	366.1	
Special purpose coatings.....	.....do	1,898.8	2,002.4	143.8	161.9	177.3	182.1	179.2	191.9	182.9	178.3	183.9	148.7	138.9	144.5	160.7	

## ELECTRIC POWER AND GAS

<b>ELECTRIC POWER</b>																	
Production:																	
Electric utilities, total.....	.....mil. kw-hr..	2,487,310	2,572,127	194,034	201,849	189,496	206,074	225,589	247,915	247,645	213,008	203,009	200,258	220,500	237,586		
By fuels.....	.....do	2,196,465	2,322,432	172,808	178,600	167,471	181,872	204,727	227,721	229,198	194,828	185,054	183,401	199,413	215,371		
By waterpower.....	.....do	290,844	249,695	21,226	23,248	22,025	24,202	20,863	20,195	18,446	18,180	17,955	16,857	21,087	22,214		
Sales to ultimate customers, total (Edison Electric Institute) ◇	.....mil. kw-hr..	2,855,811	2,442,576		600,394												
Electric Institute) ◇	.....mil. kw-hr..	630,260	659,121		155,535												
Commercial §.....	.....do	817,396	846,853		199,187												
Industrial §.....	.....do																
Railways and railroads.....	.....do	4,714	4,755		1,278												
Residential or domestic.....	.....do	820,826	850,334		224,419												
Street and highway lighting.....	.....do	14,921	14,596		3,607												
Other public authorities.....	.....do	62,038	62,442		15,207												
Interdepartmental.....	.....do	5,155	4,476		1,161												
Revenue from sales to ultimate customers (Edison Electric Institute) ◇	.....mil. \$..	152,814	155,869		37,206												
GAS ◇																	
Total utility gas, quarterly (American Gas Association):																	
Customers, end of period, total @ .....thous..		50,961			51,993												
Residential.....	.....do	46,818			47,651												
Commercial.....	.....do	3,915			4,054												
Industrial @.....	.....do	176			179												
Other.....	.....do	52			48												
Sales to customers, total .....tril. Btu..		11,126			3,806												
Residential.....	.....do	4,380			2,003												
Commercial.....	.....do	2,238			908												
Industrial.....	.....do	2,892			610												
Electric generation.....	.....do	1,449			235												
Other.....	.....do	167			49												
Revenue from sales to customers, total .....mil. \$..		51,194			17,418												
Residential.....	.....do	24,750			10,215												
Commercial.....	.....do	11,268			4,226												
Industrial.....	.....do	10,554			2,134												
Electric generation.....	.....do	3,949			648												
Other.....	.....do	673			196												

## FOOD AND KINDRED PRODUCTS; TOBACCO

<b>ALCOHOLIC BEVERAGES</b>																	
Beer:																	
Production.....	.....mil. bbl..	196,50	195,41	15,63	17,66	17,42	17,44	18,58	18,09	16,81	15,82	15,50	13,18	13,69	15,80		
Taxable withdrawals.....	.....do	178,72	177,85	13,74	15,81	15,91	16,14	16,62	17,04	15,82	14,31	14,47	12,58	12,32	13,80		
Stocks, end of period.....	.....do	13,42	12,94	14,67	15,44	15,47	15,44	15,42	14,74	14,17	14,20	13,66	12,85	12,94	13,47		
Distilled spirits (total):																	
Production.....	.....mil. tax gal..	85,70	76,51	6,31	7,79	7,68	6,82	5,86	4,74	4,21	6,52	9,24	6,72	4,41			
Consumption, apparent, for beverage purposes.....	.....mil. wine gal..	893,27	27,49	31,44	30,33	30,82	33,54	29,78	28,88	31,20	31,44	37,45					
Stocks, end of period.....	.....mil. tax gal..	500,72	455,00	494,72	492,99	492,69	488,01	477,79	473,48	469,86	464,20	543,57	455,00				
Imports.....	.....mil. proof gal..	108,59	106,89	13,07	7,69	7,45	8,05	7,74	7,40	8,50	8,25	10,57	12,79	6,96	7,71	6,22	
Whisky:																	
Production.....	.....mil. tax gal..	50,44	38,83	3,90	4,73	4,90	3,89	3,42	2,98	2,14	1,77	2,34	3,01	2,02			
Stocks, end of period.....	.....do	433,63	398,72	430,41	427,34	428,01	424,31	419,91	417,75	414,17	408,83	402,15	398,12	393,72			
Imports.....	.....mil. proof gal..	67,68	70,92	10,33	5,60	5,23	5,40	4,82	4,50	5,84	5,47	7,01	8,60	4,20	4,97	3,67	
Wines and distilling materials:																	
Effervescent wines:																	
Production.....	.....mil. wine gal..	30,86	27,87	2,77	2,01	1,12	1,60	1,74	2,50	3,03	2,86	3,31	2,80	2,30			
Taxable withdrawals.....	.....do	30,23	30,32	1,28	1,78	2,00	3,29	2,86	1,38	1,29	3,40	4,37	4,38	3,44			
Stocks, end of period.....	.....do	15,96	14,99	17,86	17,01	16,91	16,14	16,18	17,84	16,95	18,72	13,72	16,17	14,99			
Imports.....	.....do	14,30	13,87	.80	1,13	1,11	1,04	.81	.88	.96	1,05	1,96	2,45	1,23	.60	.72	
Still wines:																	
Production.....	.....do	482,34	441,58	5,21	5,02	5,82	4,51	5,13	7,58	96,15	176,15	78,80	25,70	24,78			
Taxable withdrawals.....	.....do	448,14	452,34	33,42	44,23	43,15	41,68	40,34	39,37	36,11	34,48	36,26	34,60	37,11			
Stocks, end of period.....	.....do	598,74	601,63	608,79	525,26	545,88</td											

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	1987												1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.

**FOOD AND KINDRED PRODUCTS; TOBACCO—Continued**

## **DAIRY PRODUCTS**

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		1987												1988			
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>FOOD AND KINDRED PRODUCTS; TOBACCO—Continued</b>																			
<b>GRAIN AND GRAIN PRODUCTS—Continued</b>																			
Wheat—Continued																			
Producer Price Indexes:																			
Hard red winter, No. 1, ord. protein (K.C.)																			
1982=100 ..	73.4	70.6	69.0	72.2	71.9	80.4	67.1	65.1	64.5	70.7	72.1	69.6	78.0	78.8	82.6	75.1			
Hard red spring, No. 1, ord. protein (Minn.)		72.5	68.8	68.3	65.0	64.4	70.3	66.5	65.7	64.4	69.9	72.6	70.6	77.7	76.5	83.7	75.5		
Wheat flour:																			
Production:																			
Flour.....thous. sacks (100 lb.)..	341,166	351,040	27,970	28,992	27,457	29,968	29,753	28,236	29,545	29,919	31,827	30,227	28,558	25,858	26,880				
Millfeed.....thous. sh. tons..	6,011	6,241	506	512	507	584	582	508	523	524	555	533	504	460	465				
Grindings of wheat.....thous. bu..	758,468	784,446	61,581	63,819	63,513	67,648	66,875	63,883	65,962	66,876	70,793	67,722	64,107	58,158	58,887				
Stocks held by mills, end of period																			
thous. sacks (100 lb.)..	5,228	5,765	5,788	6,176															
Exports.....do ..	23,741	26,367	1,508	2,417	2,852	2,856	2,233	2,633	1,902	1,528	1,081	2,777	1,779	3,057	883				
Producer Price Index .....	6/83=100 ..	91.4	89.7	89.1	89.2	89.8	98.5	90.1	88.4	88.0	90.1	91.3	90.1	90.0	91.1	94.3	90.8		
<b>POULTRY AND EGGS</b>																			
Poultry:																			
Slaughter.....mil. lb..	18,039	19,874	1,422	1,595	1,592	1,589	1,772	1,751	1,662	1,806	1,848	1,598	1,694	1,618	1,507				
Stocks, cold storage (frozen), end of period,																			
total.....mil. lb..	369	501	409	427	457	513	593	676	745	842	841	530	501	526	562	593			
Turkeys.....do ..	178	282	211	226	251	298	382	473	560	641	630	322	282	299	335	353			
Price, in Georgia producing area,																			
live broilers.....\$ per lb..	.325	.270	.275	.270	.270	.280	.250	.255	.290	.270	.230	.235	.220	.245	.230	.250			
Eggs:																			
Production on farms.....mil. cases \$..	190.0	193.0	14.9	16.7	16.1	16.3	15.6	16.1	16.1	15.8	16.5	16.1	16.7	16.6	15.7	16.6			
Stocks, cold storage, end of period:																			
Shell.....thous. cases \$..	22	43	25	32	28	38	32	34	32	33	51	40	43	67	53	67			
Frozen.....mil. lb..	13	17	13	14	15	17	17	17	16	18	17	17	18	18	14				
Price, wholesale, large (delivered; Chicago)																			
\$ per doz..	.681	.579	.620	.592	.590	.518	.556	.554	.587	.648	.555	.563	.521	.512	.489	.536			
<b>LIVESTOCK</b>																			
Cattle and calves:																			
Slaughter (federally inspected):																			
Calves.....thous. animals..	3,195	2,679	225	251	215	189	214	220	202	229	233	211	242	205	203	216			
Cattle.....do ..	35,913	34,468	2,564	2,805	2,875	2,780	2,945	3,009	2,972	3,024	2,640	2,793	2,832	2,679	2,812				
Prices, wholesale:																			
Beef steers (Omaha).....\$ per 100 lb..	57.74	64.60	61.02	61.58	66.30	70.66	68.83	65.80	64.50	64.81	64.81	64.20	63.93	65.00	68.31	71.53			
Steers, stocker and feeder (Kansas City).....do ..	60.38	71.32	69.01	68.47	70.56	70.53	70.21	71.22	75.31	77.10	73.21	74.92	73.69	80.26	81.64	83.12			
Calves, vealers (So. St. Paul).....do ..	59.92	78.92	68.28	70.00	75.00	90.63	77.50	79.22	80.25	82.50	83.00	86.88	87.50						
Hogs:																			
Slaughter (federally inspected)....thous. animals..	77,290	78,913	5,886	6,787	6,492	7,922	5,987	6,019	6,019	6,855	7,519	7,121	7,583	6,803	6,519	7,505			
Prices:																			
Wholesale, average, all weights (Sioux City).....\$ per 100 lb..	50.73	47.11	49.08	48.67	52.10	55.79	61.37	62.69	60.56	55.19	49.28	40.74	41.56	44.59	47.45	48.19			
Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog).....	26.1	33.6	33.9	32.2	33.4	32.8	35.7	37.3	39.9	36.4	31.3	25.1	23.4	24.3	25.0	22.8			
Sheep and lambs:																			
Slaughter (federally inspected)....thous. animals..	5,464	5,042	390	432	477	363	407	411	400	459	446	399	439	380	408	535			
Price, wholesale, lambs, average (Omaha).....\$ per 100 lb..	67.54	75.77	74.62	82.50	85.50	89.94	85.42	74.02	70.86	67.14	66.00	68.50	72.44	78.17	79.38	79.50			
<b>MEATS</b>																			
Total meats (excluding lard):																			
Production.....mil. lb..	39,050	38,442	2,875	3,197	3,160	2,975	3,103	3,158	3,135	3,831	3,521	3,197	3,378	3,242	3,070	3,854			
Stocks, cold storage, end of period.....do ..	564	623	599	598	591	560	499	516	496	523	576	614	623	656	693	716			
Exports (meats and meat preparations).....do ..	1,722	2,017	133	151	157	176	167	177	178	180	176	191	181	159	153				
Imports (meats and meat preparations).....do ..	2,544	2,755	218	236	240	222	268	277	244	249	244	191	156	290	238				
Beef and veal:																			
Production, total.....do ..	24,722	23,821	1,780	1,945	1,962	1,883	1,993	2,051	2,037	2,075	2,134	1,860	1,960	1,975	1,860	1,958			
Stocks, cold storage, end of period.....do ..	318	293	313	317	318	285	257	283	273	290	312	309	293	317	322	318			
Exports.....do ..	884	868	64	69	66	69	69	76	71	77	78	80	72	65	60				
Imports.....do ..	1,505	1,599	131	140	143	132	168	178	149	150	135	90	86	198	134				
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.).....\$ per lb..	.890	.972	.917	.929	1.009	1.078	1.057	.993	.954	.969	.968	.953	.945	.972	.995	1.035			
Lamb and mutton:																			
Production, total.....mil. lb..	330	310	24	27	29	22	24	25	24	28	28	25	28	24	26	35			
Stocks, cold storage, end of period.....do ..	13	8	14	14	13	'14	'12	9	8	7	7	9	8	8	8	7			
Pork (excluding lard):																			
Production, total.....do ..	13,998	14,312	1,070	1,226	1,170	1,071	1,086	1,082	1,075	1,227	1,359	1,312	1,390	1,244	1,183	1,360			
Stocks, cold storage, end of period.....do ..	197	285	229	222	218	219	189	181	175	186	212	212	222	227	237	346			
Exports.....do ..	133	155	9	12	11	14													

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BUSINESS STATISTICS: 1986

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	

## FOOD AND KINDRED PRODUCTS; TOBACCO—Cont.

MISCELLANEOUS FOOD PRODUCTS—Cont.																	
Sugar:																	
Exports, raw and refined.....sh. tons ..	454,394	617,947	49,937	62,915	85,425	87,812	34,371	52,906	27,609	26,994	38,431	32,577	40,787	11,435	25,483	.....	
Imports, raw and refined.....thous. sh. tons ..	1,913	1,275	129	140	146	116	74	167	65	139	87	128	51	78	104	.....	
Producer Price Indexes:																	
Raw (cane).....1982=100 ..	104.9	110.3	109.5	109.9	110.3	110.7	111.0	111.6	111.2	110.9	110.6	110.1	109.8	*109.7	111.4	111.4	
Refined.....do ..	103.3	106.5	105.3	105.1	106.5	106.3	106.8	107.2	107.1	107.4	107.1	*107.1	106.8	*106.5	106.7	106.7	
Tea, imports.....thous. lb. ....	197,963	170,616	14,495	19,830	14,634	16,835	12,421	12,838	13,538	11,207	15,569	12,562	11,480	14,877	15,800	.....	
TOBACCO																	
Leaf:																	
Production (crop estimate).....mil. lb. ....	'1,164	'1,226															
Stocks, dealers' and manufacturers', end of period.....do ..	4,979	4,471			4,775				'4,435					'4,454		4,471	
Exports, incl. scrap and stems .....thous. lb. ....	466,630	425,886	25,988	43,120	41,899	32,270	20,732	19,408	15,658	21,640	28,096	53,734	64,842	72,022	37,692	.....	
Imports, incl. scrap and stems .....do ..	457,658	489,861	50,385	45,474	24,782	50,250	38,027	53,679	47,834	30,372	40,936	43,352	33,185	33,369	28,984	.....	
Manufactured products:																	
Consumption (withdrawals):																	
Cigarettes (small):																	
Tax-exempt.....millions. ....	74,301	111,200	6,952	8,467	8,077	8,728	11,608	9,547	10,136	10,136	11,110	10,488	9,511				
Taxable.....do ..	583,020	576,998	42,666	52,980	42,212	50,996	61,753	37,894	49,814	50,955	48,564	52,556	48,508				
Cigars (large), taxable.....do ..	2,909	2,647	206	226	204	225	281	181	211	245	241	203	207				
Exports, cigarettes .....do ..	63,945	100,246	6,663	7,466	7,169	8,786	9,026	8,965	9,835	9,695	9,639	8,996	8,985	7,583	9,500	.....	

## LEATHER AND PRODUCTS

LEATHER																	
Exports:																	
Upper and lining leather.....thous. sq. ft. ....	160,888	194,152	15,625	19,865	18,874	18,818	19,585	15,455	15,015	14,806	18,557	15,703	14,677	16,038	18,431	.....	
Producer Price Index, leather.....1982=100 ..	122.9	140.9	129.4	131.9	137.5	140.5	143.1	142.3	141.0	145.6	148.6	*149.6	152.8	*156.0	159.0	177.6	
LEATHER MANUFACTURES																	
Footwear:																	
Production, total.....thous. pairs ..	241,388	*220,508	18,351	19,376	18,959	18,885	20,025	15,622	19,852	20,159	19,947	17,641	*14,854	15,349	18,304	.....	
Shoes, sandals, and play shoes, except athletic.....thous. pairs. ....	176,111	15,348	15,674	15,456	14,848	14,929	12,240	(*)	(*)	(*)	(*)	12,108	(*)	(*)			
Slippers.....do ..	55,927	2,488	3,182	2,932	2,989	4,480	2,897	3,985	4,282	4,297	3,823	*2,252	2,675	3,470			
Athletic.....do ..	9,350	515	520	571	548	616	485	(*)	(*)	(*)	(*)	494	(*)	(*)			
Other footwear.....do ..	2,971	4,150	473	378	458	485	322	215	294	323	266	230	267	282			
Exports.....do ..	10,277	*14,713	'1,194	*1,239	*1,066	*988	*1,175	*1,226	*1,268	*1,285	*1,425	*1,539	*1,236	*1,278	1,603		
Producer Price Indexes:																	
Men's leather upper, dress and casual 1982=100 ..	107.2	111.4	109.0	109.5	109.4	109.4	109.8	111.8	113.0	113.3	114.1	112.7	116.0	*117.3	120.1	120.0	
Women's leather upper.....do ..	104.3	107.3	105.7	106.4	106.7	106.7	106.5	107.1	107.5	108.9	108.3	*108.3	109.6	*109.4	111.5	111.9	
Women's plastic upper.....do ..	106.6	*104.8	102.3	106.7	105.1	107.0	95.0	104.5	105.9	105.8	*106.6	107.2	*107.4	107.5	107.5		

## LUMBER AND PRODUCTS

LUMBER—ALL TYPES #																	
National Forest Products Association:																	
Production, total.....mil. bd. ft. ....	*42,676	46,053	3,307	3,742	3,616	3,518	3,905	3,662	3,737	3,617	3,942	3,458	*3,829	3,814			
Hardwoods.....do ..	*27,403	8,143	384	393	449	430	461	470	613	586	620	279	*998	955			
Softwoods.....do ..	*25,273	37,910	2,923	3,349	3,167	3,088	3,444	3,192	3,124	3,031	3,122	2,870	*2,881	2,859			
Shipments, total.....do ..	*42,618	47,090	3,302	3,735	3,686	3,656	4,089	3,671	3,812	3,540	4,084	3,470	*3,865	3,790			
Hardwoods.....do ..	*27,486	9,045	453	480	499	471	492	480	609	646	609	301	*1,023	1,025			
Softwoods.....do ..	*25,132	38,045	2,849	3,255	3,187	3,185	3,547	3,191	3,163	2,981	3,388	2,836	2,842	2,765			
Stocks (gross), mill, end of period, total.....do ..	6,549	6,183	6,625	6,607	6,554	6,432	6,233	6,237	5,979	6,088	6,002	5,970	6,183	6,251			
Hardwoods.....do ..	1,509	1,412	1,513	1,404	1,373	1,385	1,306	1,309	1,224	1,233	1,213	1,147	1,412	1,384			
Softwoods.....do ..	5,040	4,771	5,112	5,203	5,181	5,097	4,927	4,928	4,755	4,855	4,787	4,828	4,771	4,867			
Exports, total sawmill products.....do ..																	
Imports, total sawmill products.....do ..	14,607	15,217	1,222	1,329	1,293	1,332	1,383	1,329	1,182	1,449	1,264	1,210	1,146	991	1,134		
SOFTWOODS																	
Douglas fir:																	
Orders, new.....mil. bd. ft. ....	9,570	10,219	824	1,082	843	966	976	804	896	700	860	704	717	758	734	.....	
Orders, unfilled, end of period.....do ..	668	547	732	783	728	753	704	695	746	625	568	555	547	618	573		
Production.....do ..	9,412	10,191	861	1,009	892	883	964	824	835	826	849	745	678	716	809		
Shipments.....do ..	9,430	10,340	883	981	941	1,026	813	845	821	917	717	725	687	779			
Stocks (gross), mill, end of period.....do ..	881	732	910	938	932	874	813	824	814	819	751	779	732	761	791		
Exports, total sawmill products.....do ..	522	684	56	61	56	55	53	57	54	57	60	62	55	61			
Sawed timber.....do ..	105	138	13	10	14	9	21	8	9	8	8	9	13	7	10		
Boards, planks, scantlings, etc. ....do ..	417	546	43	46	47	34	45	48	45	48	48	52	49	48	51		
Producer Price Index, Douglas fir, dressed 1982=100 ..	124.5	124.8	122.6	122.4	122.7	121.3	121.5	124.6	127.6	138.2	128.2	126.1	124.0	*131.1	130.4	131.4	

See footnotes at end of tables.

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BUSINESS STATISTICS: 1986

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	

## LUMBER AND PRODUCTS—Continued

SOFTWOODS—Continued																	
Southern pine:																	
Orders, new.....mil. bd. ft..	11,593	12,575	957	977	1,092	1,116	1,156	857	1,035	761	1,213	891	1,024	843			
Orders, unfilled, end of period .....	710	835	849	828	806	936	1,005	792	848	600	681	618	835	894			
Production.....do.....	11,678	12,437	912	1,008	1,092	988	1,071	1,086	1,007	1,004	1,102	929	994	988			
Shipments.....do.....	11,562	12,450	920	997	1,114	997	1,092	1,074	1,016	953	1,091	956	947	909			
Stocks (gross), mill and concentration yards, end of period.....mil. bd. ft..	2,010	1,997	1,982	1,992	1,969	1,972	1,949	1,960	1,950	2,001	2,013	1,986	1,997	2,026			
Exports, total sawmill products .... thou. bd. ft..	187,258	263,166	20,611	20,159	12,174	24,865	19,877	18,413	13,738	21,243	30,856	31,673	29,668	30,745	27,715		
Producer Price Index, southern pine, dressed.....1982=100 ..	104.9	114.1	106.8	111.5	112.8	111.5	116.1	122.9	120.7	120.8	113.7	113.5	115.7	118.2	119.0	118.5	
Western pine:																	
Orders, new.....mil. bd. ft..	10,500	11,294	889	1,016	880	966	1,074	891	1,029	801	1,064	849	878	968	949		
Orders, unfilled, end of period .....	451	524	590	594	583	582	607	551	581	528	548	505	524	619	605		
Production.....do.....	10,482	11,274	882	1,035	885	928	1,051	928	994	892	1,045	923	871	879	986		
Shipments.....do.....	10,482	11,221	882	1,012	891	967	1,049	947	999	854	1,044	892	859	873	963		
Stocks (gross), mill, end of period..	1,312	1,365	1,327	1,350	1,344	1,305	1,307	1,288	1,288	1,321	1,322	1,353	1,365	1,371	1,394		
Producer Price Index, other softwood, dressed.....1982=100 ..	109.7	118.9	118.4	119.7	120.0	117.8	119.0	119.0	119.9	124.4	120.4	119.4	116.3	116.0	117.1	120.2	
HARDWOOD FLOORING																	
Oak:																	
Orders, unfilled, end of period .....mil. bd. ft..	7.5	11.0	9.4	11.5	12.9	11.3	13.5	16.1	13.9	11.8	12.8	10.7	11.0	11.3	10.9		
Shipments.....do.....	145.8	173.9	12.3	14.6	18.6	14.1	15.9	14.5	15.8	16.8	17.3	14.3	12.2	15.0	15.2		
Stocks (gross), mill, end of period..	7.4	8.7	6.9	6.2	5.9	5.7	5.9	6.2	6.6	7.8	8.6	8.5	8.7	9.6			

## METALS AND MANUFACTURES

IRON AND STEEL																	
Exports:																	
Steel mill products.....thous. sh. tons ..	929	1,129	87	84	92	115	99	84	91	99	86	114	110	89	100		
Scrap.....do.....	11,704	10,367	728	798	900	638	1,258	1,072	862	779	809	782	1,009	649	630		
Pig iron.....do.....	47	50	1	22	1	2	12	1	4	2	2	2	2	15			
Imports:																	
Steel mill products.....do.....	20,698	20,414	1,852	1,807	1,529	1,898	1,697	1,723	1,624	1,600	1,651	1,812	1,728	1,810	1,916		
Scrap.....do.....	724	843	76	58	50	55	60	62	47	71	88	89	125	86			
Pig iron.....do.....	295	355	14	38	13	21	30	14	28	25	53	53	54	136	54		
Iron and Steel Scrap																	
Production.....thous. sh. tons ..	26,333	24,781	1,803	1,963	2,150	2,063	2,142	2,044	2,089	2,187	2,288	2,111	2,092				
Receipts, net.....do.....	37,928	46,287	3,427	3,869	3,684	3,520	3,682	3,490	3,929	4,184	4,667	4,350	4,289				
Consumption.....do.....	65,856	69,737	5,025	5,683	5,751	5,714	5,667	5,434	6,001	6,255	6,624	6,184	6,214				
Stocks, end of period .....	4,344	4,420	4,366	4,411	10,124	4,260	4,316	4,363	4,291	4,279	4,505	4,695	4,811				
Composite price, No. 1 heavy melting scrap: American Metal Market *.....\$ per long ton....	74.17	85.73	77.61	74.97	73.72	74.94	76.67	78.29	82.73	91.35	109.90	109.69	101.37	99.72	114.55		
Ore																	
Iron ore (operations in all U.S. districts):																	
Mine production.....thous. lg. tons ..	38,825		3,029	3,258	3,076	4,000	4,064	3,521	4,116	4,623							
Shipments from mines.....do.....	41,327		254	900	3,437	4,844	5,128	4,819	5,117	5,406							
Imports.....do.....	16,749	16,601	438	981	1,159	1,580	1,948	1,173	1,817	1,452	1,493	2,238	1,415	1,467	986		
U.S. and foreign ores and ore agglomerates: Receipts at iron and steel plants.....do.....	51,307	58,596	1,052	2,209	4,479	5,159	6,127	6,078	5,994	6,330	6,662	6,292	6,598	4,559			
Consumption at iron and steel plants.....do.....	55,283	60,087	3,928	4,890	5,081	5,834	5,035	4,684	5,139	5,194	5,450	5,395	5,765	5,751			
Exports (domestic).....do.....	6,501	6,121	(2)	22	440	911	1,463	414	488	626	647	441	644	223	27		
Stocks, total, end of period .....	22,133		21,750	20,910	19,885	19,024	19,196	19,397	21,570	19,508							
At mines.....do.....	3,255		8,127	10,495	10,124	9,281	8,225	6,927	8,311	5,142							
At furnace yards.....do.....	17,163	16,304	11,660	9,522	9,204	9,027	10,006	11,350	12,207	18,343	14,554	15,452	16,304				
At U.S. docks.....do.....	1,987	2,024	1,963	903	557	716	965	1,120	1,052	1,028	1,485	1,566	2,024				
Manganese (manganese content), general imports.....do.....	883	801	31	46	64	57	95	57	58	62	85	116	101	189	144		
Pig Iron and Iron Products																	
Pig iron:																	
Production (including production of ferroalloys).....thous. sh. tons ..	43,952	48,187	3,069	3,891	4,048	4,256	4,079	4,235	4,165	4,208	4,407	4,351	4,447	4,683	4,443	4,842	
Consumption.....do.....	41,789	49,584	3,052	4,122	4,222	4,200	4,123	4,255	4,327	4,327	4,664	4,599	4,647				
Stocks, end of period .....	226	274	214	222	223	244	239	258	262	260	256	275	274				
Castings, gray and ductile iron:																	
Shipments, total.....thous. sh. tons ..	8,933	9,598	713	837	874	796	875	786	774	797	962	770	790	764	724		
For sale.....do.....	5,536	6,342	484	549	553	524	559	535	539	482	650	538	461	428	477		
Castings, malleable iron:																	
Shipments, total.....do.....	320	431	33	39	40	34	41	32	30	39	42	30	35	35	33		
For sale.....do.....	154	202	16	17	17	17	20	14	16	19	19	18	18	18	16		

See footnotes at end of tables.

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**METALS AND MANUFACTURES—Continued**

MATERIALS AND MANUFACTURES																		
CONTINUED																		
Steel, Raw and Semifinished																		
Steel (raw):																		
Production.....	thous. sh. tons..	81,606	"89,151	"5,992	7,375	7,402	7,641	7,349	7,324	7,494	7,694	8,073	7,882	7,916	8,380	7,984	8,76	
Rate of capability utilization .....	percent..	63.8	"79.5	"69.5	77.3	80.3	80.2	79.7	77.3	79.1	83.9	84.4	85.2	82.8	88.1	89.7	92.	
Steel castings:																		
Shipments, total.....	thous. sh. tons..	829	"874	76	82	63	59	61	67	73	80	80	78	80	"72	81		
For sale, total.....	do.....	799	"850	73	77	61	57	59	65	72	78	79	77	"70	79			
Steel Mill Products																		
Steel products, net shipments:																		
Total (all grades).....	thous. sh. tons..	"70,263	"76,654	5,527	6,284	6,312	6,247	6,656	6,295	6,364	6,726	7,077	6,606	6,977	6,608	6,848		
By product:																		
Semifinished products.....	do.....	4,954	"5,456	413	510	539	519	541	485	546	574	545	550	525	569	515		
Structural shapes (heavy),																		
steel piling.....	do.....	"4,528	"5,120	369	412	412	354	458	434	429	469	487	444	446	445	470		
Plates.....	do.....	3,565	"4,048	255	294	319	315	328	343	345	382	415	398	429	593	608		
Rails and accessories.....	do.....	640	"515	37	48	43	45	39	37	40	39	54	40	40	38	42		
Bars and tool steel, total.....	do.....	12,171	"13,575	965	1,106	1,067	1,069	1,117	1,037	1,089	1,189	1,176	1,114	1,082	1,080	1,187		
Bars: Hot rolled (including light shapes).....	do.....	6,559	"7,238	540	630	602	577	656	473	591	676	671	607	582	581	742		
Bars: Reinforcing.....	do.....	4,299	"4,918	316	356	348	380	342	361	380	390	371	388	385	323	329		
Bars: Cold finished.....	do.....	1,257	1,361	105	115	112	107	115	114	113	118	128	114	110	121	111		
Pipe and tubing.....	do.....	2,836	3,570	207	234	254	288	341	317	323	340	370	349	359	363	365		
Wire and wire products.....	do.....	1,080	"1,105	88	101	107	94	97	94	87	90	95	84	75	88	94		
Tin mill products.....	do.....	3,802	3,988	280	293	338	336	358	361	351	339	317	297	435	260	274		
Sheets and strip (including electrical),																		
total.....	do.....	36,686	39,279	2,913	3,237	3,238	3,227	3,877	3,184	3,154	3,303	3,617	3,835	3,586	3,220	3,295		
Sheets: Hot rolled.....	do.....	"12,167	13,048	969	1,115	1,096	1,066	1,112	1,075	1,023	1,041	1,163	1,110	1,238	1,009	1,033		
Sheets: Cold rolled.....	do.....	"13,250	13,859	1,020	1,117	1,135	1,158	1,200	1,124	1,126	1,163	1,297	1,142	1,245	1,127	1,141		
By market (quarterly):																		
Service centers and distributors.....	do.....	"15,251	"18,629		3,873			4,113			4,925			5,291	"1,610	"1,620		
Construction, incl. maintenance.....	do.....	"5,141	5,619		1,302			1,335			1,474			1,470	"491	"480		
Contractors' products.....	do.....	"2,559	2,701		546			613			700			807	"281	"232		
Automotive.....	do.....	"9,871	"11,135		3,065			2,415			2,467			2,765	"889	"950		
Rail transportation.....	do.....	"674	734		160			157			176			218	"81	"105		
Machinery, industrial equip., tools.....	do.....	"1,323	2,096		488			372			521			563	"210	"204		
Containers, packaging, ship., materials.....	do.....	4,075	4,371		921			1,127			1,146			1,158	"337	"302		
Other.....	do.....	"23,367	"31,337		7,082			6,841			7,981			8,392	"2,759	"2,955		
Producing steel mills, inventory, end of period:																		
Total.....	mil. sh. tons..	13.2	12.4	12.5	12.5	12.5	12.5	12.5	12.3	12.3	12.1	12.0	11.7	12.4	12.8			
Steel in process.....	do.....	7.3	6.9	7.0	7.0	7.0	7.0	6.8	6.8	6.8	6.6	6.6	6.5	6.9	7.2			
Finished steel.....	do.....	5.9	5.5	5.5	5.5	5.5	5.5	5.7	5.7	5.5	5.5	5.4	5.2	5.5	5.6			
Service centers (warehouses), inventory, end of period.....	mil. sh. tons..	5.7	6.4	5.9	5.8	5.8	5.8	5.7	5.8	5.7	5.7	5.8	6.0	6.4				
NONFERROUS METALS AND PRODUCTS																		
Aluminum:																		
Production, primary (dom. and foreign ores).....	thous. met. tons..	3,036	3,843	238	266	263	275	272	282	286	286	301	301	316	"320	304		
Recovery from scrap †.....	do.....	1,739	1,847	149	160	160	150	156	155	158	160	155	152	145	149	155		
Imports (general):																		
Metal and alloys, crude.....	do.....	1,468.4	1,378.0	124.6	111.1	106.3	114.9	138.6	120.6	106.1	105.3	124.2	108.6	101.6	111.6	101.4		
Plates, sheets, bars, etc.....	do.....	495.3	452.8	40.7	41.9	31.1	40.2	39.4	39.5	32.8	33.0	42.1	38.2	37.2	36.0	36.4		
Exports:																		
Metal and alloys, crude.....	do.....	228.6	309.9	26.3	23.5	26.0	16.8	16.1	29.0	30.6	30.7	22.7	32.1	39.1	20.3	15.1		
Plates, sheets, bars, etc.....	do.....	203.3	284.5	25.5	24.2	24.1	23.7	28.5	19.4	23.2	20.6	22.9	25.6	26.8	25.8	25.5		
Price, U.S. market, 99.7% purity, monthly average.....	\$ per lb..	.5587	.7229	.5945	.6254	.6497	.6890	.7254	.7424	.8166	.8069	.8439	.8016	.8339	.8971	.9628	1.070	
Aluminum products:																		
Shipments:																		
Ingot and mill prod. (net ship.).....	mil. lb..	"14,386	"15,588	"1,242	"1,329	"1,284	"1,306	"1,431	"1,348	"1,260	"1,334	"1,313	"1,219	"1,354	1,171			
Mill products, total.....	do.....	"11,416	"12,234	917	"1,063	"1,023	"1,020	"1,147	"1,052	"1,010	"1,033	"1,088	"944	"1,055	910			
Sheet and plate.....	do.....	6,629	"3,737	543	"644	"615	616	699	619	594	621	613	566	696	536			
Casting.....	do.....	2,187	2,056	180	195	185	169	170	137	157	169	192	176	154	164			
Inventories, total (ingot, mill products, and scrap), end of period.....	mil. lb..	4,928	4,175	"4,772	"4,696	"4,584	4,515	"4,474	"4,393	"4,303	"4,152	"4,211	"4,245	"4,175	4,345			
Copper:																		
Production:																		
Mine, recoverable copper.....	thous. met. tons..	1,147.3	1,274.7	94.4	108.7	100.8	106.7	104.0	106.6	109.9	108.0	107.5	111.3	113.1	113.8			
Refined from primary materials.....	do.....	"1,073.2	"1,146.0	"86.8	"86.6	"79.9	"85.1	"94.0	"90.5	"90.2	"102.8	"109.8	"111.8	"115.6	103.6			
Electrolytically refined:																		
From domestic ores.....	do.....	"947.9	"987.1	"76.1	"75.3	"68.7	"72.7	"80.6	"76.5	"76.8	"89.0	"95.4	"95.9	"98.5	86.7			
From foreign ores.....	do.....	40.2																
Electrorefined.....	do.....	125.4	"158.9	10.7	"11.3	11.2	"12.4	"13.4	"14.0	"13.4	"13.8	"14.4	"15.9	"17.1	17.0			
Refined from scrap ♦.....	do.....	"406.2	"414.6	"31.6	"40.1	"44.3	"34.0	"35.1	"29.5	"33.2	"34.5	"35.8	"30.8	"37.1	33.8			
Imports, unmanufactured (general):																		
Refined, unrefined, scrap (copper cont.).....	do.....	667.5	657.3	50.7	63.7	48.2	72.0	80.2	45.7	57.3	42.4	50.5	56.3	48.6	68.4	64.1		
Refined	do.....	503.1	515.6	38.7	55.8	38.9	60.2	69.3	37.0	45.0	28.6	35.9	40.8	31.1	49.4	38.0		
Exports:																		
Refined and scrap.....	do.....	497.1	454.8	40.5	46.3	40.8	28.4	33.0	39.7	38.0	36.5	36.1	38.5	50.5	35.5	50.2		
Refined	do.....	14.9	17.9	1.9	2.4	2.8	.8	1.1	.6	.5	.8	.7	2.3	3.2	4.9	2.0		
Consumption, refined																		
(reported by mills, etc.) ♦.....	do.....	"2,102	"2,176	"175	"206	191	"172	"192	"149	"179	"189	"189	184	"181	180			
Stocks, refined, end of period ♦.....	do.....	"225	"173	"208	"185	"183	"177	"171	"199	"187	"177	"149	"114	"112	119			
Price, avg. U.S. producer cathode, delivered \$	\$ per lb..	.6605	.8249	.6552	.6807	.6713	.7098	.7435	.8042	.8218	.8561	.8885	1.0853	1.3392	1.3250			

See footnotes at end of tables

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## METALS AND MANUFACTURES—Continued

NONFERROUS METALS AND PRODUCTS—Continued																
Copper-base mill and foundry products, shipments (quarterly total):																
Brass mill products..... mil. lb.																
Brass mill products..... mil. lb.	2,318	2,622		772				637		598				615		
Copper wire mill products (copper content)..... do .....	1,792	1,946		473				483		498				492		
Brass and bronze foundry products..... do .....	478	528		127				135		131				135		
Lead:																
Production:																
Mine, recoverable lead..... thous. met. tons.	338.0	310.5		23.6		27.8		23.5		27.0		26.2		28.9		24.0
Recovered from scrap (lead cont.)..... do .....	614.9	782.1		49.9		54.4		55.6		59.3		53.9		59.9		63.4
Imports (general), ore (lead content), metal..... do .....	103.4	240.3		11.6		2.6		17.8		20.3		23.5		26.2		24.3
Consumption, total..... do .....	1,124.8	191.5		85.8		99.8		97.8		98.0		100.2		94.3		99.7
Stocks, end of period:																
Producers' ore, base bullion, and in process (lead content), ABMS..... thous. met. tons..	74.0	59.2		53.4		59.2		56.6		56.5		58.4		58.6		67.7
Refiners' (primary), refined and antimonial (lead content)..... thous. met. tons..	20.0	21.6		33.8		35.6		28.6		29.6		18.6		10.6		11.0
Consumers' (lead content) ◊ ..... do .....	83.8	67.7		58.1		59.5		58.0		60.7		59.5		60.9		64.3
Scrap (lead-base purchased), all smelters (gross weight)..... thous. met. tons..	19.4	24.0		20.2		18.7		18.6		17.9		23.8		25.5		27.6
Price, common grade, delivered @@ \$ per lb....	.2205	.3594		.2604		.2600		.2784		.3495		.3693		.4167		.4200
Tin:																
Imports (for consumption):																
Ore (tin content)..... metric tons ..	4,080	2,967		727		195		387		154		732		422		56
Metal, unwrought, unalloyed..... do .....	35,768	41,151		8,347		3,084		5,448		3,427		8,036		4,196		3,009
Recovery from scrap, total (tin cont.)..... do .....	7,243	11,984		817		982		859		807		916		786		875
As metal..... do .....	714	1,457		137		153		150		134		110		114		94
Consumption, total..... do .....	50,100	51,900		8,900		4,200		4,700		4,300		4,200		4,400		4,400
Primary..... do .....	37,400	39,800		2,900		3,200		3,400		3,300		3,200		3,500		3,600
Exports, incl. reexports (metal)..... do .....	3,022	1,701		120		200		249		137		164		180		135
Stocks, pig (industrial), end of period..... do .....	4,802	4,428		6,394		6,321		7,263		8,087		6,663		4,288		5,373
Price, Straits quality (delivered)..... \$ per lb..	*3,6991	4,1878		4,1715		4,1401		4,1830		4,2179		4,1449		4,0309		4,1148
Zinc:																
Mine prod., recoverable zinc..... thous. met. tons..	203.0	213.2		18.2		17.9		17.7		17.5		17.8		17.5		18.8
Imports (general):																
Ores (zinc content)..... do .....	197.7	425.5		28.5		28.3		28.2		40.0		37.2		35.7		38.5
Metal (slab, blocks)..... do .....	667.1	705.9		51.9		64.8		58.7		50.7		53.4		66.4		68.5
Consumption (recoverable zinc content):																
Ores..... do .....	21.9	6.0		.5		.5		.5		.5		.5		.5		.5
Scrap, all types..... do .....	273.8	285.6		22.4		23.7		22.6		23.5		23.8		24.8		23.4
Slab zinc: @																
Production, total †..... thous. met. tons..	269.9	220.5		24.3		25.6		23.0		16.5		16.6		13.6		14.9
Consumption, fabricators..... do .....	706.0	1,037.0		55.1		63.9		59.1		59.0		60.6		55.6		60.1
Exports..... do .....	1.9	1.1		.2		(*)		(*)		(*)		.1		.2		.3
Stocks, end of period:																
Producers' at smelter (ABMS)..... do .....	15.5	7.0		19.5		18.7		15.6		10.9		9.7		7.4		7.1
Consumers'..... do .....	154.2	45.5		44.4		41.2		41.5		43.1		44.1		44.3		43.5
Price, high grade..... \$ per lb..	.3800	.4192		.3838		.3770		.3819		.4223		.4505		.4567		.4448
MACHINERY AND EQUIPMENT																
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly # ... mil. \$	148.2	226.0		28.9				48.2				101.0				49.4
Electric processing heating equipment..... do .....	65.5	54.9		11.7				17.2				15.3				10.8
Fuel-fired processing heating equip..... do .....	82.6	171.1		17.2				31.0				85.7				38.6
Material handling equipment (industrial):																
Shipments †..... do .....																
Industrial supplies, machinery and equipment:																
New orders index, seas. adjusted... 1977=100 ..	119.1	128.7		124.3		126.9		123.2		128.0		126.3		124.6		128.0
Industrial suppliers distribution:																
Sales index, seas. adjusted... 1977=100 ..	145.0	145.7		138.7		143.6		151.1		148.0		140.5		149.6		151.5
Inflation index, not seas. adj. (tools, material handling equip., valves, fittings, abrasives, fasteners, metal products, etc.)... 1977=100 ..	164.7	166.6		165.8		165.9		166.2		166.3		166.5		166.9		167.1
Fluid power products shipments indexes:																
Hydraulic products §..... 1985=100 ..	98	107		103		112		115		109		117		111		104
Pneumatic products §..... do .....	98	105		97		107		102		100		104		113		109
Machine tools:																
Metal cutting type tools:																
Orders, new (net), total..... do .....	1,544.25	1,451.45		103.70		124.45		79.55		144.80		114.95		102.10		96.35
Domestic..... do .....	1,376.55	1,294.45		98.35		107.55		65.15		139.60		98.85		84.60		90.25
Shipments, total..... do .....	1,890.30	1,676.50		99.25		138.65		115.85		161.65		165.10		136.30		118.35
Domestic..... do .....	1,684.70	1,498.85		88.80		118.20		102.10		146.00		148.20		127.90		99.85
Order backlog, end of period..... do .....	897.2	672.2		889.4		874.2		837.9		821.0		770.9		736.7		714.7
Metal forming type tools:																
Orders, new (net), total..... do .....	581.05	667.35		49.15		40.75		50.75		43.30		87.80		60.90		45.65
Domestic..... do .....	506.80	536.05		43.10		28.70		45.00		36.50		78.45		43.90		36.60
Shipments, total..... do .....	688.20	647.15		47.35		43.85		56.50		46.95		68.05		61.50		40.05
Domestic..... do .....	621.35	537.90		42.65		35.85		48.05		43.80		54.65		54.35		33.60
Order backlog, end of period..... do .....	307.1	327.3		320.2		317.0		311.3		307.6		327.4		326.8		322.4
See footnotes at end of tables.																

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>MACHINERY AND EQUIPMENT—Continued</b>																	
Tractors used in construction, shipments, qtrly:																	
Tracklaying (ex. shovel loaders).....	units	8,440	9,657		1,739			2,891			2,706			2,821			
mil. \$ ..		821.2	970.8		161.2			278.4			270.2			261.0			
Wheel (contractors' off-highway) ...	units	5,999	5,756		1,252			1,528			1,437			1,539			
mil. \$ ..		421.9	438.2		87.5			111.8			112.7			121.2			
Shovel loaders † .....	units	58,723	64,202		12,462			16,934			16,809			17,997			
mil. \$ ..		1,679.0	1,837.9		377.4			469.5			473.0			518.0			
<b>ELECTRICAL EQUIPMENT</b>																	
Batteries (auto-type replacement), shipments.....	thous ..	60,306	59,878	3,709	3,912	3,876	4,272	5,328	5,015	5,732	6,542	6,889	5,387	5,418	5,524	4,194	
Radio sets, production, total market.....	thous ..	25,364	26,775	1,893	1,876	1,680	2,132	2,435	2,507	2,524	3,152	2,944	2,609	1,473	1,329	1,567	
Television sets (incl. combination models), production, total market .....thous ..		23,351	23,497	1,721	2,194	1,552	1,776	2,094	1,484	1,836	2,373	2,217	2,199	2,232	1,544	1,810	1,909
Household major appliances (electrical), factory shipments (domestic and export) #.....thous ..		45,072	47,888	3,477	4,053	4,139	3,947	4,747	4,012	3,934	4,207	4,047	3,676	3,626	3,557		
Air conditioners (room) .....	do	2,816	3,798	243	582	542	655	656	350	196	98	84	62	170	200		
Dishwashers .....	do	3,918	4,082	324	350	338	294	369	322	335	342	355	336	331	307		
Disposers (food waste) .....	do	4,269	4,438	367	364	352	347	356	343	357	409	436	325	325	361		
Microwave ovens/ranges @ .....	do	12,444	12,610	892	888	1,071	807	1,021	913	978	1,277	1,318	1,210	1,149	957		
Ranges .....	do	3,318	3,846	248	279	281	256	289	286	290	289	307	285	255	235		
Refrigerators .....	do	6,510	6,972	461	517	531	589	821	732	700	619	552	499	470	444		
Freezers .....	do	1,222	1,260	82	105	97	106	136	137	138	109	87	93	86	91		
Washers .....	do	5,765	5,998	447	510	461	452	602	484	520	596	497	470	454	531		
Dryers (incl. gas) .....	do	4,245	4,637	366	390	338	323	426	363	381	450	408	391	370	418		
Vacuum cleaners (qtrly) .....	do																
<b>GAS EQUIPMENT (RESIDENTIAL)</b>																	
Furnaces, warm air, shipments .....	thous ..	2,105	2,073	153	149	138	118	140	157	203	234	241	194	179	157	184	
Ranges, total, shipments .....	do	1,940	2,143	160	184	157	154	183	164	164	200	210	188	197	159		
Water heaters (storage), automatic, shipments.....	do	3,729	3,951	340	352	353	290	330	297	290	312	361	310	369	355	320	

**PETROLEUM, COAL, AND PRODUCTS**

COAL																		
Anthracite:																		
Production †.....thous. sh. tons..		4,292	4,177	264	305	339	333	359	426	441	441	371	331	310	274	341		
Exports .....	do	1,460	1,181	8	42	45	96	154	121	144	191	180	165	21	42	27		
Producer Price Index .....		99.7	100.1	100.1	99.4	99.4	99.4	99.8	100.0	100.1	100.3	101.0	101.1	101.9	102.0	101.9	101.9	
Bituminous:																		
Production †.....thous. sh. tons..		886,023	912,674	71,253	75,396	70,524	70,256	76,555	69,207	80,087	81,854	85,335	78,677	79,275	74,874	77,736		
Consumption, total .....	do	801,811	62,850	63,574	61,256	65,755	72,009	80,227	79,697	68,742	68,742	68,742	68,742					
Electric power utilities .....	do	684,227	717,006	53,640	54,568	51,387	56,414	63,414	70,632	69,980	59,187	57,068	55,901	62,466				
Industrial, total .....	do	111,151	8,688	8,684	9,369	9,040	8,358	9,182	9,326	9,036								
Coke plants (oven and beehive) .....	do	35,978	2,502	2,677	3,294	3,294	2,809	3,254	3,237	3,181								
Residential and commercial .....	do	6,433	521	372	500	302	239	414	391	519								
Stocks, end of period, total .....	do	168,073	163,326	166,003	169,476	170,801	168,775	156,808	152,401	158,654								
Electric power utilities .....	do	154,707	163,902	151,236	154,550	157,642	158,585	156,177	143,815	139,013	144,872	153,919	161,349	163,902				
Industrial, total .....	do	13,367	12,090	11,453	11,834	12,217	12,598	12,993	13,388	13,782								
Oven-coke plants .....	do	2,985	2,774	2,668	3,021	3,375	3,728	3,668	3,608	3,547								
Exports .....	do	84,017	77,645	4,634	6,417	6,188	6,456	7,174	6,489	7,614	6,474	6,448	7,037	8,009	4,390	4,451		
Producer Price Index .....		100.8	96.9	99.3	99.0	97.2	96.8	96.5	96.0	96.1	95.7	96.0	96.3	95.3	94.6	96.7	96.3	
<b>COKE</b>																		
Production:																		
Beehive and oven (byproduct).....thous. sh. tons..		25,540	5,987															
Petroleum coke § .....	do	36,908	37,852	2,919	3,044	2,991	3,078	3,107	3,175	3,183	3,024	3,074	3,194	3,407	3,464			
Stocks, end of period:																		
Oven-coke plants, total .....	do	2,066				1,853			1,546				1,388					
At furnace plants .....	do	1,778			1,557			1,252			1,076							
At merchant plants .....	do	288			295			294			262							
Petroleum coke .....	do	1,206	1,352	1,414	1,437	1,551	1,485	1,309	1,280	1,224	1,086	1,010	1,074	1,352	1,463			
Exports .....	do	1,063	650	31	75	56	30	50	98	32	35	29	38	110	58	92		
<b>PETROLEUM AND PRODUCTS</b>																		
Crude petroleum:																		
Producer Price Index .....		...1982=100 ..	46.9	55.5	52.4	52.3	53.2	54.7	56.4	59.8	61.1	57.8	56.9	56.6	54.3	*50.2	50.0	47.5
Gross input to crude oil distillation units.....mil. bbl ..		4,681.4	4,730.5	346.6	387.8	377.9	397.3	397.0	420.7	417.4	398.4	397.5	391.9	414.9	408.3			
Refinery operating ratio.....% of capacity ..		83	82	79	78	80	82	84	86	88	85	82	88	88	88			
All oils, supply, demand, and stocks:																		
New supply, total ◊.....mil. bbl ..		6,026.1	6,028.4	444.0	484.9	477.2	491.9	497.7	537.5	532.0	506.8	523.0	508.5	518.8	519.9			
Production:																		
Crude petroleum .....	do	8,168.3	8,033.3	232.9	258.8	252.8	257.5	247.9	255.5	258.9	245.7	257.1	249.9	258.6	255.6			
Natural gas plant liquids .....	do	587.1	608.5	47.4	49.5	51.1	49.2	51.2	50.8	49.6	52.0	51.5	52.5	50.5				
Imports:																		
Crude and unfinished oils .....	do	1,642.7	1,817.9	117.3	127.6	131.2	141.3	157.3	172.8	181								

## SURVEY OF CURRENT BUSINESS

April 1988

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	

## PETROLEUM, COAL, AND PRODUCTS—Continued

PETROLEUM AND PRODUCTS—Continued																		
All oils, supply, demand, and stocks—Continued																		
Domestic product demand, total # mil. bbl.	5,942.4	6,043.1	468.2	494.9	495.0	495.3	504.4	526.9	506.1	496.0	524.2	481.9	542.3	534.0				
Gasoline.....do.....	2,579.1	2,631.8	189.1	215.5	220.5	232.5	226.9	235.7	227.6	215.8	226.7	215.1	225.2	207.8				
Kerosene.....do.....	35.9	34.7	4.2	3.2	1.3	1.4	1.8	1.7	1.9	2.2	3.9	3.3	4.7	5.5				
Distillate fuel oil.....do.....	1,063.7	1,079.9	98.7	98.1	90.1	82.8	83.8	78.7	85.3	97.2	87.1	108.1	109.0					
Residual fuel oil.....do.....	517.7	457.4	41.2	37.8	37.7	31.8	36.2	39.8	36.9	38.5	32.1	35.4	44.7	48.9				
Jet fuel.....do.....	477.2	492.8	40.4	41.0	39.8	39.0	39.8	41.9	42.9	39.7	43.6	40.1	43.9	47.5				
Lubricants.....do.....	51.9	58.6	4.7	5.4	5.5	4.8	5.4	4.7	4.7	4.6	4.7	3.8	4.9	4.2				
Asphalt.....do.....	163.6	169.6	4.8	7.7	11.6	16.6	20.0	23.1	22.0	21.2	17.5	12.3	7.1	3.8				
Liquefied petroleum gases.....do.....	552.1	592.5	50.8	48.2	44.6	40.2	42.2	47.5	44.1	47.3	56.8	48.3	60.9	64.1				
Stocks, end of period, total.....do.....	1,592.5	1,607.9	1,564.9	1,561.4	1,544.3	1,545.5	1,552.0	1,563.1	1,594.2	1,608.7	1,605.2	1,627.3	1,607.9	1,597.3				
Crude petroleum.....do.....	842.8	889.9	848.7	853.8	850.0	850.5	857.0	856.2	866.2	872.5	888.9	901.4	889.9	888.2				
Strategic petroleum reserve.....do.....	511.6	540.6	516.7	520.0	522.0	525.1	527.2	530.0	532.0	533.9	535.7	538.5	540.6	542.7				
Unfinished oils, natural gaso-line, etc.....do.....	140.4	138.3	154.2	158.5	154.6	150.8	149.8	147.0	151.0	150.3	149.2	147.6	138.3	142.7				
Refined products.....do.....	609.4	579.6	562.0	549.5	536.6	544.2	545.2	559.9	576.9	585.9	567.1	588.3	579.6	566.3				
Refined petroleum products:																		
Gasoline (incl. aviation):																		
Production.....do.....	2,476.3	2,505.8	179.0	204.0	206.5	217.5	213.7	219.1	215.8	208.7	207.8	207.9	218.2	209.1				
Stocks, end of period.....do.....	196.4	191.2	209.6	208.1	203.4	197.7	194.7	191.1	189.9	193.4	184.1	190.2	191.2	202.3				
Prices, regular grade (excl. aviation):																		
Producer Price Index.....1982=100 .....	54.4	59.5	55.6	55.7	58.6	59.5	61.4	63.1	65.5	61.9	61.1	61.9	57.1	53.7	53.9	53.9		
Retail, U.S. city average (BLS):																		
Leaded.....\$ per gal.....	.857	.897	.848	.856	.879	.888	.906	.921	.946	.940	.931	.928	.912	.881	.859	.850		
Unleaded.....do.....	.927	.948	.905	.912	.934	.941	.958	.971	.995	.990	.976	.961	.933	.913	.904			
Aviation gasoline:																		
Production.....mil. bbl..	11.7	9.6	.7	.8	.7	.8	1.0	.9	.9	1.0	.8	.5	.7	.6				
Stocks, end of period.....do.....	2.2	2.3	2.5	2.3	2.0	1.9	2.0	2.0	2.0	2.2	2.2	2.2	2.3	2.3				
Kerosene:																		
Production.....do.....	32.6	28.7	2.2	1.9	1.4	1.1	1.1	1.7	2.0	2.7	3.7	3.5	3.3	3.2				
Stocks, end of period.....do.....	8.4	8.4	7.6	6.5	6.9	6.6	6.1	6.4	7.1	8.0	8.7	9.3	8.4	7.2				
Producer Price Index (light distillate).....1982=100 .....	53.6	54.1	49.0	48.8	50.4	51.4	53.2	55.3	57.9	58.1	60.0	60.8	59.2	55.2	55.0	53.8		
Distillate fuel oil:																		
Production.....mil. bbl..	1,021.2	996.9	72.1	73.9	76.6	79.5	80.7	83.7	84.0	82.5	86.1	91.3	100.5	93.2				
Imports.....do.....	90.3	87.6	6.4	7.8	5.5	6.2	7.4	11.7	6.6	6.5	6.9	5.4	11.0					
Stocks, end of period.....do.....	155.1	134.5	123.5	110.0	100.4	101.8	104.3	114.7	125.2	126.9	121.1	129.0	134.5	127.2				
Producer Price Index (middle distillate).....1982=100 .....	49.4	55.4	53.1	49.7	52.0	53.3	55.1	56.3	59.4	56.8	59.3	61.2	57.6	54.8	51.5	49.7		
Residual fuel oil:																		
Production.....mil. bbl..	324.3	323.2	23.3	26.9	24.9	25.2	25.9	28.0	27.2	27.1	27.4	27.8	31.0	31.3				
Imports.....do.....	244.2	201.9	17.1	17.1	16.2	15.4	14.3	21.1	15.8	15.4	11.8	16.4	20.6	22.8				
Stocks, end of period.....do.....	47.4	47.3	38.1	39.6	35.9	40.3	41.3	45.1	45.5	44.2	45.4	49.7	47.8	46.6				
Producer Price Index.....1982=100 .....	44.5	53.2	53.1	50.3	52.2	54.1	55.1	58.2	61.0	54.7	51.8	52.8	49.7	45.8	44.1	42.2		
Jet fuel:																		
Production.....mil. bbl..	472.0	489.7	37.0	39.7	37.5	38.8	37.6	41.7	43.4	41.9	43.6	41.6	44.6	43.9				
Stocks, end of period.....do.....	49.7	49.9	47.9	48.1	47.0	47.4	46.0	46.7	47.7	50.2	49.8	50.9	49.9	46.3				
Lubricants:																		
Production.....do.....	58.2	61.6	4.4	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.4	5.2	4.9	5.2				
Stocks, end of period.....do.....	14.2	13.3	13.7	13.0	12.5	12.2	11.7	11.7	11.9	12.3	12.7	13.7	13.3	14.1				
Asphalt:																		
Production.....do.....	149.7	158.2	6.5	9.0	12.0	14.7	17.1	19.8	19.2	18.2	16.3	10.2	8.5	7.2				
Stocks, end of period.....do.....	17.7	18.8	21.7	23.8	25.1	24.3	22.7	20.9	19.7	18.3	18.0	16.9	18.8	22.7				
Liquefied petroleum gases:																		
Production, total.....do.....	618.5	640.8	50.0	54.8	53.4	53.8	52.2	54.8	53.4	52.2	54.0	53.0	54.5	53.4				
At gas processing plants (L.P.G.).....do.....	466.2	477.0	38.1	41.0	39.6	40.1	38.4	39.6	39.3	38.5	40.3	39.9	41.1	39.4				
At refineries (L.R.G.).....do.....	152.3	163.9	11.9	13.8	13.9	13.7	13.8	15.2	14.1	13.7	13.7	13.1	13.4	14.0				
Stocks (at plants and refineries).....do.....	102.7	97.2	81.6	82.2	86.4	95.3	100.7	105.5	112.2	116.2	110.9	110.9	97.2	80.7				

## PULP, PAPER, AND PAPER PRODUCTS

PULPWOOD																		
Receipts.....thous. cords (128 cu.ft.).....	'90,943	94,312	7,694	7,912	7,873	7,382	7,743	8,264	7,643	8,061	8,436	7,227	8,003	7,737				
Consumption.....do.....	'91,434	93,946	7,541	7,869	7,355	7,582	7,723	8,195	7,729	7,856	7,984	7,401	8,162	8,223				
Inventories, end of period.....do.....	4,794	5,096	4,900	4,891	4,950	4,557	4,651	4,782	4,703	5,044	5,301	5,211	5,096	4,629				
WASTE PAPER																		
Consumption.....thous. sh. tons.....	'17,236	18,348	1,380	1,485	1,437	1,500	1,474	1,508	1,598	1,544	1,619	1,553	1,489	1,567				
Inventories, end of period.....do.....	932	887	769	755	775	752	773	797	810	838	817	887	847					
WOODPULP																		
Production:					</													

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
<b>PULP, PAPER, AND PAPER PRODUCTS—Continued</b>																			
<b>PAPER AND PAPER PRODUCTS</b>																			
Paper and board:																			
Production (API):																			
Total.....	thous. sh. tons.	'70,885	74,452	5,769	6,285	6,071	6,134	6,140	6,238	6,468	6,254	6,390	'6,185	6,342	'6,446	6,202			
Paper.....	do .....	35,466	36,959	2,874	3,090	3,010	3,023	3,048	3,081	3,163	3,125	3,211	3,066	3,164	'3,195	3,094			
Paperboard.....	do .....	35,419	37,493	2,895	3,194	3,061	3,111	3,092	3,157	3,300	3,129	3,177	3,069	3,165	3,251	3,108			
Producer Price Indexes:																			
Paperboard.....	1982=100 .....	106.6	118.1	115.5	115.5	116.2	115.8	115.9	116.1	119.8	121.3	122.1	'122.5	122.7	'122.7	122.8	127.1		
Building paper and board.....	do .....	108.8	111.2	109.3	109.2	109.1	109.8	110.2	111.1	112.2	113.2	113.8	'113.4	113.4	'113.6	114.0	112.5		
Selected types of paper (API):																			
Groundwood paper, uncoated:																			
Orders, new.....	thous. sh. tons.	'1,553	1,548	110	154	109	119	126	134	136	130	121	113	128	'124	124			
Orders, unfilled, end of period .....	do .....	131	179	108	127	116	115	124	137	148	153	150	153	179	'165	184			
Shipments.....	do .....	11,540	1,491	127	138	120	121	120	132	127	126	124	112	110	'120	111			
Coated paper:																			
Orders, new.....	do .....	'6,334	7,107	524	527	561	630	651	623	632	570	610	563	615	'624	585			
Orders, unfilled, end of period .....	do .....	899	739	454	429	443	521	604	647	678	666	729	693	739	'693	695			
Shipments.....	do .....	6,263	6,869	529	548	548	554	569	584	597	591	603	587	592	'635	592			
Uncoated free sheet papers:																			
Orders, new.....	do .....	'10,485	11,195	844	900	892	902	923	945	996	946	1,029	919	979	'940	914			
Shipments.....	do .....	'10,681	11,234	855	939	926	912	933	945	968	949	988	927	983	'960	940			
Unbleached kraft packaging and industrial converting papers:																			
Shipments.....	thous. sh. tons.	'3,303	3,075	260	274	265	233	247	244	249	258	259	243	261	262	255			
Tissue paper, production .....	do .....	'5,095	5,300	414	446	429	443	439	434	457	447	455	442	449	'446	437			
Newsprint:																			
Canada:																			
Production.....	thous. metric tons.	9,289	9,673	765	848	808	816	806	791	826	797	827	812	783	822	815			
Shipments from mills.....	do .....	9,302	9,761	756	847	818	815	857	779	785	852	811	801	892	716	782			
Inventory, end of period .....	do .....	277	193	331	333	323	323	278	286	326	271	286	298	193	295	328			
United States:																			
Production.....	do .....	5,108	5,300	400	481	420	454	444	455	452	448	461	437	453	452	434			
Shipments from mills.....	do .....	5,115	5,310	402	442	428	452	451	452	449	451	456	439	461	437	435			
Inventory, end of period .....	do .....	49	36	65	54	45	47	40	43	46	43	48	46	36	51	51			
Estimated consumption, all users ♦ .....	do .....	11,937	12,317	906	1,037	1,031	1,073	996	967	1,041	1,050	1,129	1,134	'1,052	'962	958			
Publishers' stocks, end of period #	thous. metric tons.	849	900	879	874	869	848	885	931	905	929	897	866	900	'905	930			
Imports.....	thous. sh. tons.	8,589	8,975	696	759	740	761	776	741	708	780	746	777	710	727	697			
Producer Price Index, standard newsprint .....	1982=100 .....	103.3	112.3	108.6	108.4	108.5	108.7	108.7	112.7	116.3	116.9	116.9	'117.1	116.6	'125.4	126.7	127.0		
Paper products:																			
Shipping containers, corrugated and solid fiber shipments.....	mil. sq. ft. surf. area..	283,921	297,430	'22,811	24,755	25,591	23,637	25,620	25,341	24,977	25,925	27,647	23,281	23,141	24,782	24,679			

**RUBBER AND RUBBER PRODUCTS**

<b>RUBBER</b>																			
<b>Natural rubber:</b>																			
Consumption.....	thous. metric tons.	743.56	775.82	85.88	81.30	62.30	62.61	56.30	67.35	61.41	61.85	57.39	60.68	69.38					
Stocks, end of period .....	do .....	38.51	72.46	78.78	70.24	80.20	79.49	79.00	82.47	77.01	70.56	65.85	65.47	72.46					
Imports, incl. latex and guayule																			
thous. long tons .....		752.99	745.67	89.85	80.67	32.73	63.60	58.01	63.22	46.88	58.47	56.76	62.85	77.67	81.89	68.49			
U.S. Import Price Index † .....	1985=100 .....	'101.9	'115.7		'103.1			'109.8			'119.1				'130.6			132.4	
<b>Synthetic rubber:</b>																			
Production.....	thous. metric tons.	2,012.77	2,182.12	177.46	193.56	174.07	179.80	174.97	186.19	164.15	176.04	191.00	182.94	194.82					
Consumption .....	do .....	1,895.23	2,017.46	166.12	182.78	160.58	163.09	157.92	161.88	168.56	172.19	185.08	167.56	174.07					
Stocks, end of period .....	do .....	235.61	229.65	249.44	242.62	240.84	242.21	241.65	251.86	240.55	222.76	213.60	213.82	229.65					
Exports (Bu. of Census).....	thous. lg. tons.	338.85	422.64	32.69	35.49	36.48	38.79	36.34	33.56	32.75	38.23	32.93	36.94	36.53	39.07	36.76			
<b>TIRES AND TUBES</b>																			
Pneumatic casings:																			
Production.....	thous. ....	'190,289	202,978	16,593	17,733	16,680	16,982	16,548	15,796	16,723	17,204	18,956	16,455	16,428					
Shipments total .....	do .....	243,244	255,220	18,501	20,786	21,030	20,981	23,829	20,812	20,656	23,216	24,925	21,297	20,326					
Original equipment .....	do .....	61,251	60,758	5,493	6,019	5,408	5,400	5,145	3,605	4,316	4,969	5,778	4,966	4,177					
Replacement equipment .....	do .....	176,659	186,406	12,351	14,182	15,032	14,949	17,983	16,531	15,688	17,516	18,366	15,583	15,340					
Exports .....	do .....	5,334	8,056	657	585	590	632	701	676	657	731	781	748	809					
Stocks, end of period .....	do .....	34,286	34,838	38,341	40,673	39,962	40,812	37,872	37,344	37,501	36,234	34,589	33,702	34,398					
Exports (Bu. of Census).....	do .....	5,202	9,580	144	895	746	762	844	745	798	1,155	849	1,277	1,259	1,328	1,410			
Inner tubes:																			
Exports (Bu. of Census).....	do .....	809	1,518	107	190	120	250	149	109	102	141	76	96	114	95	138			

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below, data through 1986 and  
methodological notes are as shown in  
BUSINESS STATISTICS: 1986

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>STONE, CLAY, AND GLASS PRODUCTS</b>																	
<b>PORTRLAND CEMENT</b>																	
Shipments, finished cement.....thous. bbl..	470,500	480,410	24,888	34,096	41,495	43,197	47,835	49,282	45,638	47,638	50,011	38,298	30,840	20,979	26,293		
<b>CLAY CONSTRUCTION PRODUCTS</b>																	
Shipments:																	
Brick, unglazed (common and face) mil. standard brick ..	7,401.9	7,313.2	448.5	590.9	654.2	651.8	700.1	721.0	669.3	692.0	704.4	557.4	497.3	398.8	479.1		
Structural tile, except facing.....thous. sh. tons..	108.4	96.1	6.4	4.7	4.5	11.5	16.9	16.5	15.9	15.9	18.5	4.7	4.7				
Sewer pipe and fittings, vitrified.....do ..	323.6	324.6	17.5	24.9	25.0	33.1	31.4	31.6	31.8	32.5	36.4	22.7	18.5	18.1	21.4		
Floor and wall tile and accessories, glazed and unglazed.....mi. sq. ft..	505.0	462.0	36.1	41.5	40.6	35.7	39.4	36.5	38.6	39.3	40.1	37.7	39.6	35.9	38.4		
Producer Price Index, brick and structural clay tile .....	.12/84=100 ..	105.2	108.2	107.4	107.6	108.1	108.5	108.7	108.6	108.6	108.6	108.7	108.6	109.4	109.7	110.3	
<b>GLASS AND GLASS PRODUCTS</b>																	
Flat glass, mfrs' shipments.....thous. \$..	1,259,746	1,457,587	331,669				354,994					392,126			378,798		
Glass containers:																	
Production.....thous. gross..	289,253	286,222	22,916	25,701	24,963	25,528	26,007	25,485	25,666	22,660	25,342	20,081	18,718	21,588	21,624		
Shipments, total.....do ..	283,057	283,091	21,794	24,810	25,414	25,308	26,867	26,110	24,369	23,502	23,525	19,111	20,319	21,875	20,202		
Narrow-neck containers:																	
Food.....do ..	25,266	29,554	2,220	2,871	2,711	2,783	2,980	2,846	2,578	2,687	2,105	1,679	1,796	1,887	1,790		
Beverage.....do ..	59,885	62,434	4,174	5,353	5,913	6,196	6,471	5,950	5,962	5,203	4,896	4,085	4,183	3,885	4,027		
Beer.....do ..	86,922	85,357	6,477	7,353	7,372	7,507	7,740	8,161	7,003	6,694	7,513	6,117	6,517	7,928	6,307		
Liquor and wine.....do ..	27,856	27,535	2,183	2,409	2,800	2,429	3,155	2,479	2,135	1,987	2,285	1,751	2,057	2,153	1,949		
Wide-mouth containers:																	
Food and dairy products.....do ..	62,795	62,673	5,115	5,204	5,146	5,039	5,399	5,368	5,507	5,891	5,599	4,460	4,766	5,198	5,272		
Narrow-neck and wide-mouth containers:																	
Medicinal and toilet.....do ..	18,843	14,167	1,470	1,465	1,343	1,258	1,038	1,220	1,060	949	1,098	916	897	788	773		
Chemical, household, and in- dustrial.....do ..	1,490	1,371	205	155	129	96	84	86	124	91	79	103	103	86	84		
Stocks, end of period .....	39,912	41,812	42,042	42,905	42,417	42,580	41,820	40,919	42,403	41,226	42,769	43,728	41,812	40,948	42,758		
<b>GYPSUM AND PRODUCTS</b>																	
Production:																	
Crude gypsum (exc. byproduct).....thous. sh. tons..	16,227	15,777	1,099	1,156	1,261	1,240	1,422	1,313	1,316	1,161	1,432	1,442	1,218	1,031			
Calcined.....do ..	17,538	16,855	1,301	1,376	1,508	1,421	1,284	1,486	1,427	1,396	1,566	1,441	1,274	1,255			
Imports, crude gypsum .....	9,559	9,717	630	688	833	987	884	810	821	879	952	817	635	837			
Sales of gypsum products:																	
Uncalcined.....do ..	3,359	4,110	155	163	242	336	567	264	309	317	311	654	591	342			
Calcined:																	
Industrial plasters.....do ..	259	166	11	12	14	10	40	12	11	10	14	10	9	10			
Building plasters, total (incl. Keene's cement).....do ..	260	262	20	23	24	19	23	23	22	23	25	19	18				
Board products, total.....mil. sq. ft..	20,411	20,627	1,612	1,786	1,872	1,602	1,705	1,784	1,775	1,775	1,916	1,675	1,501	1,468			
Lath.....do ..	24	23	2	2	2	2	2	2	2	2	2	2	1	2			
Veneer base.....do ..	475	498	37	43	45	41	42	45	43	43	46	41	36	36			
Gypsum sheathing.....do ..	323	302	22	26	26	25	27	25	26	25	28	27	22	19			
Regular gypsum board.....do ..	12,343	12,609	996	1,103	1,147	977	1,031	1,084	1,086	1,090	1,171	1,021	914	884			
Type X gypsum board.....do ..	5,781	5,660	448	489	507	435	475	492	482	480	519	451	425	420			
Predecorated wallboard .....	123	114	8	10	10	8	10	10	10	10	9	10	9				
% mobile home board .....	751	777	47	59	79	64	66	72	73	74	81	62	42	49			
Water/moisture resistant board.....do ..	591	644	51	53	57	50	52	54	53	52	58	51	48				

**TEXTILE PRODUCTS**

<b>FABRIC</b>																
Woven fabric, finishing plants:																
Production (finished fabric).....mil. linear yd..	6,796															
Cotton.....do ..	2,522															
Manmade fiber and silk fabrics.....do ..	4,271															
Inventories held at end of period .....	504															
Cotton.....do ..	211															
Manmade fiber and silk fabrics.....do ..	293															
Backlog of finishing orders .....	do ..															
Cotton.....do ..																
Manmade fiber and silk fabrics.....do ..																
<b>COTTON AND MANUFACTURES</b>																
Cotton (excluding linters):																
Production:																
Ginnings ♦.....thous. running bales ..	9,438	14,858														
Crop estimate.....thous. net weight bales § ..	9,731															
Consumption.....thous. running bales ..	6,566	7,446	562	734	573	586	708	540	606	753	621	606	610	568	590	728
Stocks in the United States, total, end of period # .....thous. running bales ..	13,416	13,722	11,153	9,553	8,559	7,836	6,577	4,787	16,263	16,242	15,581	14,823	13,722	12,394	11,245	
Domestic cotton, total .....	13,416	13,722	11,153	9,553	8,559	7,836	6,577	4,787	16,263	16,242	15,581	14,823	13,722	12,394	11,245	
On farms and in transit.....do ..	2,540	2,525	1,392	931	1,016	1,256	1,097	300	12,376	10,799	7,652	4,825	2,525	1,470	1,312	
Public storage and compresses.....do ..	10,252	10,565	9,033	7,894	6,832	5,870	4,807	3,809	3,239	4,864	7,398	9,456	10,555	10,197	9,151	
Consuming establishments.....do ..	624	642	728	728	711	710	673	678	648	579	531	542	642	727	782	

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>TEXTILE PRODUCTS—Continued</b>																		
<b>COTTON AND MANUFACTURES—Cont.</b>																		
Cotton (excluding linters)—Continued																		
Exports.....thous. running bales	5,666	5,683	499	595	529	512	422	400	395	295	346	580	681	626	698			
Imports.....thous. net-weight bales \$	7	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)			
Price/farm, American upland (cents per lb.)	51.5	64.6	46.4	47.5	50.4	60.0	66.2	68.3	63.7	64.9	64.4	65.0	64.2	60.6	56.8	56.9		
Price, Strict Low Middling, Grade 41, staple 34 (1 1/4"), average 10 markets, cents per lb.	60.0	53.2	54.8	54.6	57.7	65.9	70.4	73.1	75.9	71.4	64.3	64.7	62.8	59.7	57.8	59.6		
Spindle activity (cotton system spindles):																		
Active spindles, last working day, total	11.8	11.6	11.9	11.9	11.8	11.9	11.7	11.7	11.8	11.8	11.8	11.8	11.6	11.6	11.6			
Consuming 100 percent cotton .....	4.6	4.6	4.7	4.8	4.8	4.8	4.6	4.6	4.7	4.8	4.7	4.6	4.6	4.6	4.6			
Spindle hours operated, all fibers, total	81.5	82.9	6.8	*8.6	6.6	6.5	*7.8	5.8	6.4	*7.9	6.7	6.6	6.8	6.2	6.4			
Average per working day .....	.309	.319	.342	.343	.331	.323	.310	.292	.322	.318	.335	.328	.272	.308	.318			
Consuming 100 percent cotton .....	29.2	32.3	2.5	*3.2	2.5	2.6	*3.0	2.3	2.6	*3.3	2.7	2.6	2.6	2.8	3.0			
Cotton cloth:																		
Cotton broadwoven goods over 12" in width:																		
Production (qtrly).....mil. sq. yd.	*4,364	4,777		1,163				1,221				1,199			1,195			
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	293.6		27.5	25.4	21.7	20.3	22.1	19.0	23.0	19.9	20.6	20.5						
Imports, raw cotton equivalent.....do	1,322.2		142.1	136.4	119.6	119.3	140.4	143.3	140.4	130.1	146.6	143.8						
Producer Price Index, gray cotton broadwovens.....1982=100	101.1	105.2	101.8	101.9	102.5	103.0	103.3	106.0	103.9	107.1	109.5	*110.6	111.7	*111.4	112.9	114.3		
<b>MANMADE FIBERS AND MANUFACTURES</b>																		
Fiber production, qtrly:																		
Acetate filament yarn.....mil. lb.	214.8	191.1		46.2				46.7				45.2			53.0			
Rayon staple, including tow.....do	403.7	413.8		101.3				100.8				103.6			108.4			
Noncellulosic, except textile glass:																		
Yarn and monofilaments.....do	3,836.7	4,009.7		957.6				1,014.7				1,014.2			1,023.2			
Staple, incl. tow.....do	3,991.8	4,306.2		1,069.6				1,108.6				1,058.6			1,069.5			
Textile glass fiber .....																		
Fiber stocks, producers', end of period:																		
Acetate filament yarn.....mil. lb.	14.8	14.2		16.8				14.0				12.9			14.2			
Rayon staple, including tow.....do	22.4	20.7		23.8				25.1				18.2			20.7			
Noncellulosic fiber, except textile glass:																		
Yarn and monofilaments.....do	306.6	298.4		295.4				290.3				279.1			298.4			
Staple, incl. tow.....do	326.4	319.6		319.8				333.2				329.8			319.6			
Textile glass fiber .....																		
Manmade fiber and silk broadwoven fabrics:																		
Production(qtrly), total #.....mil. sq. yd.																		
Filament yarn (100%) fabrics #.....do																		
Chiefly rayon and/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	101.9	105.5	101.9	102.2	103.4	103.9	105.3	106.4	106.9	107.9	108.6	109.0	109.1	*110.0	111.1	111.7		
<b>WOOL AND MANUFACTURES</b>																		
Wool consumption, mill (clean basis):																		
Apparel class.....mil. lb.	126.8	137.2	11.7	*14.1	11.3	11.3	*18.6	9.7	10.0	*12.4	10.7	10.8	*11.8	11.0	10.7			
Carpet class.....do	10.0	13.1	.8	*1.3	1.2	1.2	*4.9	1.2	1.4	*1.2	1.4	1.1	*1.1	1.3	1.4			
Wool imports, clean yield.....do	97.0	105.1	8.2	9.5	8.7	13.4	8.9	8.6	8.4	6.7	7.0	9.0						
Duty-free.....do	30.9	31.1	1.6	2.7	2.2	3.8	3.1	3.7	3.2	2.8	2.0	2.7	1.7					
Wool prices, raw, shorn, clean basis, delivered to U.S. mills:																		
Domestic—Graded territory, 64's, staple 2 3/4" and up.....dollars per lb.	1.91	2.65	2.02	2.16	2.60	2.70	2.70	2.70	3.00	2.95	3.00	3.00	3.00	3.15	3.97			
Australian, 64's, Type 62, duty-paid.....do	2.36	3.24	2.59	2.88	3.25	3.27	3.35	3.32	3.73	3.41	3.48	3.47	3.56	3.91	4.68			
Wool broadwoven goods, exc. felts:																		
Production (qtrly).....mil. sq. yd.	134.1	175.7		48.0				48.1				37.5			42.2			
<b>FLOOR COVERINGS</b>																		
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly.....mil. sq. yds.	1,254.2	1,303.4		*310.8				*341.9				*335.6			*315.1			
<b>APPAREL</b>																		
Women's, misses', juniors' apparel cuttings: †																		
Coats.....thous. units.	8,959	23,982		6,738				6,638				*6,232			4,380			
Dresses.....do	131,924	174,982		52,387				47,423				*40,096			35,126			
Suits (incl. pant suits, jumpsuits).....do		7,458		2,513				1,619				*1,445			1,881			
Skirts.....do	89,769	111,162		30,221				25,397				*28,822			26,722			
Slacks, jeans, dungarees, and jean-cut casual slacks.....do	219,716	294,791		71,100				80,088				*78,495			65,108			
Blouses.....thous. dozen.	29,575	30,595		11,117				9,864				*9,614			9,616			

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		1987											1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.

## TEXTILE PRODUCTS—Continued

APPAREL—Continued																
Men's apparel cuttings: †																
Suits.....thous. units..	10,552			3,401			2,874			2,925			2,967			
Coats (separate), dress and sport.....do.....	19,794			5,549			4,154			4,578			3,955			
Trousers, slacks, jeans, pants, etc.....do.....	112,612			123,992			120,967			125,823			109,568			
Shirts, dress and sport.....thous. doz.	48,028			21,618			23,861			21,140			19,689			
Hosiery, shipments.....thous. doz. pairs..	313,244	308,982	24,723	28,120	27,702	25,297	24,363	27,509	24,060	25,018	28,833	26,545	22,875	24,018	25,729	

## TRANSPORTATION EQUIPMENT

AEROSPACE VEHICLES																
Orders, new (net), qtrly, total.....mil. \$..																
U.S. Government.....do.....																
Prime contract.....do.....																
Sales (net), receipts, or billings, quarterly, total.....do.....																
U.S. Government.....do.....																
Backlog of orders, end of period #.....do.....																
U.S. Government.....do.....																
Aircraft (complete) and parts.....do.....																
Engines (aircraft) and parts.....do.....																
Missiles, space vehicle systems, engines, propulsion units, and parts.....mil. \$..																
Other related operations (conversions, modifications), products, services.....mil. \$..																
Aircraft (complete):																
Shipments.....do.....	12,518.0	12,372.6	830.7	1,415.0	1,133.3	895.2	1,042.4	1,131.2	683.4	1,088.0	881.9	885.8	1,810.2	737.4	1,234.5	
Exports, commercial.....do.....	7,207	7,380	643	884	683	439	346	987	390	730	335	781	903	504	744	
MOTOR VEHICLES (NEW)																
Passenger cars:																
Factory sales (from U.S. plants):																
Total.....thous. ....do.....	7,516	7,085	691	741	660	626	665	373	377	582	670	583	500	473	563	(2)
Domestic.....do.....	6,869	6,487	634	675	601	563	595	349	355	529	610	533	458	436	503	
Retail sales, total, not seas. adj.....do.....	11,450	10,278	781	986	938	887	943	913	968	905	802	787	843	765	888	*1,008
Domestics §.....do.....	8,215	7,081	558	683	694	622	657	611	654	613	524	486	551	531	649	734
Imports §.....do.....	3,235	3,197	223	252	244	264	286	302	314	292	278	251	293	234	288	*274
Total, seas. adj. at annual rate .. mil. ....do.....			10.2	10.3	10.5	9.6	10.0	10.5	12.4	11.7	9.3	9.9	10.4	11.0	10.7	
Domestics §.....do.....			7.2	7.4	7.4	6.7	7.0	7.2	8.7	8.0	5.9	6.6	7.5	7.3	7.7	
Imports §.....do.....			3.0	2.9	3.0	3.1	3.3	3.7	3.8	3.3	3.4	3.1	3.1	3.1	3.0	
Retail inventories, domestics, end of period: \$																
Not seasonally adjusted.....thous. ....do.....	1,499	1,680	1,861	1,986	1,904	1,903	1,900	1,657	1,438	1,896	1,559	1,692	1,680	1,677	1,608	1,572
Seasonally adjusted.....do.....	1,457	1,499	1,787	1,798	1,778	1,812	1,796	1,684	1,459	1,364	1,495	1,554	1,499	1,424	*1,312	1,242
Inventory-retail sales ratio, domestics §			2.1	2.5	2.9	2.9	3.3	3.1	2.7	2.0	2.1	3.0	2.8	2.4	2.3	2.0
Exports (BuCensus), total.....do.....	669,46	627,65	60,12	57,83	59,61	64,52	77,14	25,31	31,58	49,22	51,14	69,70	48,55	43,80	68,14	
To Canada.....do.....	639,67	561,88	55,57	52,36	53,91	58,36	72,45	20,14	29,11	47,20	44,07	58,71	41,72	33,94	60,17	
Imports (ITC), complete units.....do.....	4,691,3	4,589,0	379,3	346,1	387,7	419,8	435,2	393,1	342,7	297,8	423,6	427,8	487,5	379,8	369,2	
From Canada, total.....do.....	1,162,2	926,9	97,7	90,3	76,3	76,4	89,0	51,8	34,8	57,4	81,5	103,1	92,7	91,0	107,2	
Registrations ∆, total new vehicles.....do.....	11,140	10,122	671	829	895	830	963	899	903	955	819	718	840	774	810	
Imports, including domestically sponsored.....do.....	3,444	3,625	214	262	286	273	334	340	339	363	318	286	318	285	281	
Trucks and buses:																
Factory sales (from U.S. plants):																
Total.....do.....	3,893	3,821	314	351	335	335	334	261	305	325	364	303	294	317	344	(2)
Domestic.....do.....	3,130	3,509	290	323	305	304	243	287	299	333	276	268	295	318		
Retail sales, domestics:																
Total, not seasonally adjusted.....do.....																
0-10,000 lbs. GVW.....do.....	13,947.2	4,088.4	305.0	369.9	366.8	353.4	402.3	367.8	349.8	328.7	331.4	323.9	350.4	306.6	374.8	439.7
3,671.3	3,786.1	284.8	343.7	338.5	327.7	375.7	341.5	324.5	302.7	305.4	299.9	323.0	284.3	348.1	407.4	
10,001 lbs. GVW and over.....do.....	1,275.8	302.3	20.7	26.1	25.8	26.6	26.3	25.3	26.0	26.1	24.0	27.3	22.3	26.7	32.3	
Total, seasonally adjusted.....do.....																
0-10,000 lbs. GVW.....do.....																
307.3	304.5	313.4	303.9	329.1	357.1	352.2	406.9	338.7	344.7	346.3	342.6	*362.6	384.6	374.5		
10,001 lbs. GVW and over.....do.....	25.0	24.9	24.9	25.2	24.4	24.4	26.4	24.5	26.4	25.3	24.8	28.7	25.8	*26.3	30.9	29.9
Retail inventories, domestics, end of period: †																
Not seasonally adjusted.....do.....	815.7	967.9	966.4	998.5	1,000.3	1,010.2	975.9	*888.7	874.4	898.4	967.3	990.4	967.9	1,024.0	*1,034.8	1,022.7
Seasonally adjusted.....do.....	854.5	1,015.4	922.3	950.4	951.1	962.0	942.4	*968.6	926.1	945.1	987.4	991.8	1,015.4	1,007.0	*986.3	972.1
Exports (BuCensus), including separate chassis and bodies.....thous. ....do.....	209.06	229.27	16,08	16,91	18,62	22,48	23,96	14,68	12,95	21,20	19,19	24,14	21,16	18,65	22,57	
Imports (BuCensus), including separate chassis and bodies.....thous. ....do.....	1,572.35	1,878.19	124.92	151.15	142.22	126.09	123.32	114.70	91.66	98.15	94.25	112.94	105.54	96.25	94.04	
Registrations ∆, new vehicles, excluding buses not produced on truck chassis.....thous. ....do.....	4,801	4,939	326	410	434	403	485	455	424	459	408	367	417	384	379	
Truck trailers and chassis, complete (excludes detachables), shipments.....number.....	169,269	190,717	14,204	16,279	16,474	16,161	17,290	17,246	16,877	16,879	16,335	15,047	15,411	*12,661	13,992	
Van type.....do.....	122,045	130,585	9,977	11,241	11,350	11,088	11,864	10,322	11,381	11,372	11,520	10,582	*8,946	9,885		
Trailer bodies (detachable), sold.....do.....	417	563	26	20	52	33	41	48	56	70	54	79	45	*37	39	
Trailer chassis (detachable), sold separately.....do.....	15,046	7,560	808	585	977	624	606	615	549	744	851	898	781	*1,711	2,522	
RAILROAD EQUIPMENT																
Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt cars and cars for export):																
Shipments.....number.....	11,508	*13,236			*2,687			8,198			3,848			3,552		
Equipment manufacturers.....do.....	11,508	*13,236			*2,687			3,198			3,848			3,552		
New orders.....do.....	12,426	*17,368			*3,860			4,780								

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

## General Notes for all Pages:

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

## Page S-1

- † 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.  
 † See note "†" for p. S-8.  
 § See note "‡" for p. S-8.

## Page S-3

- # Includes data for items not shown separately.  
 † See note "†" for p. S-8.  
 § See note "‡" for p. S-8.

## 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.

## Page S-5

1. Based on unadjusted data.  
 @ 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.  
 ‡ Effective with the Feb. 1988 SURVEY, data (back to 1984, for some commodities) have been revised. These revisions are available upon request.  
 ◇ See note "†" for p. S-6.

## 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. Only indexes with a base later than December 1981 remain unchanged. Selection of the 1982 period was made to coincide with the reference year of the shipment weights, which have been taken primarily from the 1982 Census of Manufactures. The last rebasing of these indexes occurred in February 1971, when the 1967 base was substituted for the 1957-59 base. 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. Only indexes with a base later than December 1981 remain unchanged. Selection of the 1982-84 period was made to coincide with the updated expenditure weights, which are based upon data tabulated from the Consumer Expenditure Surveys for 1982, 1983, and 1984. The last rebasing of these indexes occurred in February 1971, when the 1967 base was substituted for the 1957-59 base. 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.

## Page S-7

1. Computed from cumulative valuation total.  
 2. Index as of Apr. 1, 1988: building, 384.2; construction, 416.7.  
 # Includes data for items not shown separately.

## Address requests for data to:

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

- § Data for April, July, Oct., and Dec. 1987 are for five weeks; other months four weeks.  
 ◇ Effective Feb. 1988 SURVEY, data for seasonally adjusted housing starts have been revised back to 1985. These revisions are available upon request.

## Page S-8

1. Advance estimate.  
 ◇ 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 mortgage loans closed as FSLIC-insured institutions. Historical data back to 1976 are available upon request.  
 † Effective April 1988 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-13-87S*, available from the Bureau of the Census, Washington, DC 20233.  
 ‡ Effective April 1988 SURVEY, retail trade data have been revised. Estimates of retail sales and inventories have been revised back to January 1983. Some series have been revised back to 1978. Revised data and a summary of changes appear in the report *Revised Monthly Retail Sales and Inventories BR-13-87S*, available from the Bureau of the Census, Washington, DC 20233.

## Page S-9

1. Advance estimate.  
 2. Data beginning Jan. 1986 are not strictly comparable with earlier data because of a change in estimation procedures.  
 # Includes data for items not shown separately.  
 ◇ Effective with the January 1988 SURVEY, the seasonally adjusted labor force series have been revised back to January 1983. The January 1988 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 1983-87 revision period are in the February 1988 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 June 1987 SURVEY, data have been revised back to April 1985 (not seasonally adjusted) and January 1982 (seasonally adjusted) to reflect new benchmarks and seasonal adjustment factors. The June 1987 issue of *Employment and Earnings* will contain a detailed discussion of the effects of the 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.  
 § 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 Apr. 1, 1988: Common, \$17.11; Skilled, \$22.54.  
 @ New series. The Employment Cost Index (ECI) is a quarterly measure of the average change in the cost of employing labor. See p. S-36 of the August through October 1984 issues of the SURVEY for a brief description of the ECI.  
 † Excludes farm, household, and Federal workers.  
 §§ See note "‡" for p. S-11.

**Page S-13**

1. Average for Dec.  
 2. Reported annual; monthly revisions are not available.  
 3. 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.
- ‡ Effective January 1984, series revised due to changes in the reporting panel and in the item contents. The new panel includes 168 banks that had domestic office assets exceeding \$1.4 billion as of December 31, 1982. Beginning Jan. 1985, data are as of the last Wednesday of the month. Earlier data are as of the Wednesday nearest the end of the month or year (meaning some data are as of the first Wednesday of the next month).
- # Includes data for items not shown separately.  
 §§ Reflects offsetting changes in classification of deposits of thrift institutions. Deposits of thrifts were formerly grouped with deposits of individuals, partnerships, and corporations, instead of with deposits of commercial banks in the United States.  
 \* "Transaction balances other than demand deposits" consists of ATS, NOW, super NOW, and telephone transfer accounts, which formerly were classified with savings deposits. "Nontransaction balances" reflects the combination of deposits formerly reported separately as time deposits and the savings deposits remaining after deduction of the items now reported separately under "transaction balances".  
 § 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).  
 ◇ Securities of Federal agencies and corporations have been shifted out of "other securities" and are now combined with U.S. Treasury securities. Also, loan obligations of States and political subdivisions have been shifted out of "other securities" and are now shown separately among the loan items.  
 @ Insured unemployment (all programs) data include claims filed under extended duration provisions of regular State laws; amounts paid under these programs are excluded from state benefit paid data.  
 @@ Insured unemployment as a percent of average covered employment in a 12-month period.  
 \*\* Effective Aug. 1987 SURVEY, data are provided by the Farm Credit Corporation of America on a quarterly basis. Quarterly data are available back to first quarter 1985, with annual data available back to 1961.

**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 Mar. 1988 SURVEY, data have been revised to reflect new benchmark and seasonal adjustments. These revisions are available upon request.  
 † 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.  
 ◇ Adjusted to exclude domestic commercial interbank loans and federal funds sold to domestic commercial banks.  
 ‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.  
 §§ Effective Apr. 1988 SURVEY, a total adjustment of \$920 million for fiscal year (FY) 1987 and \$1,565 million thru Feb. 1988 has been distributed by month for notes issued by the Federal Savings and Loan Insurance Corporation (FSLIC) in lieu of cash and not reported as outlays. The previous adjustment, in the Feb. 1988 SURVEY, has been reversed prior to these corrections. Effective Sept. 1987 SURVEY, the outlays for the Federal Deposit Insurance Corporation (FDIC) have been adjusted by \$442 million for 1986 and \$158 million for 1987 to reflect FDIC debentures issued in lieu of cash and not reported previously as outlays.  
 §§ Courtesy of *Metals Week*.  
 @ Average effective rate  
 @ Revised for periods between October 1986 and February 1987. During this interval, outstanding gold certificates were inadvertently in excess of the gold stock.

**Page S-15**

- † Effective Feb. 1988 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.  
 # Composition of the money stock measures is as follows:  
 M1.—This measure is currency plus demand deposits at commercial banks and interest-earning checkable deposits at all depository institutions—namely NOW accounts, automatic transfer from savings (ATS) accounts, and credit union share draft balances—as well as a small amount of demand deposits at thrift institutions that cannot, using present data sources, be separated from interest-earning checkable deposits.  
 M2.—This measure adds to M1 overnight repurchase agreements (RP's) issued by commercial banks and certain overnight Eurodollars (those issued by Caribbean branches of member banks) held by U.S. nonbank residents, money market mutual fund shares, and savings and small-denomination time deposits (those issued in denominations of less than \$100,000) at all depository institutions. Depository institutions are commercial banks (including U.S. agencies and branches of foreign banks, Edge Act corporations, and foreign investment companies), mutual savings banks, savings and loan associations, and credit unions.  
 M3.—This measure equals M2 plus large-denomination time deposits (those issued in denominations of \$100,000 or more) at all depository institutions (including negotiable CD's) plus term RP's issued by commercial banks and savings and loan associations.  
 L.—This broad measure of liquid assets equals M3 plus other liquid assets consisting of other Eurodollar holdings of U.S. nonbank residents, bankers acceptances, commercial paper, savings bonds, and marketable liquid Treasury obligations.

## 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 Apr. 1988 SURVEY, 1987 data have been revised. Revisions for Jan. 1987: long-term, 7486; short-term, 372.

**Page S-16**

§ 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.

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

**Page S-17**

# Includes data not shown separately.

§ Data may not equal the sum of geographic regions, or commodity groups and principal commodities, because of revisions to the totals not reflected in the components.

**Page S-18**

1. Annual total; quarterly or monthly revisions are not available.  
 2. Restaurant sales index data represent hotels and motor hotels only.  
 3. For month shown.

# Includes data for items not shown separately.

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

\* Data have been revised back to 1981. They now include commuter railroads and small transit systems. Revised data are available upon request.

‡ 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 revisions are not available.  
 2. For month shown.  
 3. Less than 500 short 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.

@ Because of deregulation, carriers are free to enter both domestic and international markets. Previously, carriers were limited either to domestic or overseas markets. Separate data for domestic or overseas are no longer available.

‡ Data for 1985-86 (and 1984, for inorganic chemical production items) have been revised and 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. Data are no longer available.  
 § Data are not wholly comparable from year to year because of changes from one classification to another.

◇ Data for 1985-86 have been revised and are available upon request.

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

**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.  
 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. Less than 50,000 bushels.  
 6. Stock estimates for barley and oats 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.  
 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.  
 § Excludes pearl barley.  
 # Bags of 100 lbs.

§ 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. Figure covers 20 selected States, representing approximately 84 percent of U.S. production.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. See note "†" for this page.
- § Cases of 30 dozen.
- ◊ Bags of 60 kilograms.
- † 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 publication standards of the Bureau of the Census.
4. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- # Totals include data for items not shown separately.

**Page S-24**

1. Annual data; monthly revisions not available.
2. Less than 500 tons.
3. Beginning January 1985, data have been revised because of a new estimation procedure and may not be comparable to earlier periods.
4. See notes 1 and 3 for this page.
5. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- \* 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. Annual data; monthly revisions are not available.
2. For month shown.
3. Includes foreign ores.
- † Beginning January 1982, data represent metallic (mostly aluminum) content. Data for 1981 and prior years represent aluminum content only.
- ◊ The source for these series is now the Bureau of Mines.
- § Source: *Metals Week*.

**Page S-26**

1. Annual data; monthly revisions are not available.
2. Less than 50 tons.
3. Beginning 1st quarter 1984, data have been revised because of a new sample and may not be comparable to earlier periods.
4. Total for 8 months; no data for March, April, September, and October.
5. Total for 10 months; no data for November and December.
6. Beginning July 1986, data are not comparable with earlier periods.
7. Total for 5 months; data for May, June, Sept., Nov., and Dec.
8. Total for 10 months; no data for Jan. and Feb.
- ◊ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.
- @@ All data (except annual production figures) reflect GSA remelted zinc and zinc purchased for direct shipment.
- ‡ Source for monthly data: American Bureau of Metal Statistics. Source for annual data: Bureau of Mines.
- # Includes data not shown separately.
- § Beginning with the Aug. 1985 SURVEY, unadjusted fluid power shipments indexes are shown. Seasonally adjusted indexes are no longer available.
- † For an explanation of material handling equipment shipments and historical data, see p. S-35 of the Dec. 1985 SURVEY.
- @@ Beginning Oct. 1986, the Lead price represents North American Mean.

**Page S-27**

1. Data are for five weeks; other months 4 weeks.
2. Beginning January 1986, data have been restated because a new methodology has been adopted.
3. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- # Includes data for items not shown separately.
- § Includes nonmarketable catalyst coke.
- ◊ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.
- † Effective with the Oct. 1987 SURVEY, coal production data for 1986 have been revised. These revisions are available upon request.

⑥ Includes U.S. produced and imported microwave ovens and combination microwave oven/ranges.

‡ "Tractor shovel loaders" includes some front engine mount wheel tractors that had previously been included in "Tractors, wheel, farm, and nonfarm."

**Page S-28**

1. Reported annual totals; revisions not allocated to the months.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- # Includes data for items not shown separately.

**Page S-29**

1. See note 1 for p. S-28.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- ◊ 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. Crop for the year.
3. Data cover five weeks; other months, four weeks.
4. Total for 9 months. Effective with the release of data for Oct. 1987, data are being withheld to avoid disclosing data from individual companies.
- # Includes data for items not shown separately.
- ◊ Cumulative ginnings to the end of month indicated.
- § Bales of 480 lbs.

**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. Estimated figure.
6. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- ◊ 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).
- # Includes data not shown separately.
- § Bales of 480 lbs..
- † Beginning 1st qtr. 1987, data are not comparable with earlier periods because they represent production of women's and girls' apparel and changes in representation of some items.

**Page S-32**

1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for Mar. 1988: *passenger cars*, 661; *trucks and buses*, 390.
3. Data are reported on an annual basis only.
4. Effective with the Feb. 1988 SURVEY, data have been revised back to 1985 and are available upon request.
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. Effective with 1987, frequency of reporting has been changed from a monthly to a quarterly basis.
9. See note "†" for this page.

# 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.

@@ Beginning 1st qtr. 1987, data are not comparable with earlier periods because they represent production of men's and boys' apparel and changes in representation of some items.

† 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.

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Subject	Release Date*	Subject	Release Date*
State Personal Income, 3d quarter 1987.....	Jan. 21	State Personal Income, 1st quarter 1988.....	July 20
Gross National Product, 4th quarter 1987 (preliminary) .....	Jan. 27	Gross National Product, 2d quarter 1988 (preliminary) .....	July 27
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Personal Income and Outlays, February 1988.....	Mar. 24	Summary of International Transactions, 2d quarter 1988.....	Sept. 13
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Plant and Equipment Expenditures, 4th quarter 1987 and Revised Plans for 1988.	Apr. 15	Corporate Profits, 2d quarter 1988 (revised) .....	Sept. 20
State Personal Income, 4th quarter 1987 and Per Capita Personal Income, 1987 (preliminary).	Apr. 20	Personal Income and Outlays, August 1988 .....	Sept. 21
Gross National Product, 1st quarter 1988 (preliminary) .....	Apr. 26	Composite Indexes of Leading, Coincident, and Lagging Indicators, August 1988.	Sept. 30
Corporate Profits, 4th quarter 1987 (revised) .....	Apr. 26	State Personal Income, 2d quarter 1988.....	Oct. 18
Personal Income and Outlays, March 1988 .....	Apr. 27	Gross National Product, 3d quarter 1988 (preliminary) .....	Oct. 26
Composite Indexes of Leading, Coincident, and Lagging Indicators, March 1988.	Apr. 29	Personal Income and Outlays, September 1988.....	Oct. 27
Personal Income for Counties and Metropolitan Areas, 1986....	May 4	Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1988.	Nov. 1
Merchandise Trade (balance of payments basis), 1st quarter 1988.	May 25	Merchandise Trade (balance of payments basis), 3d quarter 1988.	Nov. 28
Gross National Product, 1st quarter 1988 (1st revision).....	May 26	Gross National Product, 3d quarter 1988 (1st revision).....	Nov. 29
Corporate Profits, 1st quarter 1988 (preliminary) .....	May 26	Corporate Profits, 3d quarter 1988 (preliminary) .....	Nov. 29
Personal Income and Outlays, April 1988.....	May 27	Personal Income and Outlays, October 1988 .....	Nov. 30
Composite Indexes of Leading, Coincident, and Lagging Indicators, April 1988.	June 1	Composite Indexes of Leading, Coincident, and Lagging Indicators, October 1988.	Dec. 1
Plant and Equipment Expenditures, 1st quarter 1988 and Revised Plans for 1988.	June 9	Summary of International Transactions, 3d quarter 1988 .....	Dec. 13
Summary of International Transactions, 1st quarter 1988.....	June 14	Gross National Product, 3d quarter 1988 (2d revision).....	Dec. 20
Gross National Product, 1st quarter 1988 (2d revision).....	June 23	Corporate Profits, 3d quarter 1988 (revised) .....	Dec. 20
Corporate Profits, 1st quarter 1988 (revised) .....	June 23	Personal Income and Outlays, November 1988 .....	Dec. 21
Personal Income and Outlays, May 1988.....	June 24	Plant and Equipment Expenditures, 3d quarter 1988, Revised Plans for 1988, and Plans for 1989 .	Dec. 21†
Composite Indexes of Leading, Coincident, and Lagging Indicators, May 1988.	June 29	Composite Indexes of Leading, Coincident, and Lagging Indicators, November 1988.	Dec. 30

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

† A transfer of the Plant and Equipment Expenditures survey to the Census Bureau is planned. Under the plan, this release will be issued by the Census Bureau.

\* These are target dates and are subject to revision.