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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).

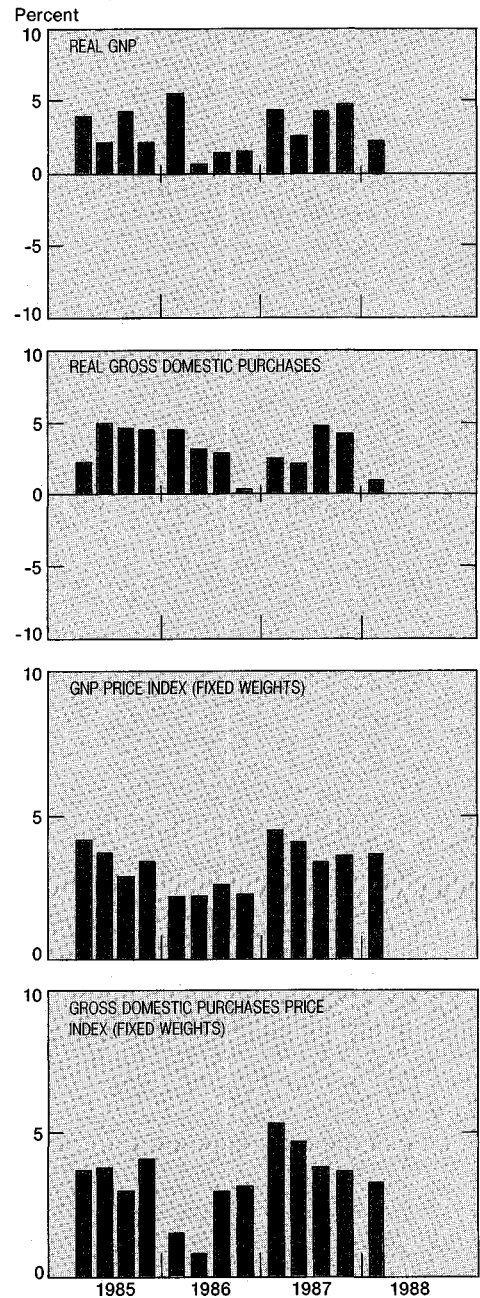
- Real GNP increased at an annual rate of 2½ percent, following an increase of 5 percent in the fourth quarter.
- Real gross domestic purchases increased at an annual rate of 2 percent, following a 4½-percent increase.

- 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

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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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.

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
	1987		1988			
	III	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	183.2	193.9	-20.0	10.7	
Other.....	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)

	Billions of 1982 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter							
		1987			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.....	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 ²	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.

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.

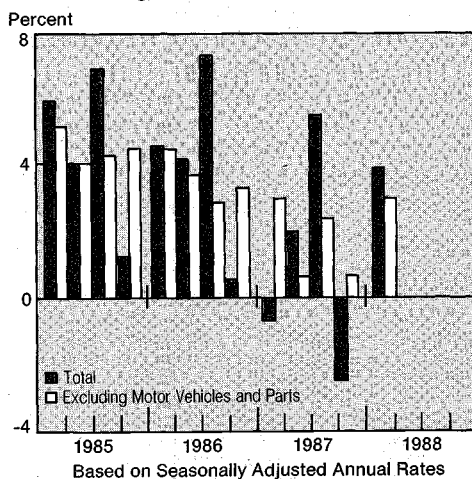
Nonresidential fixed investment

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



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

88-4-2

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			1988
						II	III	IV	I
	1988:I	II	III	IV	I	II	III	IV	I
Gross private domestic fixed investment.....	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	6.3	.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	9.3	-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.

The decline in multifamily construction resumed a downtrend that had been interrupted by a small increase in the fourth quarter. The downtrend 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.¹ 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.

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.

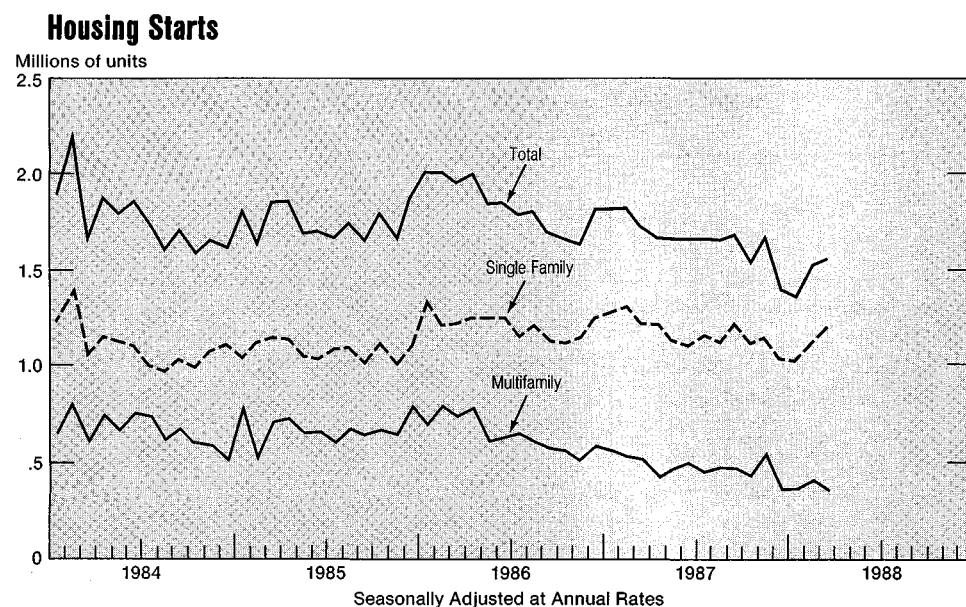
Table 4.—Change in Real Business Inventories

[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."

CHART 3



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

88-4-3

Table 5.—Real Net Exports of Goods and Services

[Seasonally adjusted at annual rates]

	Billions of 1982 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1987			
		1987			1988	1987			1988
	1988:I	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	13.7	7.5	11.1	22.4	9.9	5.2
Merchandise.....	472.3	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	-23.4	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

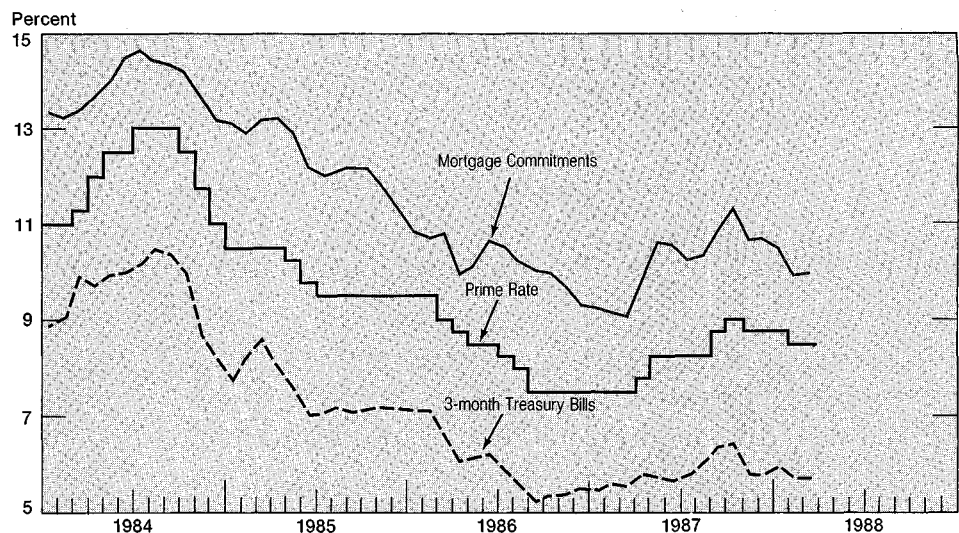
(table 5). Exports and imports both increased, although less than in recent quarters.

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.

Selected Interest Rates



Data: FRB, FLHLMC.

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

CHART 4

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Imports of services increased $\$1\frac{1}{2}$ billion after an increase of $\$3\frac{1}{2}$ 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 $\$20\frac{1}{2}$ billion, or 10 percent, in the first quarter, following an increase of $\$17$ billion, or 9 percent, in the fourth (table 6). The sharp turn-about 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 $\$1\frac{1}{2}$ 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 $\$1\frac{1}{2}$ 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— $3\frac{1}{2}$ 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 $126\frac{1}{2}$ 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— $7\frac{1}{2}$

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

PCE prices increased $2\frac{1}{2}$ 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:I	II	III	IV	I	II	III	IV	I
Government purchases of goods and services.....	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				
Other.....	78.4	5.8	-1.1	1.9	-6	36.1	-5.5	10.2	-3.0
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 3.8B.

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	3.7	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

Table 8.—Personal Income and Its Disposition

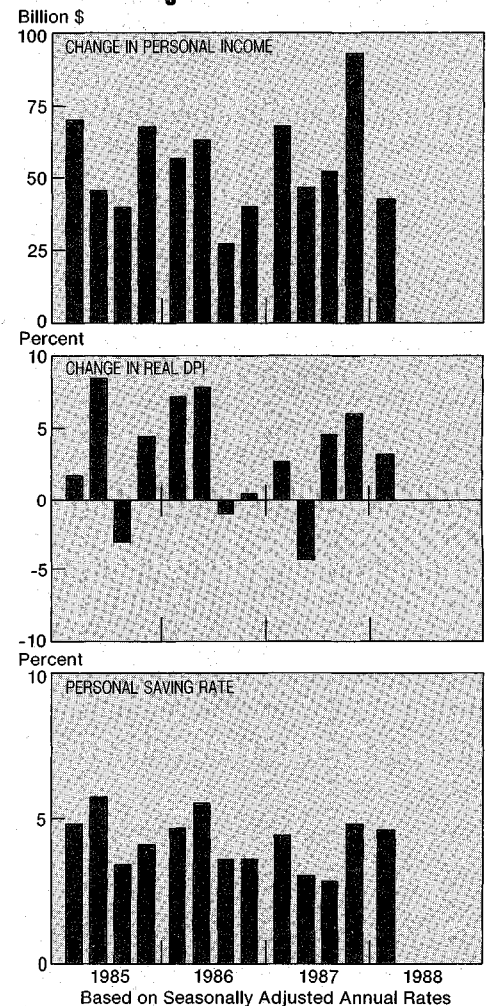
(Billions of dollars; seasonally adjusted at annual rates)

	Level 1988:I	Change from preceding quarter			
		1987			1988
		II	III	IV	I
Wage and salary disbursements.....	2,306.5	28.1	34.7	44.1	36.3
Manufacturing.....	499.8	1.8	6.1	9.6	5.1
Other commodity-producing.....	161.8	.3	.7	3.3	1.8
Distributive.....	542.9	7.4	7.4	8.7	7.9
Services.....	662.9	12.6	14.6	15.4	18.6
Government and government enterprises.....	439.1	5.9	6.1	7.0	7.9
Other labor income.....	215.4	2.8	1.6	2.4	1.9
Proprietors' income.....	336.7	2.2	-4	20.0	-6.0
Farm.....	44.1	-4.0	-6.7	13.7	-10.2
Nonfarm.....	292.6	6.1	6.3	6.3	4.2
Rental income of persons.....	21.1	-1.1	-1.6	3.6	.2
Personal dividend income.....	92.1	1.8	2.4	1.8	1.6
Personal interest income.....	545.8	6.5	13.7	18.8	7.0
Transfer payments.....	569.0	7.8	4.3	5.6	17.6
Less: Personal contributions for social insurance.....	189.4	1.7	2.3	2.9	15.8
Personal income.....	3,897.2	46.6	52.4	93.4	42.8
Less: Personal tax and nontax payments.....	577.0	41.9	-12.3	13.7	-2.4
Impact of Tax Reform Act of 1986 ¹		25.7	-25.6	.6	-15.1
Other.....		16.2	13.3	13.1	12.7
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."

CHART 5
Selected Personal Income and Saving Measures



Note.—Changes are from preceding quarter.

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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

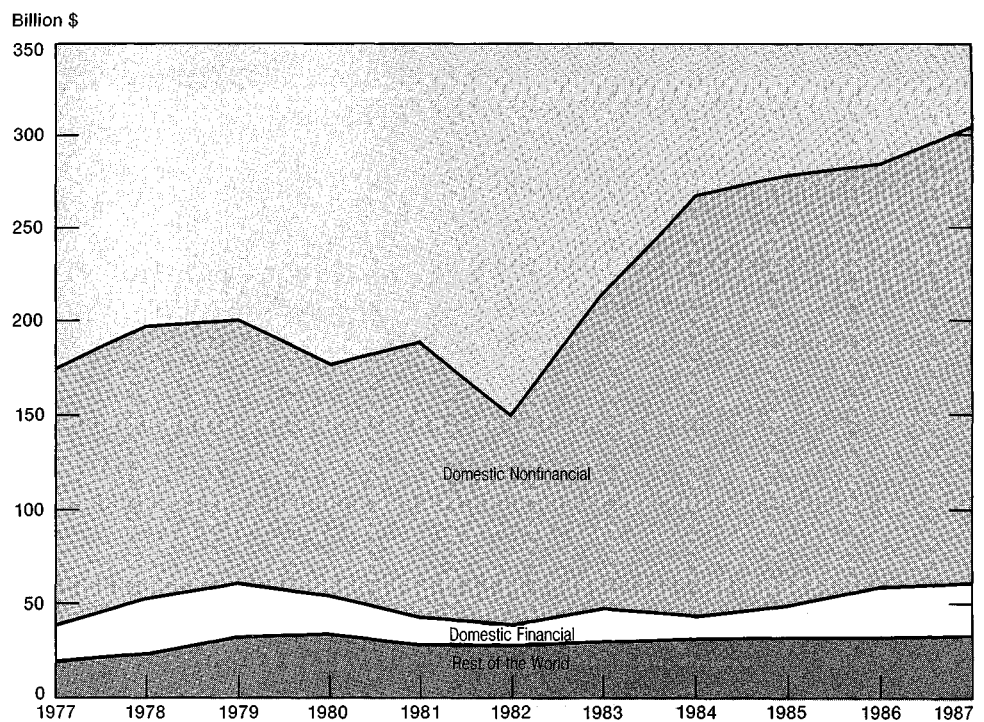
\$7 billion, and profits tax liability increased \$31½ billion after an increase of \$8½ billion. Thus profits after tax increased \$11 billion in 1987 after a \$1½ billion decline in 1986.

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
Profits From Current Production



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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.

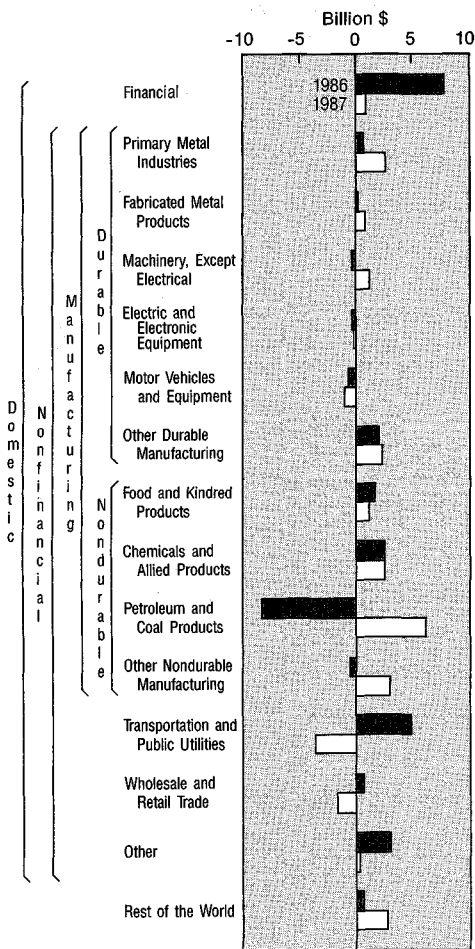
In 1987, increased revenue was the main contributor to increased profits in chemicals. Spurred by foreign demand, sales revenue increased 8½ percent, with volume increasing 6½ percent and prices 2 percent. Exports increased 16 percent, almost four times as much as the year before. In this context of 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



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National Income and Product Accounts Tables

Selected NIPA Tables

New estimates in this issue: First quarter 1988, preliminary (^P); for corporate profits and related items, fourth quarter and annual 1987, revised (^r).

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 ^P
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	2,943.7	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
Nondurable 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	134.2	132.9	128.7	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	383.3	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	376.6	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.....	508.5	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 1.2.—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 ^P
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	399.0	375.9	385.4	406.9	384.5	396.2
Nondurable 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	443.2	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.....	313.5	323.9	318.6	305.6	317.5	336.6	335.8	360.3
Residential.....	196.4	196.4	198.2	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	533.0	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 1.3.—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 ^P
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	4,608.9
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
Nondurable 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 1.4.—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 ^P
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	809.3	826.8
Final sales.....	712.6	747.5	735.5	707.8	733.4	787.3	761.4	804.7
Change in business inventories.....	4.3	23.1	-4.3	31.4	19.9	-1.0	41.9	22.1
Nondurable goods.....	878.1	884.7	871.4	886.8	885.0	880.4	886.4	882.1
Final sales.....	868.6	864.8	848.1	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	1,812.6
Structures	387.4	383.7	387.5	382.1	379.7	382.0	391.0	381.2

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

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 ^P	
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	383.3	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 ¹	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 ²	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 ^P	
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.....	3,533.8	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	3,228.5	3,286.5	3,333.8	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	148.8	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 ^P	
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	3,303.4	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	2,868.7	2,890.7	2,913.5	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	363.3	361.6	362.0	363.0	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 ^P	
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.....	377.4	425.8	388.3	397.8	414.5	437.1	453.5	464.6	
Plus: Imports of goods and services.....	523.2	561.3	540.1	538.0	547.2	575.6	589.3	596.8	
Equals: Gross domestic purchases ¹	3,859.1	3,956.6	3,883.3	3,907.4	3,927.9	3,974.4	4,016.6	4,034.9	
Less: Change in business inventories.....	13.8	42.9	-14.4	47.6	39.0	24.6	60.5	57.9	
Equals: Final sales to domestic purchasers ²	3,845.3	3,913.6	3,897.6	3,859.7	3,888.9	3,949.8	3,956.1	3,977.0	

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 ^P	
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.....	22.8	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.....	234.4	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	3,708.6	3,761.0	3,854.4	3,897.2	

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates						
			1986		1987				1988
			IV	I	II	III	IV	I ^P	
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: Capital consumption allowances with capital consumption adjustment.....	442.0	458.7	449.1	453.2	456.6	460.4	464.6	468.3	
Equals: Net national product.....	3,271.2	3,362.3	3,282.4	3,318.9	3,338.7	3,375.5	3,416.2	3,434.4	
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises.....	314.2	320.5	318.7	316.2	319.9	323.6	322.4	326.1	
Statistical discrepancy.....	-4.3	-3.9	-10.2	-1.9	-2.7	-9.4	-1.8	-1.8	
Equals: National income.....	2,961.4	3,045.7	2,973.9	3,004.6	3,021.5	3,061.3	3,095.6		

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						1988
			1986	1987					
			IV	I	II	III	IV	I ^P	
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 with inventory valuation adjustment	217.7	238.9	223.9	232.4	236.5	240.6	246.2	249.3	
Capital consumption 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 with capital consumption adjustment	62.2	67.6	64.6	66.2	67.2	66.9	70.0	70.9	
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 ^P
			Billions of dollars					
Gross domestic product of corporate business	2,539.1	2,674.8	2,572.0	2,613.7	2,646.8	2,703.3	2,735.4	.....
Capital consumption allowances with capital consumption adjustment	282.8	296.2	289.3	291.8	294.5	297.8	300.9	304.4
Net domestic product	2,256.2	2,378.6	2,282.7	2,321.9	2,352.3	2,405.5	2,434.5	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies	242.2	255.2	244.8	248.0	253.9	259.2	259.8	264.5
Domestic income	2,014.1	2,123.3	2,037.9	2,073.9	2,098.4	2,146.3	2,174.7	.....
Compensation of employees	1,689.1	1,777.2	1,715.3	1,741.1	1,760.7	1,786.6	1,820.4	1,848.3
Wages and salaries	1,414.4	1,494.5	1,437.1	1,463.1	1,480.2	1,502.6	1,532.1	1,553.5
Supplements to wages and salaries	274.7	282.7	278.2	278.1	280.6	284.0	288.3	294.8
Corporate profits with inventory valuation and capital consumption adjustments	253.2	270.6	251.4	261.3	263.8	283.1	274.3	.....
Profits before tax	200.7	240.0	218.2	224.4	235.7	253.0	246.9	.....
Profits tax liability	105.0	136.3	113.9	128.0	134.2	143.0	140.0	.....
Profits after tax	95.6	103.7	104.3	96.4	101.5	110.0	106.9	.....
Dividends	71.5	86.5	72.0	80.2	84.1	87.6	94.1	91.6
Undistributed profits	24.1	17.2	32.3	16.2	17.5	22.4	12.8	.....
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	71.8	75.5	71.1	71.5	73.9	76.7	80.1	80.5
Gross domestic product of financial corporate business	163.0	180.9	167.3	178.9	181.4	182.2	181.3	.....
Gross domestic product of nonfinancial corporate business	2,376.1	2,493.8	2,404.7	2,434.8	2,465.4	2,521.1	2,554.0	.....
Capital consumption allowances with capital consumption adjustment	264.4	275.8	269.6	271.8	274.3	277.2	280.0	282.9
Net domestic product	2,111.7	2,218.0	2,135.1	2,163.0	2,191.2	2,243.9	2,274.0	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies	226.4	238.2	228.5	231.4	237.0	242.0	242.4	246.9
Domestic income	1,885.3	1,979.8	1,906.6	1,931.6	1,954.2	2,001.9	2,031.6	.....
Compensation of employees	1,560.7	1,630.7	1,582.6	1,598.4	1,615.1	1,638.6	1,670.5	1,697.8
Wages and salaries	1,306.4	1,370.6	1,325.2	1,342.5	1,357.1	1,377.5	1,405.3	1,426.3
Supplements to wages and salaries	254.2	260.1	257.3	256.0	258.0	261.1	265.2	271.5
Corporate profits with inventory valuation and capital consumption adjustments	225.8	243.7	224.6	233.4	235.9	256.2	249.3	.....
Profits before tax	174.6	213.0	192.1	196.9	207.9	226.0	221.4	.....
Profits tax liability	78.3	107.8	87.2	99.8	105.3	114.4	111.8	.....
Profits after tax	96.3	105.2	104.9	97.1	102.6	111.6	109.7	.....
Dividends	74.1	88.8	75.6	82.4	86.3	89.9	96.5	94.1
Undistributed profits	22.2	16.5	29.2	14.7	16.4	21.7	13.2	.....
Inventory valuation adjustment	6.5	-17.5	-8.9	-11.3	-20.0	-17.6	-21.3	-15.9
Capital consumption adjustment	44.6	48.2	41.4	47.8	47.9	47.8	49.1	46.6
Net interest	98.9	105.5	99.4	99.8	103.2	107.1	111.8	112.5
			Billions of 1982 dollars					
Gross domestic product of nonfinancial corporate business	2,182.2	2,239.0	2,199.3	2,207.6	2,219.9	2,254.4	2,274.1	.....
Capital consumption allowances with capital consumption adjustment	259.8	269.1	263.9	266.2	267.9	270.0	272.3	274.0
Net domestic product	1,922.4	1,969.9	1,935.3	1,941.4	1,952.0	1,984.4	2,001.8	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies	200.3	203.2	203.4	200.5	202.5	205.6	204.3	206.6
Domestic income	1,722.1	1,766.6	1,731.9	1,740.9	1,749.5	1,778.7	1,797.5	.....

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 ^P
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 ¹	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 ²	108.3	108.1	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 ^P
Truck output ¹	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 ^P
Truck output ¹	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	8.3	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 ^P
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	93.7	105.3	83.3	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	-1.0
Addenda:								
Domestic output of new autos ¹	98.2	93.8	101.1	99.3	93.4	85.1	97.2	86.0
Sales of imported new autos ²	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 ^P
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	13.0	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	-21.8	-22.8	-24.4	-23.1	-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 ¹	85.3	79.6	86.3	85.8	79.7	71.4	81.7	72.0
Sales of imported new autos ²	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 ^P	
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	533.8	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	13.2	13.4	
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	140.3	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	2,898.8	2,943.7	3,011.3	3,022.6	3,068.7	
Interest paid by consumers to business.....	89.9	93.5	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	2,735.4	
Per capita:									
Current dollars.....	12,508	13,050	12,626	12,865	12,858	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 ^P	
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	514.0	519.3	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	103.7	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 ^P	
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	437.1	438.6	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	153.1	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	

Table 3.2.—Federal Government Receipts and Expenditures

(Billions of dollars)

	1986	1987	Seasonally adjusted at annual rates					1988
			1986	1987				
				IV	I	II	III		IV	I^{P}
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	373.6	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.....	7.7	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	143.9	152.6
Interest paid.....	157.3	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	19.3	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					1988
			1986	1987				
				IV	I	II	III		IV	I^{P}
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	73.3	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
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.....	5.3	-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	6.4	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	26.8	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					1988
			1986	1987				
				IV	I	II	III		IV	I^{P}
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	13.3	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	58.3
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	-5.6	-15.5	

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

(Billions of 1982 dollars)

	1986	1987	Seasonally adjusted at annual rates					1988
			1986	1987				
				IV	I	II	III		IV	I^{P}
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
Durable goods.....	77.9	87.7	80.3	83.7	86.4	92.3	88.7	85.7
Nondurable goods.....	15.1	14.5	15.3	14.0	14.5	14.5	15.2	13.8
Services.....	152.0	155.8	151.3	153.6	157.0	155.2	157.5	156.6
Compensation of employees.....	88.8	89.1	89.2	89.0	89.0	89.1	89.2	89.1
Military.....	59.9	60.2	60.3	60.3	60.1	60.2	60.3	60.2
Civilian.....	28.9	28.9	28.9	28.8	28.9	28.9	28.9	28.8
Other services.....	63.2	66.8	62.1	64.6	68.0	66.1	68.4	67.5
Structures.....	5.6	6.1	5.9	6.1	5.7	6.4	6.2	5.8
Nondefense.....	81.8	71.7	91.9	69.9	69.1	67.9	80.0	63.5
Durable goods.....	4.6	5.3	4.5	4.8	5.3	5.2	5.8	5.7
Nondurable goods.....	13.6	1.8	24.6	3.1	-2.5	-2.8	7.3	-8.7
Commodity Credit Corporation inventory change.....	7.8	-5.0	18.8	-2.5	-9.1	-9.2	1.0	-14.9
Other nondurables.....	5.8	6.2	5.8	5.6	6.6	6.3	6.3	6.3
Services.....	57.5	58.3	57.0	55.8	59.3	58.7	59.4	60.0
Compensation of employees.....	33.8	33.8	33.8	33.7	33.8	33.8	33.8	33.9
Other services.....	23.7	24.5	23.1	22.1	25.4	24.8	25.6	26.1
Structures.....	6.1	6.9	5.9	6.3	7.1	6.9	7.4	6.4
State and local	422.1	435.8	427.1	432.3	434.1	435.4	441.3	442.9
Durable goods.....	22.7	24.8	23.5	24.0	24.6	25.1	25.7	26.3
Nondurable goods.....	43.3	46.2	44.4	45.1	45.8	46.6	47.4	48.3
Services.....	301.7	309.2	304.3	306.5	308.4	310.0	311.3	313.8

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 ^P
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	2.5	2.4	2.6	2.5	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	28.3	29.2	28.8
Installation support ¹	18.6	21.7	18.3	20.3	21.8	22.1	22.6	22.6
Weapons support ²	7.7	9.3	7.8	8.7	9.4	9.2	9.9	9.7
Personnel support ³	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 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 ^P
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	13.2	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	5.3	5.1	4.3	5.0	4.7
Electronic equipment.....	4.8	5.3	5.1	5.3	5.3	5.5	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.....	3.5	3.4	3.9	3.0	3.1	3.2	3.6	3.1
Ammunition.....	4.3	3.8	4.0	3.8	4.0	4.1	3.5	3.5
Other nondurable goods.....	2.3	2.3	2.3	2.2	2.4	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	89.2	89.0	89.0	89.1	89.2	89.1
Military.....	59.9	60.2	60.3	60.3	60.1	60.2	60.3	60.2
Civilian.....	28.9	28.9	28.9	28.8	28.9	28.9	28.9	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 ¹	15.6	17.6	15.3	16.7	17.8	17.9	18.0	18.0
Weapons support ²	6.8	8.1	6.8	7.7	8.3	8.1	8.5	8.3
Personnel support ³	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 4.1.—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 ^P
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	257.6	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 ¹	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 ¹	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 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 ^P
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 ¹	74.5	79.3	70.7	74.7	77.9	78.7	85.9	83.5
Other.....	58.2	65.4	61.0	64.5	66.1	67.1	63.8	65.5
Imports of goods and services	523.2	561.3	540.1	533.0	547.2	575.6	589.3	596.8
Merchandise.....	420.2	444.5	435.7	425.2	432.8	454.9	465.3	472.3
Durable goods.....	248.1	264.6	255.7	253.5	258.3	266.2	280.5	278.8
Nondurable goods.....	172.1	179.9	179.9	171.7	174.5	188.8	184.8	193.6
Services.....	103.0	116.8	104.5	107.8	114.4	120.6	124.0	124.5
Factor income ¹	44.8	55.9	46.5	48.1	54.0	58.7	62.7	61.9
Other.....	58.2	60.9	58.0	59.7	60.4	62.0	61.3	62.6

1. Line 6 less line 13 equals rest-of-the-world product as shown in table 1.8.

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^{P}
Merchandise exports	224.9	257.6	231.7	235.6	247.4	267.2	280.3	292.4
Foods, feeds, and beverages.....	22.6	24.6	22.7	21.5	23.4	28.3	25.3	29.2
Industrial supplies and materials.....	58.1	67.0	60.5	62.1	66.2	68.2	71.7	76.8
Durable goods.....	18.6	19.1	17.5	17.9	18.3	19.6	20.6	22.8
Nondurable goods.....	41.6	47.9	43.0	44.1	47.9	48.6	51.1	54.0
Capital goods, except autos.....	79.8	90.8	82.3	82.1	84.5	95.7	100.7	105.6
Autos.....	25.4	27.2	24.9	25.9	26.2	26.0	30.7	31.2
Consumer goods.....	14.5	18.0	15.6	16.4	17.6	18.7	19.2	20.8
Durable goods.....	5.7	7.4	6.5	6.8	7.3	7.6	8.1	8.8
Nondurable goods.....	8.8	10.6	9.1	9.6	10.4	11.2	11.2	12.0
Other.....	24.4	30.0	25.7	27.6	29.5	30.3	32.6	28.8
Durable goods ¹	12.2	15.0	12.9	13.8	14.8	15.1	16.3	14.4
Nondurable goods ¹	12.2	15.0	12.9	13.8	14.8	15.1	16.3	14.4
Merchandise imports	367.5	411.3	382.8	386.1	401.8	421.7	435.4	437.2
Foods, feeds, and beverages.....	24.0	24.4	24.4	23.9	24.4	24.5	24.6	26.4
Industrial supplies and materials, excluding petroleum.....	61.4	66.0	64.1	63.6	62.3	65.6	72.4	75.1
Durable goods.....	32.1	33.5	33.5	32.7	31.8	33.1	36.6	37.9
Nondurable goods.....	29.3	32.4	30.6	30.9	30.5	32.5	35.8	37.2
Petroleum and products.....	33.8	42.5	32.0	34.8	40.0	50.6	44.8	42.2
Capital goods, except autos.....	75.4	87.1	79.3	79.2	85.1	89.0	95.2	97.6
Autos.....	78.1	85.2	82.0	82.4	84.3	85.1	88.9	82.8
Consumer goods.....	77.8	87.0	82.9	82.9	87.5	87.9	89.7	92.8
Durable goods.....	43.6	46.8	46.1	45.2	46.5	47.4	48.0	48.8
Nondurable goods.....	34.2	40.2	36.9	37.7	41.1	40.5	41.6	44.0
Other.....	17.0	19.1	18.0	19.2	18.3	19.1	19.8	20.4
Durable goods ¹	8.5	9.5	9.0	9.6	9.1	9.5	9.9	10.2
Nondurable goods ¹	8.5	9.5	9.0	9.6	9.1	9.5	9.9	10.2
Addenda:								
Exports of agricultural products ²	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 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^{P}
Merchandise exports	244.6	281.1	256.7	258.7	270.5	291.4	303.8	315.6
Foods, feeds, and beverages.....	25.7	30.0	27.5	26.3	28.8	34.5	30.4	33.9
Industrial supplies and materials.....	63.5	70.2	67.4	67.6	70.1	70.4	72.8	76.5
Durable goods.....	18.1	20.0	19.5	19.5	19.4	20.2	20.9	22.7
Nondurable goods.....	45.4	50.2	47.9	48.1	50.8	50.2	51.9	53.8
Capital goods, except autos.....	94.2	110.4	98.5	98.5	102.6	116.2	124.3	131.0
Autos.....	22.6	23.8	22.0	22.9	22.9	22.7	26.7	27.0
Consumer goods.....	14.0	17.0	15.0	15.6	16.7	17.6	18.1	19.5
Durable goods.....	5.9	7.5	6.7	6.9	7.4	7.7	8.1	8.8
Nondurable goods.....	8.1	9.5	8.3	8.7	9.3	10.0	10.0	10.7
Other.....	24.6	29.7	26.2	27.8	29.4	29.9	31.6	27.7
Durable goods ¹	12.3	14.8	13.1	13.9	14.7	14.9	15.8	13.8
Nondurable goods ¹	12.3	14.8	13.1	13.9	14.7	14.9	15.8	13.8
Merchandise imports	420.2	444.5	435.7	425.2	432.8	454.9	465.3	472.3
Foods, feeds, and beverages.....	22.9	23.5	23.0	23.2	24.2	23.5	23.2	24.0
Industrial supplies and materials, excluding petroleum.....	72.8	73.6	75.1	74.9	71.0	71.3	77.3	78.0
Durable goods.....	38.0	37.6	38.9	38.6	36.4	36.1	39.2	39.6
Nondurable goods.....	34.8	36.0	36.2	36.3	34.6	35.2	38.0	38.5
Petroleum and products.....	74.3	77.4	78.5	69.5	72.1	87.5	80.5	86.4
Capital goods, except autos.....	93.3	108.1	97.6	96.8	103.8	111.4	120.3	123.2
Autos.....	66.3	68.1	67.3	67.2	67.7	67.9	69.9	64.6
Consumer goods.....	74.1	76.3	77.1	75.3	77.2	76.3	76.5	78.2
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 ¹	8.3	8.8	8.6	9.1	8.5	8.7	8.8	9.0
Nondurable goods ¹	8.3	8.8	8.6	9.1	8.5	8.7	8.8	9.0
Addenda:								
Exports of agricultural products ²	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 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^{P}
Gross saving	532.0	565.2	515.3	554.3	551.3	559.3	595.9	.....
Gross private saving	679.8	672.6	653.4	683.8	639.9	648.7	718.2	.....
Personal saving.....	130.6	119.0	109.0	138.4	93.2	88.3	155.7	153.1
Undistributed corporate profits with inventory valuation and capital consumption adjustments.....	92.6	74.6	78.5	75.6	70.1	76.8	75.7	.....
Undistributed profits.....	40.0	48.9	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 accruals 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	-139.2	-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 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^{P}
National income without capital consumption adjustment	3,394.5	3,602.3	3,446.2	3,515.0	3,560.4	3,626.2	3,707.5	.....
Domestic industries	3,360.7	3,574.9	3,418.6	3,484.2	3,532.6	3,602.3	3,680.0	.....
Private industries	2,864.7	3,045.9	2,910.7	2,967.0	3,007.2	3,070.2	3,139.2	.....
Agriculture, forestry, and fisheries.....	82.9	93.9	81.9	96.4	92.7	86.1	100.4	.....
Mining.....	40.2	40.0	37.1	37.3	39.0	41.1	42.4	.....
Construction.....	181.8	190.5	186.2	188.4	190.5	190.0	193.1	.....
Manufacturing.....	684.4	720.5	695.5	697.3	710.5	734.5	739.6	.....
Durable goods.....	410.7	423.0	412.7	419.8	419.0	429.0	424.3	.....
Nondurable goods.....	273.7	297.4	282.8	277.5	291.5	305.5	315.3	.....
Transportation and public utilities.....	269.5	277.0	271.7	269.6	274.7	277.6	286.3	.....
Transportation.....	113.8	120.6	117.3	117.4	119.1	121.0	124.9	.....
Communication.....	70.9	72.7	71.1	70.8	72.2	73.8	74.1	.....
Electric, gas, and sanitary services.....	84.7	83.7	83.3	81.3	83.4	82.8	87.3	.....
Wholesale trade.....	210.1	219.3	213.0	219.0	213.2	221.2	223.7	.....
Retail trade.....	301.3	313.8	303.3	308.9	311.2	317.6	317.7	.....
Finance, insurance, and real estate.....	465.6	510.6	477.4	492.8	504.3	515.1	530.4	.....
Services.....	629.0	680.2	644.7	657.3	671.1	687.0	705.6	.....
Government and government enterprises	496.1	529.0	508.0	517.3	525.4	532.6	540.8	.....
Rest of the world	33.7	27.4	27.5	30.7	27.8	23.4	27.5	25.7

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 ^P	
Change in business inventories.....	15.7	46.1	-6.4	51.6	40.3	22.9	69.4	57.0	
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 ¹	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	6.2	-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	-3.0	.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	
Nondurable goods.....	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]

	Seasonally adjusted quarterly totals						
	1986	1987					1988
		IV	I	II	III	IV		I^{P}
Inventories¹.....	863.4	884.6	906.9	921.4	948.1	968.5	
Farm.....	66.7	69.4	76.3	79.3	81.9	86.9	
Nonfarm.....	796.7	815.2	830.5	842.1	866.2	881.6	
Durable goods.....	469.6	480.0	487.9	493.1	511.5	520.4	
Nondurable goods.....	327.1	335.2	342.6	349.0	354.7	361.2	
Manufacturing.....	324.3	327.7	329.3	336.6	343.7	350.7	
Durable goods.....	217.1	217.6	217.7	222.6	228.8	233.5	
Nondurable goods.....	107.1	110.1	111.6	113.9	114.9	117.2	
Wholesale trade.....	181.5	185.2	189.8	192.2	198.1	205.4	
Durable goods.....	117.8	120.0	122.3	123.0	127.2	132.9	
Nondurable goods.....	63.8	65.3	67.5	69.2	70.9	72.5	
Merchant wholesalers.....	157.6	160.1	165.1	167.0	172.5	178.8	
Durable goods.....	103.8	105.8	108.3	108.6	112.2	117.5	
Nondurable goods.....	53.7	54.3	56.8	58.4	60.3	61.3	
Nonmerchant wholesalers.....	23.9	25.1	24.7	25.2	25.6	26.6	
Durable goods.....	13.9	14.2	14.0	14.3	15.0	15.4	
Nondurable goods.....	10.0	10.9	10.7	10.9	10.6	11.2	
Retail trade.....	189.5	197.8	204.3	203.2	210.0	209.4	
Durable goods.....	95.3	101.4	105.1	102.3	107.9	105.4	
Nondurable goods.....	94.2	96.3	99.2	100.9	102.0	104.0	
Other.....	101.4	104.5	107.2	110.2	114.4	116.1	
Final sales².....	304.8	306.1	312.1	319.6	321.4	325.8	
Final sales of goods and structures ²	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 ^P	
Change in business inventories.....	13.8	42.9	-14.4	47.6	39.0	24.6	60.5	57.9	
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	.5	-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	5.8	6.2	5.1	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]

	Seasonally adjusted quarterly totals						
	1986	1987					1988
		IV	I	II	III	IV		I^{P}
Inventories¹.....	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.....	438.7	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	183.0	188.0	186.3	
Durable goods.....	87.3	92.0	94.4	91.4	95.9	93.2	
Nondurable goods.....	87.5	89.1	90.6	91.6	92.1	93.1	
Other.....	103.2	104.9	106.4	108.0	109.9	111.3	
Final sales².....	269.4	267.3	270.0	274.6	275.0	277.0	
Final sales of goods and structures ²	167.0	163.4	164.9	168.7	168.4	169.3	
Ratio of inventories to final sales							
Inventories to final sales.....	3.14	3.21	3.21	3.18	3.23	3.26	
Nonfarm inventories to final sales.....	2.87	2.93	2.92	2.88	2.93	2.94	
Nonfarm inventories to final sales of goods and structures.....	4.62	4.80	4.79	4.70	4.78	4.81	

1. Inventories are as of the end of the quarter. Quarter-to-quarter changes calculated from this table are at quarterly rates, whereas the constant-dollar change in business inventories component of GNP 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 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	2.3	12.7	14.7	16.6	
Other.....	17.6	20.7	20.8	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	16.3	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 ^P
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 ^P
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	110.3	110.8
Nondurable 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	107.9	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	108.5	104.5	105.6	106.4	107.3	108.5
Imports.....	92.6	99.5	98.5	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 ^P
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	98.5	96.3	98.9	100.7	101.8	102.0
Equals: Gross domestic purchases ¹	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 ²	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					1988
			1987					
			IV	I	II	III	IV	
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
Nondurable 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	108.7	109.6
Producers' durable equipment	95.5	95.5	96.3	96.3	96.0	94.9	94.9	93.5
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	111.3	111.4	112.0	113.7
Nondefense	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	91.1	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	123.3	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					1988
			1987					
			IV	I	II	III	IV	
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	
Equals: National income	115.6	119.4	116.7	118.1	118.9	119.5	120.9	

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

[Index numbers, 1982=100]

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								
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
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								
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	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	110.3	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	109.9	111.2	112.4	114.0	115.4
Nondurable goods	107.7	112.6	108.2	110.4	112.4	113.2	114.3	114.6
Food	112.2	117.2	114.5	115.3	116.9	117.8	118.8	119.1
Clothing and shoes	106.0	111.1	107.1	108.6	111.8	110.6	113.3	113.1
Gasoline and oil	75.3	79.4	66.7	75.9	79.0	82.0	80.9	79.3
Other nondurable goods	115.7	120.6	116.3	118.8	120.0	121.5	122.5	124.1
Fuel oil and coal	75.0	75.6	67.8	75.9	76.0	76.1	75.5	76.4
Other	121.3	126.9	123.0	124.7	126.2	127.7	129.1	130.7
Services	123.1	128.3	124.9	126.2	127.6	129.0	130.5	131.8
Housing	124.5	130.3	126.8	128.0	129.3	130.9	133.1	134.6
Household operation	118.2	118.4	117.9	117.6	118.3	118.9	118.6	118.7
Electricity and gas	113.9	111.9	111.8	111.5	112.2	112.3	111.7	111.6
Other	122.7	125.0	124.1	124.0	124.7	125.6	125.7	126.0
Transportation	113.5	121.0	115.2	119.2	120.1	121.7	123.2	124.9
Medical care	128.1	135.0	130.4	132.2	134.1	135.6	137.9	139.8
Other	122.6	127.7	124.3	125.8	127.1	128.4	129.5	130.6

Table 7.14.—Fixed-Weighted Price Indexes for Exports and Imports of Goods and Services, 1982 Weights

[Index numbers, 1982=100]

Exports of goods and services	103.6	106.0	103.5	104.5	105.6	106.4	107.3	108.5
Merchandise	96.3	97.8	95.2	96.2	97.3	98.2	99.3	100.6
Durable goods	99.3	101.5	99.4	100.3	101.3	101.8	102.6	103.4
Nondurable goods	92.4	92.8	89.6	90.6	92.0	93.4	94.9	96.9
Services	114.2	117.9	115.5	116.6	117.7	118.3	118.9	119.9
Factor income	115.9	119.7	116.9	118.1	119.3	120.1	121.0	121.8
Other	111.3	114.8	113.0	113.8	114.9	115.3	115.3	116.5
Imports of goods and services	92.6	99.5	93.5	96.3	98.9	100.7	101.8	102.0
Merchandise	86.2	93.3	86.8	89.8	92.7	94.8	95.6	95.4
Durable goods	100.3	107.3	103.2	104.5	106.7	108.1	109.8	111.5
Nondurable goods	71.9	79.2	70.2	74.9	78.5	81.4	81.3	79.2
Services	111.4	117.4	113.0	115.2	117.0	117.8	119.6	120.8
Factor income	115.5	119.3	116.5	117.7	118.9	119.7	120.6	121.4
Other	108.2	115.9	110.4	113.2	115.5	116.3	118.9	120.4

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^{p}
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	89.8	92.7	94.8	95.6	95.4
Foods, feeds, and beverages.....	104.9	103.6	106.2	102.9	101.0	104.3	106.2	110.1
Industrial supplies and materials, excluding petroleum.....	84.4	90.2	84.9	85.3	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	111.2	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^{p}
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	113.0	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
Electronic 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	123.3	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	121.3
Contractual research and development.....	113.4	115.6	114.0	114.2	114.7	116.0	117.3	117.3
Installation support ¹	120.0	123.8	121.0	121.9	122.9	124.3	126.0	126.6
Weapons support ²	113.8	114.6	113.7	113.6	113.8	114.4	116.4	116.7
Personnel support ³	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	93.0	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.....	.....	.....	.....	.....	.....	.....	.....	.....
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	113.3	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^{p}
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
Durable goods.....	112.4	112.9	112.7	113.9	113.8	111.7	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	123.3	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	121.3
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.....	.....	.....	.....	.....	.....	.....	.....	.....
Commodity Credit Corporation inventory change.....	.....	.....	.....	.....	.....	.....	.....	.....
Other nondurables.....	94.7	96.9	94.0	96.6	96.9	97.5	96.4	96.7
Services.....	115.6	120.1	116.2	118.9	119.9	120.5	121.2	123.5
Compensation of employees.....	117.3	123.1	117.7	121.9	123.1	123.3	124.0	127.5
Other services.....	113.1	115.6	114.0	114.3	115.0	116.2	116.9	117.4
Structures.....	109.4	111.0	109.8	110.2	110.6	111.4	111.9	113.2
State and local	120.3	126.2	122.4	123.8	125.2	127.1	128.6	130.3
Durable goods.....	108.6	110.6	109.7	109.9	110.3	111.0	111.3	111.9
Nondurable goods.....	90.5	94.9	89.4	92.7	94.4	96.1	96.5	95.5
Services.....	126.5	132.7	128.6	129.9	131.6	133.6	135.5	137.7
Compensation of employees.....	127.3	134.2	129.8	131.3	133.1	135.2	137.3	139.7
Other services.....	122.8	125.6	122.9	123.9	124.7	126.5	127.3	128.7
Structures.....	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				1988	
			1986	1987				
			IV	I	II	III	IV	I
Current-dollar cost and profit per unit of constant-dollar gross domestic product ¹	1.089	1.114	1.093	1.103	1.111	1.118	1.123	.....
Capital consumption allowances with capital consumption adjustment.....	.121	.123	.123	.123	.124	.123	.123	.....
Net domestic product.....	.968	.991	.971	.980	.987	.995	1.000	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies.....	.104	.106	.104	.105	.107	.107	.107	.....
Domestic income.....	.864	.884	.867	.875	.880	.888	.893	.....
Compensation of employees.....	.715	.728	.720	.724	.728	.727	.735	.....
Corporate profits with inventory valuation and capital consumption adjustments.....	.103	.109	.102	.106	.106	.114	.110	.....
Profits tax liability.....	.036	.048	.040	.045	.047	.051	.049	.....
Profits after tax with inventory valuation and capital consumption adjustments.....	.068	.061	.062	.061	.059	.063	.060	.....
Net interest.....	.045	.047	.045	.045	.046	.048	.049	.....

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

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^{P}
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	436.9	443.4	422.8	434.6	456.6	459.6	477.2
Structures	152.5	137.4	134.2	123.7	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
Other¹	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
Other²	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	113.7	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	8.4	-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^{P}
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	483.3
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
Other¹	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
Other²	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

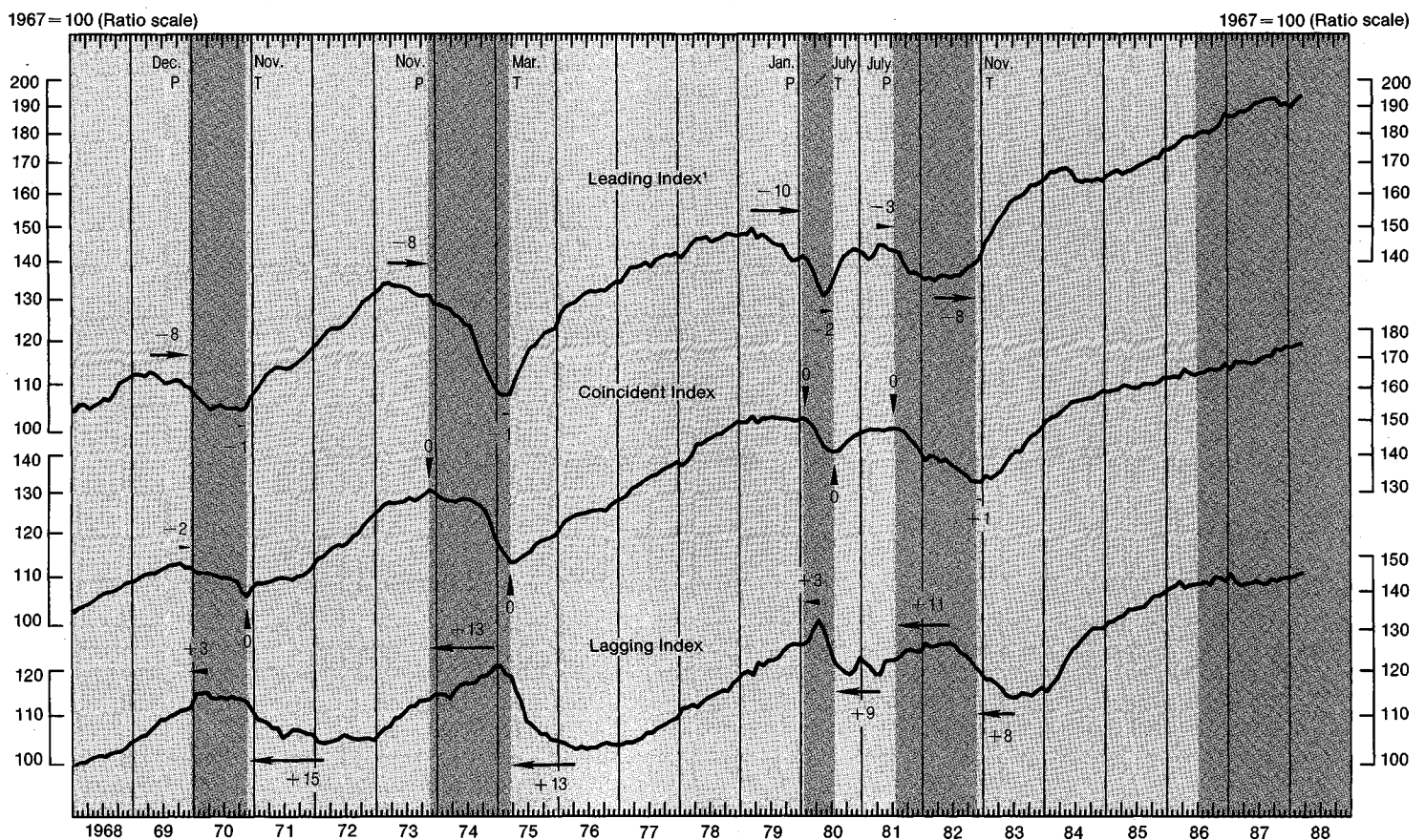
Recent Data and Percent Changes

Index	1987										1988			1987			1988
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	II	III	IV	I ^P	
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	

^r Revised.
^P 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.

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	328.3	333.0	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

BUSINESS 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).¹ 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 1987.² 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

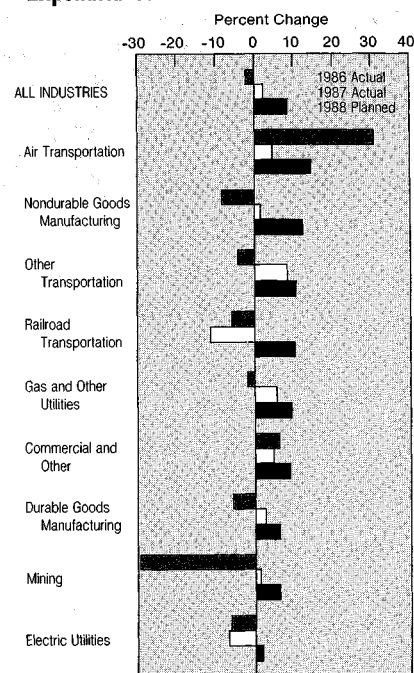
[Percent change from preceding year]

	1986		1987		1988	
	Actual	Planned Jan.-Mar. 1987 survey	Actual	Planned Oct.-Nov. 1987 survey	Planned Jan.-Mar. 1988 survey	
All industries ¹	-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 ²	-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	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 ²	-3.0	-9.5	-11.3	-2.9	-2.4	
Motor vehicles.....	-4.6	-10.2	-13.8	-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	6.3	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 ¹	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 ¹	1986		1987				1988		
				III	IV	I	II	III	IV	I ¹	II ¹	2d half ¹
All industries²	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 ³	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.....	1.98	2.14	2.50	1.79	2.03	1.73	2.10	2.56	2.56	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.....	18.61	19.77	21.49	18.37	18.44	18.07	18.98	19.04	19.99	20.44	19.55	19.49
Transportation equipment ⁴	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	13.58	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 ⁴	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	72.08	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	2.16	1.97
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	18.51	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	3.48	3.66	3.76	3.64
Other nondurables ⁵	13.90	15.81	18.17	14.05	14.60	15.47	15.54	15.92	16.28	17.57	19.05	18.02
Nonmanufacturing²	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	45.31	46.12	43.60	43.48	44.90	47.07	46.15	46.83	46.60
Electric.....	33.91	31.58	32.13	33.31	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	65.33	58.09	58.09	56.13	57.13	57.33	61.77	61.77	61.77	61.77
Finance and insurance.....	43.79	47.98	45.49	45.49	46.63	45.12	46.16	43.93	51.70	51.70	51.70	51.70
Personal and business services ⁶	28.20	30.02	28.25	28.25	28.74	28.79	30.02	30.77	30.50	30.50	30.50	30.50
Communication.....	32.93	32.10	31.24	31.24	32.61	30.66	31.38	32.83	33.52	33.52	33.52	33.52
Addenda:⁷												
Total nonfarm business ⁸	427.23	431.95	451.24	427.50	431.09	423.81	427.56	437.16	453.06	459.77	464.09	458.93
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	286.49	291.56	288.07	287.02	283.16	286.77	289.60	298.22	298.64	298.64	298.87
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 ⁹	47.75	43.35	28.28	52.00	45.00	49.98	49.70	43.92	41.99	40.02	39.00	39.94

	Billions of 1982 dollars; quarters seasonally adjusted at annual rates ¹⁰											
	1986	1987	1988 ¹	1986		1987				1988		
				III	IV	I	II	III	IV	I ¹	II ¹	2d half ¹
All industries²	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	73.75	81.20	78.08	73.88
Primary metals ³	7.02	8.37	9.92	6.57	6.96	7.58	7.93	8.37	9.10	10.47	10.38	9.41
Blast furnaces, steel works.....	3.21	4.40	5.45	3.07	3.14	3.94	4.11	4.63	4.94	5.90	5.90	4.92
Nonferrous metals.....	1.97	2.17	2.50	1.83	2.06	1.76	2.13	2.40	2.39	2.52	2.62	2.43
Fabricated metals.....	3.93	3.90	4.41	3.81	3.89	3.91	3.78	3.81	4.09	4.45	4.53	4.33
Electrical machinery.....	14.65	15.71	17.06	14.53	15.33	15.42	14.98	16.53	15.92	17.27	17.34	16.81
Machinery, except electrical.....	14.79	15.05	16.75	14.50	14.55	14.21	14.12	15.47	16.42	17.04	16.97	16.81
Transportation equipment ⁴	18.99	16.76	16.33	20.21	18.13	18.61	17.39	15.54	15.52	18.60	16.02	15.35
Motor vehicles.....	13.74	11.75	11.45	15.28	12.70	13.83	12.22	10.54	10.60	13.58	11.14	10.54
Aircraft.....	4.08	3.82	3.60	3.83	4.19	3.82	3.96	3.82	3.67	3.86	3.56	3.49
Stone, clay, and glass.....	3.05	3.22	3.45	2.96	3.43	3.09	3.08	3.50	3.20	3.66	3.51	3.31
Other durables ⁴	8.18	9.05	10.09	8.08	8.66	8.68	8.41	9.59	9.50	10.13	9.65	10.28
Nondurable goods.....	76.38	76.50	85.10	71.77	76.23	72.10	73.66	78.12	82.12	82.23	85.57	86.29
Food including beverage.....	10.01	10.21	11.20	10.10	10.51	10.48	9.98	9.98	10.38	11.34	11.26	10.99
Textiles.....	1.59	1.82	2.04	1.44	1.78	1.74	1.96	1.71	1.85	2.05	2.16	1.97
Paper.....	8.76	8.80	11.29	8.67	8.50	7.97	8.65	8.75	9.82	10.26	11.57	11.66
Chemicals.....	17.00	16.39	17.75	16.77	17.94	15.31	16.00	17.34	16.90	17.50	18.00	17.76
Petroleum.....	20.86	19.75	21.49	16.65	19.38	17.65	17.61	20.35	23.37	17.49	17.61	20.07
Rubber.....	3.73	3.32	3.67	3.61	3.14	3.06	3.49	3.51	3.21	3.66	3.76	3.64
Other nondurables ⁵	14.43	16.22	18.17	14.53	15.03	15.88	15.97	16.45	16.59	17.57	19.05	18.02
Nonmanufacturing²	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	14.63	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	40.03	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	183.33
Wholesale and retail trade.....	54.60	56.52	65.33	55.18	56.81	54.84	55.45	55.93	59.88	59.88	59.88	59.88
Finance and insurance.....	50.60	56.00	45.49	45.49	46.63	45.12	46.16	43.93	51.70	51.70	51.70	51.70
Personal and business services ⁶	27.06	28.24	28.25	27.03	27.34	27.23	28.25	28.93	28.54	28.54	28.54	28.54
Communication.....	29.13	27.65	31.24	27.48	28.57	26.64	27.08	28.20	28.68	28.68	28.68	28.68
Addenda:⁷												
Total nonfarm business ⁸	431.95	431.95	451.24	427.50	431.09	423.81	427.56	437.16	453.06	459.77	464.09	458.93
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	283.38	289.40	28								

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 ¹	-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	3.4	6.5
Nondurable goods.....	-9.8	-.9	.2	13.4	11.2
Nonmanufacturing ¹	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.³ 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

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.

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.

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.

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 for 1987, 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 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 industries¹	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	78.56	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	51.08	52.45	-4.5	2.8	52.55	53.51	-4.7	1.8
Nonmanufacturing¹	236.78	243.14	1.3	2.7	235.41	240.15	1.0	2.0
Plant	85.00	83.83	-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	18.54	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	6.13	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	43.34	41.13	-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:²								
Total nonfarm business ³	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	83.83	-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 ⁴	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.

Table 6.—Business Sales

[Percent change from preceding year]

	1986		1987		1988	
	Actual ¹	Expected ²	Actual ¹	Expected ²	Actual ¹	Expected ²
Manufacturing	-0.3	7.0	6.0	6.8		
Durable goods ⁴	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 ⁴	-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.

• 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	
	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 ¹		
Total	17.92	16.94	18.81	-5.5	11.1
Production	9.03	7.94	8.49	-12.0	6.9
Transportation .....	.68	.42	.54	-37.8	26.9
Refining and petrochemicals	2.35	2.29	2.61	-2.6	14.0
Marketing	1.76	2.32	2.86	32.1	23.4
Other	4.10	3.96	4.31	-3.4	8.8

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:

<i>Year</i>	<i>Magnetic tape</i>	<i>Diskette</i>	<i>Printout</i>
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

Magnetic tape requests must specify density (1,600 BPI or 6,250 BPI) and whether or not internal labels are needed. To order tapes, diskettes, or printouts, write to Economic and Statistical Analysis/BEA, U.S. Department of Commerce, Citizens and Southern National Bank, 222 Mitchell Street, P.O. Box 100606, Atlanta, GA 30384. A check or money order, payable to "Economic and Statistical Analysis/BEA," must accompany all orders.

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

THIS 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 1985.¹ 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.² 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 ¹	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	-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.³ For net exports of goods and services, the difference reflects the incorporation of recent revisions to BEA's international transactions accounts.⁴

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.⁵ 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	Agri-cultural, 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 mineral mining
		1	2	3	4	5	6	7	8	9	10
1	Livestock and livestock products.....	13,416	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	(*)	(*)	2
5	Iron and ferroalloy ores mining.....					158					
6	Nonferrous metal ores mining.....					15	491				
7	Coal mining.....	18	4			10	16	4,780			
8	Crude petroleum and natural gas.....								6,468		
9	Stone and clay mining and quarrying.....									11	
10	Chemical and fertilizer mineral mining.....	1	296		2	13	4			234	37
11	New construction.....										151
12	Repair and maintenance construction.....										
13	Ordinance and accessories.....	581	737	234	90	8	6	84	7,068	15	18
14	Food and kindred products.....	12,162		102	73						
15	Tobacco manufactures.....						1	(*)	6	1	1
16	Broad and narrow fabrics, yarn and thread mills.....		21								
17	Miscellaneous textile goods and floor coverings.....	22	58	52	41						
18	Apparel.....						1	11	12	3	1
19	Miscellaneous fabricated textile products.....		53	12	56						
20	Lumber and wood products, except containers.....	14	17								
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	313	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.....								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.....	293	398	3	36	25	55	190	26	54	11
33	Leather tanning and finishing.....										
34	Footwear and other leather products.....	23			3				2		
35	Glass and glass products.....	7		1	3	(*)	1	(*)	10	1	1
36	Stone and clay products.....				13	2	28	139	19	4	
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.....			18	12						
45	Construction and mining machinery.....	612	757			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	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	63	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	1,435	43	276	365	399	822	1,994	518	589
69	Wholesale and retail trade.....	3,753	2,313	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	6,751	2	535	30	81	695	8,936	172	53
72	Hotels, personal and repair services (except auto).....	114	131	16	30	3	8	37	83	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	3
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	2,353	1,741
VA	Value added.....	11,828	54,607	3,026	6,151	1,056	1,602	15,056	124,531	3,345	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		80	65											1
			22,009	3,911	907	14	11										2
			1,908				178		4,383				26				3
240	462	(*)	3		1	(*)	(*)		78	(*)	(*)		1	(*)	(*)		4
													8				5
			7	128	10	43	4	7	2	8	1	5	343	5	5		6
																	7
1,517	1,367		48										218				8
			22										44				9
																	10
244	87	68	1,129	21	166	38	149	27	204	5	67	57	488	118	293		11
18	1	1,026			(*)		(*)		(*)								12
10	3	(*)	49,392	7	2	7	10	5	3	(*)	27	3	318	3	22		13
				4,066													14
																	15
1,437	357	1	19		10,205	1,755	10,880	2,936			754	4	650		35		16
26	8	7	13		312	638	94	877	54		198	198	346		88		17
64	53		72	2	4	139	9,846	133	11	(*)	47	10	2	2	6		18
15,234	2,117	19	29	(*)	4	17	839	364			41	1			1		19
		18	75	6		1		18	12,518	188	1,376	617	3,373		2		20
									2	6	10	5	3				21
93	30										24	3					22
582	139											77	1				23
654	341	5	2,941	229	47	70	212	33	26	(*)	30	18	10,705	7,376	13,595		24
7	3	25	6,068	108	237	62	240	96	86	41	137	137	872	689	212		25
7	1	32	1,603	195	18	11	70	22	23	1	25	14	60	22	7,843		26
631	412	45	1,978	26	785	429	91	20	733	40	74	74	2,141	453	1,814		27
		21	61	5,321	2,454	1,583	101	24	4	55	5	5	1,306	164	13		28
51	25	2	1,425	16	83	23	173						115				29
2,315	1,844	3			3	4	(*)		209		133	96	14	32	26		30
7,044	3,613	99	1,803	87	388	124	382	38	897	11	117	79	2,503	323	620		31
2,590	2,077	98	3,043	367	363	375	255	290	283	(*)	684	434	1,403	39	558		32
							246	102			47	4			5		33
		(*)	2		8		5		12				1	(*)	2		34
199	147	2	4,445	1	107	24	44		44		63	15	2	(*)	1		35
15,752	4,340	18	97	2	8	3	8	2	207	2	54	34	114	10	24		36
7,622	1,800	381	9	2	1	1	1		36	4	267	987	1	84	24		37
3,371	934	330							15		91	152	71	50	34		38
			8,623	1													39
19,853	6,699								93								40
100	43	83	605						340		71	153			1		41
6,513	3,287	138	828	93	6	2	34	1	974	2	774	403	425	87	144		42
		24															43
																	44
827	96		2	1	30		3		20				(*)				45
1,292	502		47	4	15	6	13	5	86	1	11	43	27	70	16		46
33	11	91	168		205	128	97	10	42	2	10		231	82	391		47
1,547	250	115	71	5			3		38		2	24	40		2		48
182	68	96	143	4	50	20	43	9	126	3	23	40	79	34	40		49
																	50
2,312	1,287		57						18								51
1,625	598	88							33			31					52
869	450		(*)		(*)		57							(*)	1		53
4,569	1,605	1	19	(*)	4	1	5	1	19	(*)	2	4	5	2	7		54
1,245	400	1,135	3	(*)	(*)	(*)	1	(*)	1	(*)	1	1	(*)	(*)	4		55
		278			11												56
96	30	2	3	(*)			3		8		(*)		3	1	7		57
59	26	29	13	1	2	(*)	4		72	(*)	2	1	7	2	15		58
		960															59
																	60
4		5	65	2	13	1	8	2	3		6	2	40	4	7		61
1,369	598	41	17	1	3	4	7	1	6	(*)	2	1	13	4	758		62
15	6	8	29	2	7	2	621	20	11	(*)	16	2	7	5	208		63
412	137	233	7,145	139	322	263	476	113	972	15	275	208	2,176	775	2,029		64
5,305	1,325	92	695	14	188	25	608	41	75	3	86	60	164	54	1,104		65
2,976	1,472																66
																	67
1,854	707	308	5,320	96	1,231	321	713	133	1,015	14	202	216	3,303	334	1,057		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		69
3,591	909	58	1,450	125	185	51	460	96	292	(*)	186	179	262	54	791		70
795	311	85	957	51	101	43	482	117	155	6	125	114	279	98	1,492		71
422	109	35	687	13	52	21	219	66	77	3	56	40	194	25	672		72
37,753	2,755	599	9,216	1,070	1,180	262	1,491	246	735	25	598	566	1,553	291	5,243		73
236	76	150	780	31	165	38	293	54	149	7	89	70	175	78	2,191		74
1,033	194	15	497	32	51	17	112	17	179	2	67	55	148	52	316		75
			7		(*)		3				13	5	6	1	21		76
		7	104	10	44	3	40	40	76	3	34	19	42	4	189		77
189	58	11	377	48	53	27	266	28	36	2	35	37	70	25	1,526		78
183	54	7	321	7	25	11	16		11	1	2	3	85	8	30		79
2	(*)		3,660	2	22	168	33	58	5		18	1	56	14	33		80
		4			31	73							741				81
																	82
																	83
																	84
																	85
175,325	51,223	7,149	209,368	10,988	24,290	8,138	33,284	6,553	27,234	335	7,612	5,709	33,731	11,799	46,279		I
99,956	37,867	10,642	64,226	9,224	3,735	2,388	20,021	3,491	11,932	212	5,046	5,294	20,557	6,994	39,373		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					

Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Industry number	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
			28	29	30	31	32	33	34	35	36
1	Livestock and livestock products.....			32							
2	Other agricultural products.....			99							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		138	138,515	199				
9	Stone and clay mining and quarrying.....			28	52	349	27			271	1,908
10	Chemical and fertilizer mineral mining.....				4	13	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		225	259	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	103	160
21	Wood containers.....						6		1	63	(*)
22	Household furniture.....										
23	Other furniture and fixtures.....										
24	Paper and allied products, except containers.....		363	378	15	194	631	(*)	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.....		10,573	4,306	2,222	4,080	2,797	131	61	608	766
28	Plastics and synthetic materials.....		987	130	536	32	10,876		96		235
29	Drugs, cleaning and toilet preparations.....		138	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	238	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	638	7	35	344			849	27
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	21	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.....										
45	Construction and mining machinery.....						4		1		129
46	Materials handling machinery and equipment.....						9		3	56	27
47	Metalworking machinery and equipment.....		9	14	1	9	154	1	5	81	4
48	Special industry machinery and equipment.....		12				141		(*)	5	22
49	General industrial machinery, except electrical.....		61	99	1	217	16		(*)	17	69
50	Miscellaneous machinery, except electrical.....		25	24	8	27	212	2	17	57	
51	Office, computing, and accounting machines.....										
52	Service industry machines.....						5			19	8
53	Electric industrial equipment and apparatus.....						(*)			7	
54	Household appliances.....			(*)	(*)		59	(*)	1	10	31
55	Electric lighting and wiring equipment.....		1	3	1	10	1		(*)	1	(*)
56	Radio, TV, and communication equipment.....		(*)	1	(*)	(*)	24				
57	Electronic components and accessories.....						6			1	1
58	Miscellaneous electrical machinery and supplies.....		1	5	4	153	35	(*)		1	76
59	Motor vehicles and equipment.....										
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	396	8,165	1,579	33	109	435	2,643
66	Communications, except radio and TV.....		49	213	26	277	188	3	44	43	128
67	Radio and television broadcasting.....										
68	Private electric, gas, water, and sanitary services.....		1,342	650	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	333	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	123	36	66	112	18	42	31	71
73	Business services.....		902	7,573	321	2,531	1,506	28	313	325	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			(*)	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	13
80	Noncomparable imports.....		43	308	39	374	780	(*)		68	57
81	Scrap, used and secondhand goods.....						4			53	
82	Government industry.....										
83	Rest of the world industry.....										
84	Household industry.....										
85	Inventory valuation adjustment.....										
VA	Total intermediate inputs.....		20,323	29,338	5,941	184,902	32,948	1,019	4,495	6,321	18,874
	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 and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Commodity number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
1	(*)	(*)	(*)	(*)	1	(*)	(*)	(*)		(*)	(*)	(*)	(*)	1	(*)	1
2,530	2,931		48													2
98	27	(*)	2	6	7	1	4	6	1	3	(*)	2	2	(*)	4	3
3,065																4
40	16		4		10											5
246	1															6
60																7
974	236	70	403	181	209	70	38	100	30	50	45	87	41	127	49	8
11																9
6	4	1	5	2	4	1	1	2	2	3	2	3	2	10	2	10
																11
	28															12
	2				2							112	23			13
9	3	1	3	2	11	3	1	1	1	2	1	5	2	3	1	14
1	1			22								1	1			15
86	108	15	62	60	149		27	14	7	9	25	39	4		41	16
9	18		29	19	3		1	3	4	8	2	9	1		24	17
																18
2									3							19
10	30	10	36	76	8	20	3	3	2	4	3	62	5	162	17	20
51	71	40	142	142	380	36	33	4	3	62	11	78	85	137	117	21
29	30	183	41	26	46	10	11	18	11	24	20	28	23	89	19	22
1,813	1,066	9	57	120	707	1	3	28	3	88	167	16	5	6	79	23
	655	26	52	95								14		78		24
2	1	9	20	12	17								2			25
20	37	255	135	87	248	5	34	24	7	23		8	5	64	47	26
1,113	729	52	280	84	272	100	37	69	74	150	97	269	81	273	132	27
73	305	21	271	141	980	44	280	253	98	81	179	247	20	1,333	327	28
																29
4	1	(*)	285	20	39	(*)		(*)		(*)		17	(*)	2	(*)	30
2	16		67	27	135	80	24	109	20	163	51	139	186	58	87	31
458	142	7	6,935	4,632	4,202	1,400	1,239	2,853	759	1,236	847	2,285	854	236	1,062	32
10,655	316	2,763	2,817	891	2,074	453	106	97	112	285	268	672	392	535	902	33
1,082	17,480	1,433		13	10											34
3	2	452	770	530	8	186		314	101	110	152	200		359	140	35
196	97	7	1,022	648	590	264	214	100	71	91	76	283	73	592	378	36
518	359	125	1,220	382	1,502	178	130	275	115	144	213	289	195	464	366	37
17			1	46	1,169	1,169	899	464	82		104	120	43		45	38
																39
								1,294	7							40
13	12							287	63			6				41
391	458	52	221	309	281	191	85	181		924	161	319	267	146	150	42
59	18			2	13						391					43
662	343	2	242	18	48	303	611	1,286	469	369	474	1,561	159	52	402	44
376	211	37	225	791	279	460	296	141	189	446	392	479	1,300	148	260	45
5														8,089		51
2			90								7					52
514	199	1	309	43	136	150	78	299	269	484	528	924	82	1,272	1,168	53
				2												54
10	11	1	9	20	4	1	20	1	1	22	2	2	2	126	95	55
(*)	(*)	(*)	1	(*)	1	1	(*)	(*)	(*)	(*)	(*)	1	(*)	4	(*)	56
														4,515		57
2	1	(*)	1			145	85	2	7	1	26	51	(*)	51	(*)	58
3	4	1	24	48	3	71	252	224	1	3	8	1		27	5	59
														45		60
4																61
133	47	2	70	6	17	2	2	3	2	49	4	69	5	23	234	62
11	4	3	8	6	13	6	3	6	4	7	7	9	8	26	7	63
12	6	1	23	4	15	2	2	10	5	6	3	4	4	40	34	64
2,501	1,536	298	715	394	633	149	197	268	76	202	168	324	236	678	283	65
83	100	15	194	167	194	36	28	170	31	66	89	182	81	263	78	66
																67
4,571	3,233	248	594	459	951	164	178	321	92	308	185	401	296	433	247	68
2,553	2,084	401	1,527	710	1,289	436	784	1,107	341	492	559	925	285	2,192	832	69
308	345	59	242	168	324	60	43	97	31	102	109	132	213	488	57	70
228	197	77	275	129	239	40	62	76	51	114	80	166	165	417	79	71
121	91	38	231	111	19	15	32	14	37	33	60	53	548	54	72	
1,108	831	185	1,008	644	1,123	240	191	537	186	422	329	636	903	1,619	447	73
149	162	69	246	86	218	40	40	104	42	124	80	256	126	444	91	74
39	86	19	90	62	89	28	8	17	22	46	16	53	55	69	13	75
1	2	1	11	1	2	1		2	2			6	2	1	(*)	76
11	28	10	33	43	33	5	4	4	3	19	6	29	30	26	14	77
67	42	5	59	24	57	12	21	21	15	21	32	50	23	63	10	78
23	16	5	12	8	24	4	3	5	2	7	3	8	4	21	6	79
51	116	3	14	8	25	12	26	42	7	75	20	22	1	187	2	80
1,508	2,013		59	40	40	28	12	6		21	27	9	10			81
																82
																83
																84
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	I
20,164	10,312	4,963	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	VA
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	T

Table 1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity	For the composition of inputs to an industry, read the column for that industry	Electric industrial	Household	Electric lighting	Radio, TV, and	Electronic	Miscellaneous	Motor	Aircraft	Other trans-
			equipment and apparatus	appliances	and wiring equipment	and communication equipment	components and accessories	electrical machinery and supplies	vehicles and equipment	and parts	portation equipment
	Industry number		53	54	55	56	57	58	59	60	61
1	Livestock and livestock products.....										
2	Other agricultural products.....										
3	Forestry and fishery products.....										
4	Agricultural, forestry, and fishery services.....	1			(*)	1	1	(*)	1	1	1
5	Iron and ferroalloy ores mining.....							5			
6	Nonferrous metal ores mining.....							50			
7	Coal mining.....	4	6	4	6	1	4	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.....										
12	Repair and maintenance construction.....	127	61	48	144	186	36	188	217	62	62
13	Ordinance and accessories.....				(*)			(*)	2	2	(*)
14	Food and kindred products.....	3	2	1	5	6	1	2	5	3	3
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills.....		37	16				2	16	85	8
17	Miscellaneous textile goods and floor coverings.....	3						2	194		192
18	Apparel.....	2	1	1	20	22	1	9	8	15	15
19	Miscellaneous fabricated textile products.....							2,059	96	81	81
20	Lumber and wood products, except containers.....	27	69	25	27		2	104	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	103	4	98	13	17	
25	Paperboard containers and boxes.....	110	221	198	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	2,037	1,483	302	3,346	278	283	
33	Leather tanning and finishing.....										
34	Footwear and other leather products.....				2	1		4	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	334	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	Metaworking 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	11,358	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	43	
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	13	
64	Miscellaneous manufacturing.....	18	69	3	27	16	2	29	17	28	
65	Transportation and warehousing.....	418	187	220	673	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	585	2,261	1,888	477	3,643	993	1,151	
70	Finance and insurance.....	297	97	150	308	419	165	365	841	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.....										
85	Inventory valuation adjustment.....										
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	5,931	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.

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-mobile 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	1							3	12	503		34	101	1
		27	4				25		30	31	19	1,123		1,035	155	2
		7	(*)									1,152			21	3
(*)	(*)	(*)	5	1	(*)	12	920	4	2,244	54	9	2	(*)	131	122	4
9																5
2	10	3	9			11,221			10							6
(*)		39	250			33,555										7
																8
																9
																10
69	65	112	4,410	3,737	23	7,090	3,160	504	20,641	660	670	751	379	529	1,399	11
73	2	31	97	(*)	5	(*)	5	2	1	(*)	110	(*)	2	479	3	12
						8	427	10	1	124	105	40,477			3,625	13
																14
270		388	2				1			178				49	49	15
213	10	63	66				63			22	3	28	14	17	22	16
34	1	16	109	51	(*)	5	79		2	337	35		37	77	384	17
	1	99	118				48	134	1	532	12	85	(*)	48	542	18
34		550	28			69	742		5	105		27		87	62	19
		9	(*)				25									20
4										2				2		21
														1		22
267	506	483	108	75	7	101	3,193	718	87	216	742	590	29	23	1,507	23
195	133	507	54	18	(*)	7	988	2		62	50	861	1	(*)	105	24
85	27	71	424	312	26	125	2,433	3,233	540	337	3,140	174	19	103	6,343	25
148	1,462	482	150	19	11	548	36	10	213	172	445	96	5	46	4,061	26
189	145	694														27
3		(*)	4	78		3	189	10	6	784	304	194		5	5,875	28
23	1	152	42	60		1				1	73		438	1	17	29
222	168	311	20,487	371	16	20,709	11,506	1,087	828	981	2,432	581	1,599	401	4,220	30
862	880	828	895	137	1	85	1,350	70	283	478	502	1,144	110	92	2,605	31
		56														32
6	(*)	52	7	1	1	1	118	14	4	58	8	2	(*)	29	32	33
109	187	16	21	4	(*)	1	42	13	2	139	42	222	240	1	286	34
66	62	36	75	24		13	97	4	22	197	28	184	521	4	59	35
355	64	540	180				12	2		3	5				11	36
708	464	1,229	70	118		30				7		17		4		37
11						7	151									38
50	16	4				28			161		43				7	39
466	174	139	70	132		68			25	79	413	1,928	10	160	40	
389	192	342	642	51	(*)	217	396	13	7	27	91	1,856	17	186	42	
		7	291	202		1,465					109	51				43
											301					44
			6				109				258				1	45
115	25	40	86	2	(*)	20	59				125		11	1		46
		15					21				116	110				47
34	51	13	424	60		80	4	13	6		431		6			48
152	49	79	272	27	1	44	341		5	33	126	304	599	4	17	49
29		6	6			3	23	55	4	472	575				13	50
		27	17			1	453			45	36	294	540	15	20	51
405	65	112	221			191	3			19	223		157		52	
			28	(*)		(*)	36	57	37	341	86	1		(*)	28	53
54	27	32	60	19	1	141	62	27	49	24	133	73	179	23	206	54
1	(*)	8	54	2,136	44	5	81	26	(*)	33	56	2	62	5	100	55
787	1,346	132	44	688	316	5	15	93		782	1,121				187	56
21	16	6	60	16	(*)	7	114	17	56	8	98	11	318	2	584	57
3	2	3	423	316	1	46	502	36	22	15	157	21	7,257	30	78	58
			1,046													59
		16	1,318	11	1	12		44		5	290		8	143	11	60
605	31	7	74	9		226	90	8	2	29	55	(*)	11	(*)	2,601	61
16	804	17	42	24	192	55	256	177	66	393	1,578	6	2	194	957	62
36	6	1,198	181	99	6	43	789	425	77	882	426	241	16	104	738	63
286	472	657	38,388	529	154	3,764	11,017	2,067	499	402	4,076	2,294	1,789	658	3,863	64
172	164	249	1,897	2,379	124	643	9,773	5,355	1,016	1,132	5,740	934	778	491	3,911	65
						95					213					66
357	264	405	2,498	1,170	181	63,708	17,867	2,974	4,829	3,866	2,432	4,580	970	1,198	7,190	67
893	658	1,398	4,960	458	70	2,193	7,405	811	1,228	1,126	2,232	7,341	6,891	359	4,330	68
138	268	243	3,264	1,154	145	1,731	8,146	48,872	12,002	1,374	2,387	3,148	346	519	2,381	69
228	172	460	2,490	2,030	745	1,041	25,235	5,881	36,729	2,876	8,096	5,068	1,196	2,072	25,763	70
70	86	98	445	266	112	399	2,780	1,300	137	1,027	2,756	985	162	310	2,106	71
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	72
248	307	212	1,756	478	248	256	11,388	2,602	1,396	574	4,179	325	171	591	3,618	73
189	59	67	3,300	212	9	234	7,648	637	255	459	2,115	232	238	462	1,607	74
24	16	11	47	5	3,254	12	1,202	5	(*)	21	220	1,279	(*)	5,749	592	75
62	102	84	332	137	38	200	693	878	171	543	1,250	336	44	219	5,847	76
63	38	108	250	390	15	621	2,797	4,277	893	220	1,908	224	35	86	1,805	77
11	8	12	222	123	28	52	484	75	100	113	88	169	70	25	258	78
59	39	751	5,879	1,848	19	7	746	720	6	21	621	73		89	51	79
			54										205			80
																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	30,864	20,239	116,571	I
12,097	10,184	12,322	107,669	71,588	8,312	86,983	365,859	124,021	389,312	47,801	196,517	64,739	32,628	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	Federal Government enterprises	State and local government enterprises	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total intermediate use
		78	79	82	83	84	85	
1	Livestock and livestock products.....	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.....							4,287
7	Coal mining.....	1,259	992					25,060
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	Ordinance 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.....	2	1					873
35	Glass and glass products.....	15	1					10,588
36	Stone and clay products.....	1	110					80,748
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					7,136
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					2,867
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	150					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.....	2,537	739					133,461
66	Communications, except radio and TV.....	141	157					47,318
67	Radio and television broadcasting.....							316
68	Private electric, gas, water, and sanitary services.....	342	9,638					187,254
69	Wholesale and retail trade.....	288	823					145,568
70	Finance and insurance.....	67	238					107,268
71	Real estate and rental.....	588	396					155,487
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					42,323
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					13,059
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					5,232
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]

Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports	Imports	Federal Government purchases			State and local government purchases			Total final demand	Total commodity output	Commodity number	
					Total	National defense	Nondefense	Total	Education	Other				
91	92	93	94	95	96	97	98	99						
2,689		-1,009	394	-620	7	1	6	88	40	48	1,549	74,051	1	
11,459		-846	19,803	-1,902	8,864	972	7,892	601	284	317	37,979	93,205	2	
1,922		12	287	-2,121	-309		-809	-145	7	-151	-354	7,609	3	
575			55	-3	97		9	88		394	14,196	14,196	4	
		-95	387	-652	4	4					-356	2,478	5	
	692	-108	285	-1,335	2	2					-463	3,804	6	
216		134	4,697	-30	66	55	11	179	80	99	5,261	28,321	7	
	328	297	2,025	-43,675	2,103	2	2,102				-38,921	144,971	8	
8		-252	314	-321				-69		-69	-319	6,795	9	
3		-34	324	-469	2	2		152		152	-22	2,232	10	
	220,774		27		10,845	3,759	7,086	43,633	5,892	37,741	275,279	275,280	11	
	11,110		65		6,876	5,240	1,636	19,837	6,883	12,955	37,888	109,095	12	
847	57	798	2,824	-193	11,849	10,982	867	80		80	16,262	17,484	13	
161,375		609	11,137	-12,456	1,497	174	1,323	5,088	3,229	1,859	167,249	277,948	14	
14,022		-66	2,691	-473				(*)	(*)		16,173	20,239	15	
1,159		-581	1,189	-1,739	111	105	7	95	39	56	284	29,850	16	
2,655	1,157		648	-490	22	3	19	36	6	31	3,977	10,970	17	
50,834		-113	1,060	-11,164	513	513		518	11	507	41,647	53,291	18	
5,638		-89	500	-454	122	98		312	42	270	6,029	11,611	19	
698	11	-622	2,590	-3,181	29	23		109	73	37	-365	39,396	20	
		-7	8	-12	6	4		3			-5	613	21	
11,494	984	-239	310	-843	68	10		92	64	29	11,866	12,469	22	
963	8,157	-28	329	-710	129	26		1,061	629	432	9,900	11,125	23	
9,457		51	3,676	-5,610	170	44		1,875	800	1,075	9,617	58,767	24	
265		-94	249	-57	57	36		164	63	101	585	18,728	25	
17,489		107	1,528	-638	749	246		5,647	3,277	2,371	24,882	54,397	26	
1,906	992	-939	12,346	-7,678	2,427	1,380		1,047	525	1,051	10,632	92,724	27	
		-487	4,058	-694	82	73		4	3	1	2,933	30,934	28	
29,985		473	2,846	-2,952	399	224		175	349	2,289	33,331	47,808	29	
323		90	266	-20	4	4		3	181	148	64	8,517	30	
73,191		-2,508	9,528	-19,285	4,870	6,162	-1,292	6,649	3,089	3,560	72,445	199,879	31	
10,415	66	-320	2,799	-4,213	513	410		1,003	205	798	10,261	55,496	32	
		-19	298	-336	1	1					-56	1,819	33	
10,575		163	227	-4,303	43	36		52		52	6,758	7,635	34	
1,406		-19	758	-821	27	16		513	134	379	1,865	12,452	35	
1,728		-155	1,066	-1,968	92	44		145	57	88	907	31,655	36	
7	18	-3,504	1,990	-10,984	181	145		37	7	29	-12,256	57,704	37	
46	115	-1,165	2,915	-5,647	417	265		32	2	30	-3,287	46,232	38	
	32	-28	127	-64	71	71		36	35	2	173	11,792	39	
996	4,170	-553	1,704	-836	914	796		119			6,395	37,645	40	
907		-336	1,526	-922	123	82		41	245	182	1,543	21,843	41	
2,786	2,567	-486	2,499	-3,420	617	457		160	266	134	4,890	37,942	42	
896	1,491	-410	3,414	-1,515	1,368	1,332		36	186		5,429	12,566	43	
148	9,471	-231	1,524	-1,232	25	20		5	194	36	9,839	12,587	44	
	10,454	115	8,013	-1,238	232	204		28	556		18,132	22,706	45	
	3,781	-118	606	-436	203	187		15	4	2	4,039	6,717	46	
379	11,327	-557	2,065	-2,514	175	143		32	99	60	10,974	18,216	47	
223	9,287	-140	2,400	-2,240	99	73		26	43	41	9,672	12,768	48	
	8,902	-582	3,895	-3,491	658	639		19	80		9,462	23,231	49	
74	53	-150	977	3	657	624		34	60	30	1,675	14,332	50	
1,235	21,490	423	9,328	-4,127	2,228	1,555		673	604	363	241	31,242	40,582	51
673	4,647	-217	1,440	-404	105	65		40	434	328	107	6,679	14,931	52
1,077	3,417	-345	3,676	-1,899	1,254	1,031		224	197	79	118	11,408	27,667	53
7,983	1,839	-333	1,037	-1,317	43	37		6	131	50	81	9,443	11,809	54
1,730	151	-59	962	-1,113	82	73		26	272	197	75	2,024	11,818	55
9,762	23,297	659	4,111	-9,319	12,785	11,738		1,047	443	298	145	41,797	52,971	56
1,254	105	244	5,805	-7,057	1,632	1,283		349	48	33	65	2,080	33,175	57
2,897	3,058	52	2,103	-1,386	328	206		123	258	30	228	7,310	11,907	58
50,669	35,589	-1,525	10,955	-32,018	2,503	2,136		368	3,064	796	2,268	69,238	110,674	59
108	6,739	3,465	13,758	-3,036	22,644	21,577		1,067	11		11	43,688	55,613	60
8,041	8,806	-456	2,055	-2,074	5,834	5,502		332	270	44	226	22,477	25,717	61
2,920	8,558	-15	3,656	-2,630	1,181	794		387	1,056	93	964	14,725	23,185	62
3,449	7,676	-53	2,384	-3,519	1,620	895		724	1,395	637	758	13,453	19,864	63
19,941	3,443	1	1,973	-7,581	113	74		39	1,318	787	530	19,207	26,596	64
53,933	2,695	-553	18,669	-1,850	6,288	5,368		920	6,159	3,636	2,522	85,341	218,802	65
37,484	3,476				2,503	1,259		1,244	2,520	1,240	47,495	95,313	66	
628											628	943	67	
80,285			271	-5,581	3,198	2,080		1,118	8,590	3,331	4,760	86,763	274,017	68
337,944	35,603	-345	21,539	8,543	4,107	3,271		836	4,791	1,884	2,907	412,133	557,751	69
109,947			4,602	-906	817	16		801	5,285	281	5,004	119,745	227,013	70
310,374	9,457		6,021		1,291	464		827	6,135	805	5,330	333,278	488,715	71
51,013			70		991	741		250	820	-776	1,596	52,894	73,545	72
26,838		(*)	4,574	-71	12,902	6,092		6,810	10,311	3,752	6,559	54,604	319,956	73
111,023			123		303	216		86	-4,027	-5,225	1,198	107,421	149,749	74
33,869			6		137	91		45	1,094	233	856	39,614	63,916	75
25,574		-90	1,373	-56	349	289		60	295	221	44	27,415	40,275	76
290,422			486		5,382	547		4,835	1,952	-1,095	3,047	295,242	311,302	77
4,767			109		639	203		436	751	73	678	6,266	25,359	78
6,882			1		87	72		14	128	66	62	7,097	10,265	79
17,426		438	(*)	-45,983	8,805	7,755		1,050	35	31	4	-19,278		80
9,589	-15,856	142	2,089	-423	-75	-52		-23	1,301	258	1,043	-3,235	1,997	81
					115,017	82,309		32,208	218,798	120,910	97,888	333,815	333,815	82
-14,410			107,223	-40,937	-468	-36		-433				51,412	51,412	83
7,660												7,660	7,660	84
		-11,229										-11,229	-11,229	85
														I
														VA
2,046,378	475,183	-24,059	357,724	-330,695	272,699	193,828	78,871	369,015	160,625	208,390		5,911,804		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	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Iron and ferroalloy ores mining	Nonferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and 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							
4	Agricultural, forestry, and fishery services.....				12,109						
5	Iron and ferroalloy ores mining.....					2,299	17				
6	Nonferrous metal ores mining.....					174	3,780				
7	Coal mining.....						5	28,309			
8	Crude petroleum and natural gas.....							3			
9	Stone and clay mining and quarrying.....					5	1	7	144,693		
10	Chemical and fertilizer mineral mining.....						1		3	6,446	
11	New construction.....									20	2,195
12	Repair and maintenance construction.....										
13	Ordinance and accessories.....										
14	Food and kindred products.....	9									
15	Tobacco manufactures.....										
16	Broad and narrow fabrics, yarn and thread mills.....										
17	Miscellaneous textile goods and floor coverings.....										
18	Apparel.....										
19	Miscellaneous fabric 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.....										
68	Private electric, gas, water, and sanitary services.....										
69	Wholesale and retail trade.....									210	
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	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Industry number
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
			3,431						97								1
			686														2
																	3
																	4
																	5
																	6
																	7
																112	8
			(*)													1	9
																1,047	10
275,280																	11
	109,095																12
		15,803															13
			273,081				14	1	6	(*)	1		52	12	12	377	14
				20,187									4				15
					29,240	279	330	1,227				11	23				16
					126	9,980	12	42	39		(*)	27	80		15		17
					152	48	52,762	218					49		14	7	18
					127	20	31	9,693					16				19
			5					1	6			4					20
			(*)						38,702	62		32	51	1	11	51	21
									41	540		7	67	8	(*)		22
									47	(*)		4	7	3			23
									51		12,195	30	4				24
									6	1	32	10,606	1				25
									2				56,991	80	365	309	26
									41				92	18,295	52		27
									1				470	62	53,253	6	28
									13				1		60	70,436	29
									4				5			2,059	30
									17				12			1,552	31
									2				17			139	32
									2				1			13,417	33
									16				130			380	34
									1				4				35
									8			(*)					36
									2				10				37
									3				9				38
									8				33				39
									37				9				40
									7				9				41
									5				9				42
									48				72				43
									3				9				44
									14				7				45
									6				2				46
									29				2				47
									9				2				48
									2				3				49
									1				3				50
									1				5				51
									6				4				52
									3				3				53
									11				1				54
									3				41				55
									3				31				56
									1				9				57
									1				3				58
									4				4				59
									11				16				60
									21				15				61
									1				3				62
									15				3				63
									6				11				64
									2				3				65
									9				11				66
									2				109				67
									27				42				68
									2				21				69
									9				15				70
									7				49				71
									4				16				72
									9				72				73
									7				40				74
									28				6				75
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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 miscellaneous 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.....				38					197
10	Chemical and fertilizer mineral mining.....									101
11	New construction.....									
12	Repair and maintenance construction.....									
13	Ordinance and accessories.....									
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				26
25	Paperboard containers and boxes.....					221		2	15	
26	Printing and publishing.....					36		5	(*)	
27	Chemicals and selected chemical products.....	3,511	1,345	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		1	4	127
32	Rubber and miscellaneous plastics products.....	333	74	12		51,931	1	41	6	102
33	Leather tanning and finishing.....					2	1,812	12		
34	Footwear and other leather products.....		1	2		22	1	7,489		2
35	Glass and glass products.....	26		4		48			12,117	6
36	Stone and clay products.....	83	17	17	59	130		(*)	42	30,509
37	Primary iron and steel manufacturing.....					5				9
38	Primary nonferrous metals manufacturing.....		16		1	135			86	55
39	Metal containers.....					23			5	
40	Heating, plumbing, and fabricated structural metal products.....			4	2	110			54	35
41	Screw machine products and stampings.....	23				51			1	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.....					34				5
47	Metalworking machinery and equipment.....	5	22		1	14				18
48	Special industry machinery and equipment.....		3	2		84			11	3
49	General industrial machinery equipment.....	3	3	2		3				12
50	Miscellaneous machinery, except electrical.....					66		1		
51	Office, computing, and accounting machines.....					11			(*)	4
52	Service industry machines.....		11			50			3	32
53	Electric industrial equipment and apparatus.....					28			(*)	
54	Household appliances.....		19			14		2	16	9
55	Electric lighting and wiring equipment.....				1	38				9
56	Radio, TV, and communication equipment.....	12				58				21
57	Electronic components and accessories.....					12		4	(*)	3
58	Miscellaneous electrical machinery and supplies.....		8			7				46
59	Motor vehicles and equipment.....		10	25	9	146				16
60	Aircraft and parts.....				10	6				(*)
61	Other transportation equipment.....					42		6	39	
62	Scientific and controlling instruments.....		279			185			(*)	12
63	Optical, ophthalmic, and photographic equipment.....	50	19	10		197	(*)	21	(*)	36
64	Miscellaneous manufacturing.....		63	3	2					
65	Transportation and warehousing.....									
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
													21			8
																9
																10
																11
																12
14	3	1	112	34	21	29		2	(*)	30	88	5	11		2	13
		21	8	35	3		1				14				10	14
		20			4						26					15
					4						11				2	16
											1					17
											1					18
											1					19
1	3		66	2	12		1		(*)	3						20
					60		3		2	5						21
					1				1							22
13	13		26	7	29		6			8						23
3			26	7	12		3			3						24
			8		159					9						25
					24											26
		15	8	18	72					11						27
5		15	14	19	99		34			2						28
5	42				14					10						29
					10					13						30
					10					10						31
																32
29	18	70	46	24	129		19	2		6						33
		3						7		12						34
																35
																36
4			14	2	8											37
5			47	4	17											38
			39	1	39		4			1						39
55,680	343		156	103	1,535		40	5		35		5	1		10	40
361	44,650	20	113	14	370		2	18	4	96		84	26	14		41
			25	24	11					121		59	8			42
		11,537	25	24	11					9						43
72	99	9	35,294	87	214	25	59	27	53	38		105	46		80	44
61	39	40	84	19,999	114	23	28	14	11	330		13	13	13	16	45
302	90	9	153	149	33,018	36	50	68	39	230	110	169	88	18	34	46
7	2		146	13	28	10,885	2	14		44		88	12	14	17	47
98	(*)		52	19	40	45	11,755	254	15	12		31	36	6	6	48
177			126	7	315	269	114	21,743	154	37		24	270	24	10	49
20			28	8	19	9	20	56	6,110	30		50	79	25	28	50
60	5		36	32	122	10	77	36		16,198		72	74	34	21	51
28	6	2	75	13	37	9	23	24	27	111	11,556	131	181	73	39	52
60	58		145	36	359	183	43	79	29	69	125	20,833	118	67	143	53
19	20	2	19	6	35	37	5	6	5	78		29	93	2	18	54
2			50	57	117					21		14	95	15	5	55
7	58	6	102	7	67		18	1	17	17		16	121	15	20	56
23	73		20	8	36	99		4	17	47		11	85	10	88	57
31	5	10	89	115	24	22						1	86	5	240	58
63	75		41	48	78					15		4	9	12	27	59
14	121		20	3	97			8	4	6		4	12	28	7	60
23	40		43	3	40	13		9		55		118	80	22	1,313	61
11	257		1	59	5			4		6		(*)	12	40	26	62
407	156	4	126	731	168	177	86	114	59	177		27	49	39	190	63
80	11		132	97	162	606	48	118	47	74		116	244	25	168	64
14			122	10	44	89	114	74	6	58		11	54	13		65
2	23		40	17	99			10	12	23		13	82	19	78	66
	2	8	8	17	13	25		12		24		30	50	177	2	67
6	18	1	20	22	59		6	1		20		9	18	8	1	68
																69
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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 communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other transportation 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.....			(*)				5	1	1
20	Lumber and wood products, except containers.....		1	1	11	2		12		14
21	Wood containers.....									
22	Household furniture.....		43	4	6	11		5		
23	Other furniture and fixtures.....		3	4	9		4	5	8	2
24	Paper and allied products, except containers.....	2		2	9	234	5	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.....		5		7		31			
30	Paints and allied products.....	1								
31	Petroleum refining and related industries.....							64	27	16
32	Rubber and miscellaneous plastics products.....	14	15	25	10	35	7	3	1	
33	Leather tanning and finishing.....							1		
34	Footwear and other leather products.....							9		
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	26	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		2	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	23	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		10,623	115	131	42	110		7
56	Radio, TV, and communication equipment.....	315	13	60	50,307	324	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	83	4		265	107,715	63	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.....									
80	Government industry.....									
81	Rest of the world industry.....									
82	Household industry.....									
83	Inventory valuation adjustment.....									
84	Inventory valuation adjustment.....									
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]

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-mobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Industry number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
			28											86		1
														151		2
																3
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23,185	19,864	26,596	218,802	95,313	943	274,017	557,751	227,013	488,715	73,545	319,956	149,749	63,916	40,275	311,302	

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 Government enterprises	State and local government enterprises	Scrap and used goods	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total industry output
		78	79	81	82	83	84	85	
1	Livestock and livestock products.....								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 ores 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.....			(*)					12,658
23	Other furniture and fixtures.....			4					11,003
24	Paper and allied products, except containers.....			2					59,638
25	Paperboard containers and boxes.....			(*)					18,793
26	Printing and publishing.....			30					36,157
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.....			(*)					8,500
31	Petroleum refining and related industries.....			5					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					14,931
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.....								14,841
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.....								493,767
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.....								63,492
76	Amusements.....								40,268
77	Health, educational, and social services and nonprofit organizations.....								311,674
78	Federal Government enterprises.....	25,359							33,813
79	State and local government enterprises.....		9,169						42,568
82	Government industry.....				333,815				333,815
83	Rest of the world industry.....					51,412			51,412
84	Household industry.....						7,660		7,660
85	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.

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.

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.¹ 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

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 Toui C. 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 nonmanufacturing 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-

pendents. 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, 1981–84¹

[Thousands of dollars]

New London County, Connecticut	1981	1982	1983	1984	1985	1986
Income by Place of Residence						
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 ²	16,745	25,114	22,155	36,459	31,353	39,015
Population (thousands) ³	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	2,620,360	2,881,734	3,056,947	3,055,307
Less: Personal contributions for social insurance ⁴	119,205	134,381	151,142	166,346	183,323	184,325
Plus: Residence adjustment ⁵	-37,826	-49,113	-84,129	-83,272	-76,513	80,328
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 ⁶	452,231	493,439	515,267	587,044	609,717	653,440
Plus: Transfer payments.....	359,470	397,795	428,839	447,638	484,229	509,545
Earnings by Place of Work						
Components of earnings:						
Wage and salary disbursements.....	1,801,085	1,990,541	2,230,534	2,448,172	2,597,394	2,576,933
Other labor income.....	195,518	223,099	250,246	260,044	270,410	259,464
Proprietor's income ⁷	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	2,043,003	2,225,820	2,362,992	2,327,048
Agricultural services, forestry, fisheries, and other ⁸	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	311,861	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	217,347	235,511	246,329
Durable goods.....	673,986	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.....	53,776	58,466	63,010	67,355	75,024	75,854
Retail trade.....	176,476	181,139	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.

^a Not shown to avoid disclosure of confidential information.

^b Less than \$50,000. Estimates are included in totals.

^c 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 ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in U.S.		Millions of dollars			Percent change ²	Dollars			Rank in U.S.
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
United States ¹	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	93,053	98,100	104,250	6.3	15,113	15,900	16,347	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	11,482	12,088	244
Consolidated Metropolitan Statistical Areas⁴									Cincinnati, OH-KY-IN	18,469	19,628	20,983	6.9	13,115	13,888	14,791	86
Buffalo, NY	15,323	16,063	16,890	5.1	12,849	13,556	14,294		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	14,585		Colorado Springs, CO	4,579	5,063	5,386	6.4	12,992	13,789	14,159	124
Cleveland, OH	38,567	40,646	42,560	4.7	13,843	14,659	15,389		Columbia, MO	1,242	1,320	1,409	6.7	11,823	12,583	13,231	174
Dallas, TX	52,547	56,146	60,690	4.4	15,548	16,492	17,603		Columbia, SC	4,919	5,395	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	6.9	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	-0.9	14,541	15,136	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	13,137	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	19,029	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 Areas⁵									Detroit, MI	61,815	67,577	71,847	6.3	14,304	15,007	15,675	40
Abilene, TX	1,527	1,643	1,646	-2	12,481	13,369	13,078	179	Dothan, AL	1,269	1,365	1,449	6.2	9,897	10,638	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	2,892	3.5	10,876	11,287	11,875	257
Albany-Schenectady-Troy, NY	11,039	11,807	12,688	7.5	13,250	14,071	15,041	75	Eau Claire, WI	1,470	1,542	1,607	5.0	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	9,355	10,437	10,738	298	Elkhart-Goshen, IN	1,770	1,859	2,012	8.2	12,373	12,977	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	12,008	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	-0.9	13,222	13,437	13,642	150
Amarillo, TX	2,498	2,638	2,672	1.3	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	36,656	40,275	43,670	8.4	17,558	18,935	20,154	9	Evensville, IN-KY	2,968	3,112	3,268	5.0	11,140	11,794	12,419	220
Anchorage, AK	4,623	4,839	4,829	-0.2	20,319	20,829	20,550	6	Fargo-Moorhead, ND-MN	1,757	1,830	1,942	6.2	12,288	12,642	13,369	170
Anderson, IN	1,594	1,672	1,732	3.6	11,908	12,525	13,053	181	Fayetteville, NC	2,494	2,664	2,814	5.6	9,818	10,428	10,884	295
Anderson, SC	1,383	1,452	1,537	5.9	9,997	10,411	10,922	294	Fayetteville-Springdale, AR	1,065	1,149	1,254	9.1	10,238	10,876	11,682	263
Ann Arbor, MI	4,081	4,464	4,922	10.3	15,652	17,036	18,505	20	Flint, MI	5,849	6,313	6,544	3.7	13,497	14,535	15,049	74
Anniston, AL	1,167	1,233	1,297	5.2	9,335	9,978	10,476	304	Florence, AL	1,298	1,375	1,424	3.5	9,490	9,981	10,336	308
Appleton-Oshkosh-Neenah, WI	3,729	3,963	4,239	7.0	12,347	13,018	13,786	137	Florence, SC	1,096	1,162	1,227	5.6	9,580	10,045	10,576	300
Asheville, NC	1,870	2,006	2,139	6.6	11,244	11,912	12,587	211	Fort Collins-Loveland, CO	2,051	2,205	2,338	6.0	12,364	12,922	13,390	166
Athens, GA	1,444	1,565	1,731	10.6	10,522	11,223	12,234	239	Fort Lauderdale-Hollywood-Pompano Beach, FL	17,720	19,242	20,710	7.6	16,095	17,178	18,128	23
Atlanta, GA	34,082	38,221	42,012	9.9	14,324	15,478	16,408	44	Fort Myers-Cape Coral, FL	3,351	3,786	4,146	9.5	13,132	14,190	14,854	82
Atlantic City, NJ	4,755	5,153	5,520	7.1	16,458	17,546	18,563	19	Fort Pierce, FL	2,509	2,794	3,000	7.4	13,117	14,064	14,587	93
Augusta, GA-SC	4,068	4,481	4,836	7.9	10,991	11,790	12,399	223	Fort Smith, AR-OK	1,722	1,843	1,961	6.4	10,078	10,626	11,145	286
Aurora-Elgin, IL	4,683	5,035	5,245	4.2	14,171	14,987	15,294	65	Fort Walton Beach, FL	1,376	1,503	1,642	9.2	10,605	11,238	11,620	266
Austin, TX	8,952	10,137	10,565	4.2	13,769	14,530	14,544	96	Fort Wayne, IN	4,367	4,709	5,131	9.0	12,516	13,387	14,409	109
Bakersfield, CA	5,723	6,220	6,636	6.7	12,345	13,270	13,439	43	Fort Worth-Arlington, TX	16,322	18,156	18,861	3.9	14,177	15,084	15,041	75
Baltimore, MD	32,567	35,155	37,481	6.5	14,551	15,627	16,439	43	Fresno, CA	6,813	7,445	7,873	5.7	12,047	12,925	13,397	165
Bangor, ME (NECMA)	1,477	1,550	1,651	6.5	10,673	11,247	11,943	251	Gadsden, AL	1,001	1,045	1,077	3.0	9,710	10,234	10,525	303
Baton Rouge, LA	6,465	6,734	6,682	-0.8	12,026	12,408	12,243	236	Gainesville, FL	1,948	2,131	2,284	7.2	10,103	10,787	11,434	277
Battle Creek, MI	1,547	1,656	1,729	4.4	11,312	12,168	12,634	209	Galveston-Texas City, TX	2,843	2,963	2,948	-0.5	13,353	13,857	13,700	144
Beaumont-Port Arthur, TX	4,802	4,865	4,819	-0.9	12,527	12,811	12,824	194	Gary-Hammond, IN	7,264	7,535	7,643	1.4	11,592	12,157	12,434	219
Beaver County, PA	2,215	2,258	2,211	-2.1	11,180	11,579	11,443	276	Glen Falls, NY	1,173	1,260	1,342	6.5	10,396	11,297	11,943	251
Bellingham, WA	1,254	1,349	1,456	7.9	11,239	11,975	12,809	198	Grand Forks, ND	752	788	831	5.5	10,888	11,367	11,976	247
Benton Harbor, MI	1,372	1,468	1,568	7.2	11,485	12,099	12,778	200	Grand Rapids, MI	8,062	8,715	9,330	7.1	12,921	13,740	14,380	113
Bergen-Passaic, NJ	24,086	25,865	27,926	8.0	18,518	19,904	21,518	3	Great Falls, MT	987	1,000	1,034	3.4	12,118	12,375	13,020	184
Billings, MT	1,499	1,535	1,564	1.9	12,584	12,735	13,019	185	Greeley, CO	1,488	1,551	1,657	6.8	11,183	11,562	12,271	234
Biloxi-Gulfport, MS	1,901	1,942	2,133	9.9	9,652	9,683	10,449	306	Green Bay, WI	2,361	2,526	2,698	6.8	12,853	13,647	14,414	107
Binghamton, NY	3,351	3,503	3,715	6.1	12,829	13,849	14,191	123	Greensboro-Winston-Salem-High Point, NC	11,262	12,142	13,044	7.4	12,730	13,576	14,501	99
Birmingham, AL	10,412	11,231	11,933	6.3	11,619	12,417	13,099	178	Greenville-Spartanburg, SC	6,327	7,0						

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 ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in U.S.		Millions of dollars			Percent change ²	Dollars			Rank in U.S.
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	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	12,703	13,763	13,993	128	Pueblo, CO	1,298	1,353	1,403	3.7	10,302	10,733	11,035	291
LaCrosse, WI	1,151	1,215	1,278	5.2	12,261	12,902	13,532	154	Racine, WI *	2,310	2,403	2,482	3.3	13,438	14,001	14,410	108
Lafayette, LA	2,736	2,869	2,780	-4.9	12,774	13,248	12,523	217	Raleigh-Durham, NC	8,231	9,294	10,149	9.2	13,473	14,723	15,599	58
Lafayette, IN	1,381	1,470	1,565	6.5	11,101	11,806	12,533	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	14,225	15,046	15,639	57
Lake County, IL *	8,161	8,916	9,781	9.1	17,773	19,028	20,265	8	Redding, CA	1,470	1,573	1,705	8.0	11,586	12,092	12,814	196
Lakeland-Winter Haven, FL	3,826	4,122	4,388	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	5,559	5,777	7.8	12,988	13,896	14,630	88	Richland-Kennebec-Pasco, WA	1,828	1,891	1,979	4.6	12,330	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	14,898	80	Rochester, NY	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, MN	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	8.3	11,000	11,466	12,395	224	Sacramento, CA	16,469	18,206	19,828	8.9	13,075	14,494	15,354	63
Lexington-Fayette, KY	4,299	4,521	4,742	4.9	13,166	13,716	14,285	116	Saginaw-Bay City-Midland, MI	5,030	5,349	5,555	3.8	12,233	13,215	13,763	138
Lima, OH	1,794	1,902	2,025	6.5	11,701	12,347	13,139	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	13,435	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	12,137	12,178	243	Salinas-Seaside-Monterey, CA	4,482	4,795	5,173	7.9	13,884	14,559	15,238	68
Los Angeles-Long Beach, CA *	120,917	130,561	140,933	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	12,371	13,000	13,697	146	San Angelo, TX	1,175	1,250	1,282	2.6	12,126	12,803	13,065	180
Lubbock, TX	2,535	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	1,726	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	3,043	3,277	3,509	7.1	10,972	11,716	12,438	218	San Francisco, CA *	32,299	34,763	37,384	7.5	20,843	22,139	23,542	2
Madison, WI	4,746	5,088	5,468	7.5	14,034	14,903	15,855	55	San Jose, CA *	25,384	27,133	29,344	8.1	18,421	19,417	20,935	5
Manchester-Nashua, NH (NECMA)	4,643	5,180	5,667	9.4	15,716	16,903	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	1,534	1,633	1,695	3.8	11,852	12,617	13,160	176	Santa Cruz, CA *	3,069	3,307	3,594	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	13,596	14,553	15,190	70
Medford, OR	1,485	1,565	1,663	6.2	10,899	11,308	11,880	256	Santa Rosa-Petaluma, CA *	5,042	5,543	5,860	5.7	15,462	16,589	17,055	33
Melbourne-Titusville-Palm Bay, FL	4,228	4,702	4,995	6.2	12,797	13,528	13,827	135	Sarasota, FL	3,958	4,382	4,766	8.8	16,698	17,998	19,248	14
Memphis, TN-AR-MS	11,193	12,001	12,838	7.0	11,935	12,631	13,330	168	Savannah, GA	2,771	2,964	3,201	8.0	11,866	12,511	13,353	172
Merced, CA	1,651	1,782	1,954	9.7	10,801	11,269	11,950	250	Scranton-Wilkes-Barre, PA	3,157	3,745	4,244	5.7	11,247	12,036	12,734	208
Miami-Hialeah, FL *	22,687	24,408	26,300	7.7	13,115	13,992	14,863	81	Seattle, WA *	26,602	28,715	31,114	8.4	15,716	16,650	17,763	26
Middlesex-Somerset-Hunterdon, NJ	16,955	18,557	20,087	8.2	18,475	19,929	21,142	4	Shenandoah, VA	1,372	1,409	1,443	2.4	10,892	11,365	11,680	264
Midland, TX	1,713	1,823	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
Midwaukee, 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	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	12,380	191
Mobile, AL	4,636	4,950	5,234	5.7	10,069	10,655	11,135	287	Sioux Falls, SD	1,495	1,690	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	3,377	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	13,829	14,068	14,966	77
Montgomery, AL	3,177	3,436	3,661	6.6	10,945	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	37
Muskegon, MI	1,734	1,821	1,903	4.5	11,154	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	10,923	298
Nashville, TN	11,092	12,200	13,261	8.7	12,392	13,392	14,243	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	17,610	18,954	20,514	7	Syracuse, NY	5,334	5,773	6,269	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	Tacoma, WA *	6,332	6,797	7,264	6.9	12,221	12,925	13,620	152
New Haven-Waterbury-Meriden, CT (NECMA)	11,692	12,550	13,504	7.6	15,192	16,231	17,337	29	Tallahassee, FL	2,102	2,286	2,524	10.4	10,023	10,678	11,578	268
New London-Norwich, CT (NECMA)	3,666	3,890	4,114	5.7	14,907	15,850	16,695	39	Tampa-St. Petersburg-Clearwater, FL	23,511	25,714	27,833	8.2	12,927	13,747	14,539	97
New Orleans, LA	16,428	16,975	17,131	5.9	12,406	12,764	12,838	193	Terre Haute, IN	1,442	1,507	1,575	4.6	10,654	11,163	11,745	261
New York, NY *	133,874	142,613	153,960	8.0	15,868	16,833	18,170	22	Texarkana, TX-Texarkana, AR	1,295	1,376	1,428	3.8	10,952	11,541	11,915	253
Newark, NJ *	32,159	34,398	37,159	8.0	10,073	10,215	10,675	12	Toledo, OH	7,960	8,423	8,892	5.6	13,047	13,796	14,547	94
Niagara Falls, NY *	2,672	2,819	2,931	4.0	12,301	13,003	13,516	158	Topeka, KS	2,222	2,354	2,455	4.3	13,962	14,740	15,269	67
Norfolk-Virginia Beach-Newport News, VA	15,521	16,801	18,156	8.1	12,281	13,124	13,866	134	Trenton, NJ *	5,258	5,725	6,195	8.2	16,759	18,039	19,309	13
Oakland, CA *	31,536	34,221	36,090	5.5	16,815	17,917	18,682										

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

Area name	Total personal income				Per capita personal income ^a				Area name	Total personal income				Per capita personal income ^a			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
United States ¹	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		Ketchikan Gateway								
Nonmetropolitan portion.....	573,628	603,177	633,791	5.1	10,316	10,811	11,323		Borough.....	222	232	241	3.7	17,231	18,974	19,626	7
Alabama.....	40,349	43,225	45,854	6.1	10,107	10,747	11,315		Kodiak Island Borough.....	170	191	197	2.9	12,432	13,924	14,257	14
Metropolitan portion.....	27,416	29,524	31,357	6.2	10,770	11,481	12,072		Matanuska-Susitna								
Nonmetropolitan portion.....	12,933	13,702	14,498	5.8	8,941	9,445	9,963		Borough.....	516	539	527	-2.1	17,798	14,904	13,509	18
Autauga.....	323	354	370	4.4	9,502	10,133	10,375	24	Nome.....	93	99	101	2.1	12,316	13,667	13,747	16
Baldwin.....	873	950	1,014	6.7	10,025	10,568	10,955	16	North Slope Borough.....	123	120	104	-13.1	27,635	24,938	21,590	4
Barbour.....	218	232	249	7.2	8,635	9,211	9,829	37	Northwest Arctic Borough..	63	68	69	1.7	12,115	12,568	12,613	19
Bibb.....	133	143	152	6.8	8,312	8,846	9,507	44	Prince of Wales-Outer								
Blount.....	322	356	376	5.7	8,746	9,409	9,651	40	Ketchikan.....	64	68	72	5.0	14,038	14,152	14,224	15
Bullock.....	75	79	81	2.6	7,023	7,638	7,994	62	Sitka Borough.....	120	125	129	3.4	15,365	16,345	16,903	11
Butler.....	181	187	199	6.2	8,235	8,544	9,092	52	Skagway-Yakutat-Angoon..	50	57	64	12.6	14,218	16,701	18,153	9
Calhoun.....	1,167	1,233	1,297	5.2	9,335	9,978	10,476	22	Southeast Fairbanks.....	78	82	81	-0.8	12,246	12,618	12,354	20
Chambers.....	354	371	393	5.8	8,839	9,369	9,875	35	Valdez-Cordova.....	153	175	171	-7.7	16,541	20,345	19,805	6
Cherokee.....	161	172	171	-4	8,453	8,992	8,881	56	Wade Hampton.....	34	38	41	8.1	7,269	8,094	8,564	23
Chilton.....	278	293	311	6.2	9,136	9,465	9,981	32	Wrangell-Petersburg.....	97	116	117	1.0	14,802	18,492	18,738	8
Choctaw.....	131	141	150	6.3	7,878	8,349	8,818	58	Yukon-Koyukuk.....	111	109	108	-2	12,755	12,102	11,861	21
Clarke.....	246	261	274	5.0	8,690	9,423	9,955	33	Arizona.....	36,900	40,941	44,728	9.3	12,101	12,983	13,638	
Clay.....	120	121	130	7.5	9,079	9,237	9,942	34	Metropolitan portion.....	30,271	33,906	37,136	9.5	13,126	14,118	14,839	
Cleburne.....	109	113	117	4.2	8,369	8,757	9,116	50	Nonmetropolitan portion.....	6,529	7,035	7,592	7.9	8,887	9,357	9,770	
Coffee.....	386	412	451	9.6	9,608	10,257	11,220	10	Apache.....	326	341	366	7.3	5,740	5,915	6,169	15
Colbert.....	518	546	559	2.5	9,484	9,974	10,268	26	Cochise.....	845	904	960	6.3	9,072	9,667	9,947	9
Conecuh.....	130	138	144	4.0	8,464	9,040	9,280	46	Cocoonino.....	779	853	937	9.9	9,498	10,105	10,875	5
Coosa.....	84	89	95	6.4	7,713	8,307	8,907	55	Gila.....	330	349	357	2.3	8,632	9,003	8,992	12
Covington.....	341	356	377	6.0	9,249	9,668	10,349	25	Graham.....	176	174	185	6.7	7,382	7,306	7,816	14
Crenshaw.....	126	119	134	12.3	9,304	8,869	9,986	31	Greenlee.....	93	80	77	-3.0	9,157	8,804	9,054	11
Cullman.....	632	668	731	9.4	9,839	10,241	11,071	13	La Paz.....	123	133	145	8.8	9,314	9,700	10,259	6
Dale.....	452	491	535	9.0	9,343	10,045	10,781	19	Maricopa.....	28,493	26,467	29,062	9.8	13,567	14,569	15,294	1
Dallas.....	439	462	482	4.3	8,170	8,696	9,139	49	Mohave.....	631	716	776	8.4	9,243	10,007	10,242	7
De Kalb.....	504	527	576	9.3	8,340	8,818	10,691	20	Navajo.....	532	563	600	6.6	7,691	7,969	8,442	13
Elmore.....	454	498	519	4.1	9,868	10,588	10,819	17	Pima.....	6,778	7,439	8,074	8.5	11,795	12,716	13,401	2
Escambia.....	333	351	365	4.0	9,116	9,613	10,028	29	Pinal.....	630	666	699	8.4	8,656	8,834	9,168	10
Etowah.....	1,001	1,045	1,077	3.0	9,710	10,234	10,525	21	Santa Cruz.....	203	216	234	8.8	9,187	9,629	10,165	8
Fayette.....	171	176	182	3.4	8,974	9,335	9,620	42	Yavapai.....	855	954	1,034	8.5	10,712	11,431	11,746	3
Franklin.....	287	302	315	4.2	10,091	10,743	11,252	9	Yuma.....	807	887	979	10.5	9,819	10,457	11,072	4
Geneva.....	226	230	245	6.7	9,433	9,595	10,243	27	Arkansas.....	23,309	24,846	26,194	5.4	9,933	10,530	11,042	
Greene.....	72	75	79	5.4	6,526	6,974	7,458	65	Metropolitan portion.....	10,080	10,870	11,538	6.2	11,029	11,775	12,362	
Hale.....	97	103	107	4.5	6,400	6,909	7,257	66	Nonmetropolitan portion.....	13,229	13,976	14,657	4.9	9,234	9,730	10,186	
Henry.....	145	142	150	5.7	9,742	9,954	10,138	28	Arkansas.....	260	267	264	-1.0	10,920	11,358	11,462	11
Houston.....	817	874	914	4.6	10,233	10,995	11,390	8	Ashley.....	266	283	276	-2.3	10,018	10,593	10,544	25
Jackson.....	427	444	453	2.0	8,333	8,787	9,076	53	Baxter.....	315	342	372	8.8	10,655	11,479	12,268	6
Jefferson.....	8,132	8,735	9,261	6.0	12,080	12,923	13,692	2	Benton.....	966	1,043	1,146	9.9	11,406	12,024	12,833	2
Lamar.....	150	160	164	2.8	9,263	9,741	10,009	30	Boone.....	267	285	304	6.7	9,686	10,283	10,891	18
Lauderdale.....	779	829	864	4.2	9,478	9,986	10,381	23	Bradley.....	121	127	132	3.9	9,003	9,494	9,999	39
Lawrence.....	253	274	281	2.3	8,187	8,796	8,917	54	Calhoun.....	44	46	48	3.4	7,224	7,495	7,799	68
Lee.....	775	833	889	6.7	9,738	10,368	10,997	15	Carroll.....	170	184	210	14.2	9,783	10,357	11,579	10
Limestone.....	474	504	558	4.6	9,863	10,565	10,732	18	Chicot.....	120	126	121	-3.4	6,729	7,170	7,064	74
Lowndes.....	89	95	100	5.5	7,129	7,390	7,827	63	Clark.....	221	232	235	1.4	9,663	10,158	10,373	30
Macon.....	178	191	199	4.0	6,856	7,276	7,578	64	Clay.....	176	183	179	-1.8	8,782	9,268	9,257	51
Madison.....	2,646	2,986	3,201	9.0	12,008	12,881	13,698	1	Cleburne.....	168	178	197	10.2	8,988	9,319	10,181	34
Marengo.....	202	212	221	3.9	8,313	8,766	9,112	51	Cleveland.....	72	76	85	10.9	8,905	9,422	10,214	32
Marion.....	253	264	275	4.1	8,134	8,471	8,851	57	Columbia.....	282	298	307	3.0	10,324	10,945	11,420	13
Marshall.....	690	739	790	6.9	9,890	10,446	11,050	14	Conway.....	190	196	213	8.8	9,738	10,151	11,064	15
Mobile.....	3,763	4,000	4,220	5.5	10,079	10,676	11,172	11	Craighead.....	635	682	712	4.3	10,073	10,805	11,228	14
Monroe.....	194	204	212	4.2	8,715	9,062	9,466	45	Crawford.....	339	367	392	6.9	8,549	9,023	9,357	49
Montgomery.....	2,401	2,583	2,773	7.4	11,413	12,103	12,872	3	Crittenden.....	423	451	462	-1	8,457	8,985	8,966	57
Morgan.....	1,027	1,125	1,188	5.6	10,820	11,644	12,026	6	Cross.....	185	188	187	-7	8,992	9,163	9,161	53
Perry.....	87	90	94	4.0	5,888	6,114	6,453	67	Dallas.....	96	101	105	4.0	9,051	9,667	10,093	36
Pickens.....	164	170	181	6.3	7,552	7,942	8,461	59	Desha.....	158	163	163	-2.9	8,035	8,633	8,424	63
Pike.....	236	253	270	6.8	8,740	9,211	9,737	39	Drew.....	155	164	163	-8	8,660	9,046	9,065	55
Randolph.....	165	173	182	5.2	8,144	8,701	9,151	48	Faulkner.....	522	577	621	9.5	10,502	11,229	11,932	7
Russell.....	412	436	447	2.5	8,655	9,109	9,175	47	Franklin.....	133	143	156	9.2	8,612	9,237	9,953	41
St. Clair.....	408	438	460	5.2	9,057	9,562	9,806	38	Fulton.....	70	76	82	8.0	6,7			

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Miller	390	411	425	3.5	9,952	10,598	10,918	17	Ventura	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	Yolo	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	Yuba	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	Colorado	44,947	47,556	49,756	4.6	14,092	14,704	15,230	
Nevada	97	103	108	5.1	8,892	9,429	10,014	38	Metropolitan portion	37,852	40,264	42,216	4.9	14,701	15,333	15,844	
Newton	55	58	63	7.6	6,761	7,172	7,637	70	Nonmetropolitan portion	7,095	7,292	7,539	3.4	11,544	11,992	12,518	
Ouachita	310	325	337	3.7	9,429	9,711	9,973	40	Adams	3,303	3,466	3,523	1.6	12,125	12,562	12,656	31
Perry	60	64	69	7.8	7,689	8,194	8,788	60	Alamosa	129	126	133	5.6	10,243	10,106	10,591	51
Phillips	247	257	249	-3.0	7,312	7,632	7,527	71	Arapahoe	6,135	6,573	6,877	4.6	17,010	17,598	17,933	7
Pike	38	93	99	6.1	8,658	9,162	9,814	43	Archuleta	45	49	51	5.4	9,060	9,735	10,218	55
Poinsett	235	231	234	1.1	9,028	8,870	8,969	56	Baca	66	68	71	3.8	12,789	13,472	14,251	20
Polk	147	158	174	10.4	8,438	9,128	10,182	33	Bent	53	55	59	8.2	8,859	9,284	10,195	56
Pope	393	431	472	9.4	9,438	10,130	10,855	20	Boulder	3,282	3,477	3,693	6.2	15,638	16,351	17,228	10
Prairie	92	90	84	-6.8	9,157	8,994	8,317	64	Chaffee	145	150	152	1.5	11,301	11,555	11,820	42
Pulaski	4,426	4,786	5,093	6.4	12,613	13,530	14,292	1	Cheyenne	39	50	52	2.4	16,214	20,890	21,408	3
Randolph	128	133	142	6.5	7,792	7,982	8,491	62	Clear Creek	105	109	108	-0.5	13,945	14,547	14,752	19
St. Francis	246	260	257	-1.2	7,339	8,297	8,163	66	Conejos	53	54	56	3.4	6,506	6,828	7,115	63
Saline	583	634	663	4.6	10,497	11,171	11,432	12	Costilla	37	36	35	-1.5	10,375	9,571	9,435	60
Scott	37	93	109	16.6	8,843	9,162	10,549	24	Crowley	26	26	31	21.2	8,293	8,178	9,796	57
Searcy	58	61	66	9.5	6,534	6,838	7,483	72	Custer	20	22	24	8.1	10,793	11,531	12,628	32
Sebastian	1,119	1,198	1,275	6.4	11,464	12,152	12,852	3	Delta	235	232	237	2.4	9,816	9,770	10,272	54
Sevier	135	141	151	7.1	9,426	9,846	10,678	21	Denver	8,301	8,619	8,985	4.3	16,275	16,862	17,792	9
Sharp	119	127	136	7.3	7,721	8,231	8,764	61	Dolores	21	21	21	-2.1	12,003	12,896	12,683	29
Stone	68	73	83	14.5	7,042	7,407	8,288	65	Douglas	617	703	747	6.4	18,528	19,588	19,263	4
Union	564	599	617	3.0	11,460	12,157	12,590	4	Eagle	269	284	295	3.6	16,904	17,566	17,944	6
Van Buren	112	122	134	10.0	7,626	8,194	8,924	58	Elbert	112	121	128	6.3	13,672	14,426	14,880	18
Washington	1,065	1,149	1,254	9.1	10,238	10,876	11,682	9	El Paso	4,579	5,063	5,386	6.4	12,992	13,789	14,159	21
White	443	471	498	5.8	8,454	9,000	9,373	48	Fremont	316	332	354	6.4	10,084	10,511	11,108	46
Woodruff	94	94	93	-1.3	8,826	8,778	8,853	59	Garfield	341	343	347	1.2	12,683	12,508	12,799	26
Yell	157	171	186	9.1	8,955	9,708	10,505	27	Gilpin	33	35	34	-2.4	12,208	12,749	12,542	33
California	389,183	422,825	455,301	7.7	15,096	16,041	16,875		Grand	115	119	119	.4	13,176	13,337	13,562	23
Metropolitan portion	376,684	409,522	441,054	7.7	15,261	16,232	17,082		Gunnison	103	109	115	5.4	9,863	10,653	11,294	45
Nonmetropolitan portion	12,499	13,303	14,247	7.1	11,398	11,780	12,273		Hinsdale	7	7	7	1.9	12,796	12,839	13,723	22
Alameda	18,867	20,299	21,418	5.5	16,024	16,988	17,720	8	Huerfano	62	64	66	4.1	8,748	9,070	9,591	58
Alpine	14	15	18	13.5	12,700	13,083	13,632	22	Jackson	19	19	21	8.7	10,939	11,319	12,424	35
Amador	265	291	314	7.9	11,937	12,528	13,207	30	Jefferson	6,797	7,254	7,608	4.9	16,536	17,317	17,799	8
Butte	1,736	1,865	2,015	8.0	10,969	11,483	12,088	45	Kiowa	43	42	42	1.3	21,418	20,953	22,556	2
Calaveras	266	291	304	4.8	10,428	10,937	10,738	55	Kit Carson	106	122	120	-1.8	13,453	15,763	15,727	13
Colusa	182	209	202	-3.4	12,944	14,349	13,480	25	Lake	68	69	62	-10.0	9,474	9,846	9,185	61
Contra Costa	12,729	13,922	14,672	5.4	18,143	19,467	20,233	5	La Plata	345	367	388	5.7	11,206	11,678	12,342	36
Del Norte	185	193	205	6.1	10,028	10,358	10,653	56	Larimer	2,051	2,205	2,338	6.0	12,364	12,922	13,390	25
El Dorado	1,268	1,424	1,547	8.6	12,794	13,710	14,292	21	Las Animas	131	132	135	2.3	8,825	9,132	9,537	59
Fresno	6,813	7,445	7,873	5.8	12,047	12,925	13,397	28	Lincoln	66	70	71	1.9	14,313	14,904	15,262	15
Glenn	259	277	283	2.2	11,440	12,050	12,233	44	Logan	233	232	242	4.5	11,583	11,676	12,449	34
Humboldt	1,289	1,377	1,483	7.7	11,597	12,305	12,988	33	Mesa	1,055	1,054	1,065	1.1	11,047	11,585	11,987	39
Imperial	1,056	1,074	1,112	3.6	10,285	10,147	10,391	57	Mineral	10	8	7	-3.2	12,125	9,660	10,648	50
Inyo	226	234	244	4.3	12,374	12,892	13,412	27	Moffat	133	143	152	6.6	9,393	10,842	11,962	40
Kern	5,723	6,220	6,636	6.7	12,345	12,970	13,429	26	Montezuma	202	199	200	.6	10,441	10,262	10,355	53
Kings	903	927	948	2.3	10,925	10,915	11,041	52	Montrose	252	254	270	6.3	9,715	9,939	10,939	49
Lake	524	562	608	8.3	11,517	11,779	12,391	43	Morgan	250	238	249	4.4	10,594	10,239	11,079	47
Lassen	247	265	282	6.4	10,254	10,873	11,272	50	Otero	223	231	247	7.2	10,187	10,443	11,295	44
Los Angeles	120,917	130,561	140,933	7.9	15,118	16,058	16,988	11	Ouray	24	25	26	1.7	11,758	12,651	12,798	27
Madera	728	765	858	12.2	9,947	10,220	11,018	53	Park	76	84	89	6.1	11,377	12,331	12,677	30
Marin	5,576	6,068	6,551	8.0	24,785	26,986	29,055	1	Phillips	57	61	68	10.3	12,320	13,639	15,393	14
Mariposa	143	158	172	8.7	11,153	11,881	12,521	41	Pitkin	239	251	268	6.9	23,103	24,670	25,973	1
Mendocino	839	897	963	7.3	11,709	12,253	12,877	35	Prowers	160	172	181	4.9	11,169	12,316	12,761	28
Merced	1,651	1,782	1,954	9.7	10,801	11,269	11,950	46	Pueblo	1,298	1,353	1,403	3.7	10,302	10,733	11,035	48
Modoc	111	104	108	3.0	11,566	11,034	11,424	49	Rio Blanco	96	88	89	.6	14,028	13,184	13,453	24
Mono	123	133	143	7.6	13,685	14,614	15,515	16	Rio Grande	125	121	133	9.6	10,981	10,586	11,354	43
Monterey	4,482	4,795	5,173	7.9	13,884	14,559	15,228	18	Routt	216	213	215	.7	15,403	15,555	16,160	12
Napa	1,568	1,706	1,787	4.8	15,365	16,515	17,066	9	Saguache	38	35	36	2.0	9,356	8,584	8,643	62
Nevada	772	860	931	8.3	11,939	12,716	13,105	32	San Juan	12	8	9	17.9	11,517	11,518	10,554	52
Orange	36,656	40,275	43,670	8.4	17,558	18,935	20,154	6	San Miguel	29	33	38	13.0	9,598	11,228	11,851	41
Placer	1,905	2,127	2,308	8.5	14,278	15,420	16,192	14	Sedgwick	42	45	46	1.4	13,197	14,365	15,216	16
Plumas	217	232	248	6.9	11,683	12,112	12,690	39	Summit	178	195	202	3.5	17,043	18,062	18,198	5
Riverside	10,514	11,630	12,500	7.5	13,500	14,211	14,500	20	Teller	124	137	141	3.2	11,788	12,398	12,121	38
Sacramento	11,673	12,886	14,056	9.1	13,428	14,469	15,367	17	Washington	82	91	89	-2.7	14,703	16,738	16,651	11
San Benito	357	387	420	8.6	12,320	12,728	13,229	29	Weld	1,488	1,651	1,657	6.8	11,183	11,562	12,271	37
San Bernardino	12,511	13,958	14,974	7.3	12,067	12,895	13,145	31	Yuma	125	143	145	1.3	12,537	14,386	14,394	17
San Diego	29,154	32,219	35,090	8.9	14,053	15,108	15,940	15	Connecticut	53,893							

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
New Castle.....	6,161	6,662	7,178	7.8	15,100	16,154	17,180	1	Bleckley.....	101	107	112	4.9	9,559	10,066	10,561	77
Sussex.....	1,133	1,270	1,400	10.2	11,341	11,910	12,761	2	Brantley.....	77	81	88	3.0	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	10.3	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	Candler.....	63	69	75	8.6	8,155	8,940	9,813	112
Brevard.....	4,228	4,702	4,995	6.2	12,797	13,528	13,827	17	Carroll.....	635	688	747	8.7	10,299	10,867	11,513	46
Broward.....	17,720	19,242	20,710	7.6	16,095	17,178	18,128	5	Catoosa.....	344	372	401	7.7	8,867	9,561	10,190	94
Calhoun.....	63	67	70	5.8	6,537	6,889	7,290	67	Charlton.....	53	54	55	8.3	9,460	10,216	10,886	66
Charlotte.....	932	1,064	1,154	8.5	12,426	13,388	13,732	18	Chatham.....	2,576	2,754	2,971	7.9	12,093	12,767	13,646	9
Citrus.....	707	821	875	6.7	9,694	10,582	10,919	37	Chattahoochee.....	153	170	181	6.6	7,243	8,202	8,676	146
Clay.....	1,012	1,141	1,236	8.3	12,311	13,033	13,526	20	Chattooga.....	187	198	212	7.5	8,717	9,230	9,941	106
Collier.....	1,788	2,032	2,235	10.0	16,043	17,348	18,402	4	Cherokee.....	762	900	1,002	11.4	12,024	13,207	13,574	12
Columbia.....	361	382	407	6.7	9,184	9,495	10,016	42	Clarke.....	830	904	997	10.3	10,763	11,640	12,646	20
Dade.....	22,687	24,408	26,300	7.8	13,115	13,992	14,863	9	Clay.....	25	24	25	2.8	7,365	7,384	7,766	158
De Soto.....	178	192	203	5.3	8,463	8,993	9,213	52	Clayton.....	1,935	2,125	2,269	6.8	11,782	12,708	13,309	16
Dixie.....	66	71	75	5.9	7,234	7,637	7,855	64	Clinch.....	55	59	60	2.4	8,095	8,656	8,734	144
Duval.....	7,644	8,312	8,965	7.9	12,446	13,193	13,868	16	Cobb.....	5,619	6,399	7,169	12.0	15,826	17,151	18,267	1
Escambia.....	2,716	2,897	3,102	7.1	10,493	11,019	11,466	34	Coffee.....	249	260	287	10.5	8,764	9,383	9,644	118
Flagler.....	170	200	214	7.0	10,955	11,831	11,774	30	Colquitt.....	353	375	395	5.3	9,560	10,353	10,825	69
Franklin.....	63	72	78	7.8	7,558	8,744	9,236	51	Columbia.....	587	694	768	10.8	11,831	13,151	13,627	10
Gadsden.....	317	337	367	8.9	7,251	7,599	8,127	62	Cook.....	115	118	127	7.8	8,379	8,524	9,167	136
Gilchrist.....	66	72	74	2.5	9,440	9,944	10,179	41	Coweta.....	489	541	578	6.9	11,365	12,027	12,461	24
Glades.....	49	54	58	-3	7,428	7,896	7,804	65	Crawford.....	75	79	84	7.0	10,176	10,499	11,220	57
Gulf.....	100	104	111	6.7	8,736	8,833	9,439	48	Crisp.....	170	180	192	6.5	8,429	8,876	9,475	124
Hamilton.....	76	79	80	2.1	8,194	8,413	8,669	58	Dade.....	93	100	104	3.9	7,898	8,606	8,824	142
Hardee.....	189	205	210	2.4	9,038	9,680	9,714	46	Dawson.....	65	73	84	15.8	11,394	11,634	12,640	21
Hendry.....	257	284	286	8	11,656	12,554	12,247	25	Decatur.....	240	244	266	9.2	9,055	9,137	9,990	104
Hernando.....	664	772	834	8.0	9,761	10,322	10,727	39	De Kalb.....	7,651	8,434	9,332	10.6	15,178	16,249	17,629	4
Highlands.....	593	664	709	6.8	10,455	11,273	11,701	31	Dodge.....	153	157	162	3.0	8,967	9,222	9,553	122
Hillsborough.....	8,629	9,469	10,211	7.8	11,815	12,546	13,161	21	Dooly.....	100	102	101	-1.6	9,519	9,886	9,881	107
Holmes.....	122	125	131	4.9	7,755	7,874	8,121	63	Dougherty.....	1,042	1,101	1,152	4.7	10,065	10,640	11,217	58
Indian River.....	1,064	1,194	1,287	7.8	14,174	15,362	15,895	7	Douglas.....	711	795	868	9.3	11,232	12,165	12,730	18
Jackson.....	390	352	375	6.4	8,089	8,511	8,953	56	Early.....	124	121	128	6.3	9,427	9,326	9,991	103
Jefferson.....	90	98	107	9.0	7,738	8,445	9,106	54	Echols.....	17	18	18	-2.1	7,554	7,717	7,545	159
Lafayette.....	47	49	55	12.1	10,503	10,888	11,864	27	Effingham.....	195	211	230	9.2	9,511	9,906	10,449	85
Lake.....	1,582	1,774	1,890	6.5	12,793	13,841	14,261	12	Elbert.....	185	197	207	5.1	9,743	10,396	10,905	65
Lee.....	3,351	3,786	4,146	9.5	13,132	14,190	14,854	10	Emanuel.....	169	181	192	6.3	7,960	8,465	8,922	138
Leon.....	1,786	1,949	2,156	10.6	10,752	11,483	12,480	24	Evans.....	83	88	99	12.8	9,725	10,664	10,994	27
Levy.....	194	208	222	6.5	8,286	8,623	9,206	53	Fannin.....	125	137	145	5.8	8,316	8,869	9,266	132
Liberty.....	39	41	44	6.1	8,719	9,190	9,669	47	Fayette.....	632	756	841	11.3	16,032	17,487	17,771	3
Madison.....	119	125	134	6.9	7,731	8,088	8,556	60	Floyd.....	869	920	986	7.1	10,975	11,722	12,531	22
Manatee.....	2,324	2,521	2,730	8.3	13,705	14,436	15,412	8	Forsyth.....	427	492	548	11.3	12,835	14,012	14,574	7
Marion.....	1,506	1,702	1,855	9.0	9,691	10,328	10,848	38	Franklin.....	157	187	187	12.2	10,173	10,581	11,717	37
Martin.....	1,341	1,521	1,646	8.2	16,888	18,351	19,303	2	Fulton.....	9,446	10,390	11,241	8.2	15,461	16,837	18,052	2
Monroe.....	824	923	1,016	10.1	11,758	12,989	14,021	14	Gilmer.....	113	127	141	11.1	9,475	10,580	11,417	48
Nassau.....	446	501	530	5.9	11,713	12,571	12,636	23	Glascok.....	24	25	27	6.6	9,950	10,332	11,163	59
Okaloosa.....	1,376	1,503	1,642	9.2	10,605	11,128	11,620	32	Glynn.....	676	746	800	7.2	11,626	12,624	13,376	14
Okeechobee.....	214	245	268	9.2	8,611	9,429	9,808	45	Gordon.....	315	337	376	11.6	9,797	10,219	11,415	49
Orange.....	7,011	7,780	8,512	9.4	13,038	14,018	14,799	11	Grady.....	176	189	201	6.5	8,487	8,946	9,415	126
Osceola.....	874	1,035	1,137	9.9	12,413	13,485	13,674	19	Greene.....	106	110	121	10.1	8,859	9,227	10,229	90
Palm Beach.....	12,249	13,772	15,064	9.4	17,662	19,014	19,938	1	Gwinnett.....	3,384	4,004	4,510	12.6	14,779	15,840	16,292	5
Pasco.....	2,443	2,691	2,899	7.7	10,623	11,343	11,805	29	Habersham.....	259	273	310	11.4	9,730	10,356	11,346	52
Pinellas.....	11,775	12,783	13,889	8.7	14,896	15,902	17,039	3	Hall.....	964	1,067	1,167	9.4	11,761	12,641	13,394	13
Polk.....	3,826	4,122	4,338	5.2	10,691	11,189	11,500	33	Hancock.....	70	74	79	6.9	7,400	7,745	8,377	151
Putnam.....	496	543	587	8.2	8,638	9,245	9,888	44	Haralson.....	205	214	228	6.3	10,473	10,749	11,227	56
St. Johns.....	834	956	1,029	7.6	13,083	14,081	14,116	13	Harris.....	176	183	201	6.9	10,685	10,981	11,515	45
St. Lucie.....	1,168	1,273	1,354	6.4	10,439	10,994	11,246	35	Hart.....	195	206	222	7.7	10,188	10,629	11,360	51
Santa Rosa.....	681	736	800	8.7	10,720	11,266	12,028	26	Heard.....	62	67	73	8.0	9,211	9,724	10,060	102
Sarasota.....	3,953	4,382	4,766	8.8	16,698	17,998	19,248	3									

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

Area name	Total personal income			Percent change ²	Per capita personal income ³			Rank in State	1986	Area name	Total personal income			Percent change ²	Per capita personal income ³			Rank in State	1986
	Millions of dollars				Dollars						Millions of dollars				Dollars				
	1984	1985	1986		1984	1985	1986				1984	1985	1986		1984	1985	1986		
Mitchell	173	174	190	3.9	8,024	8,087	8,778	145		Custer	49	47	47	-0	9,374	8,980	9,252	36	
Monroe	161	171	186	3.9	10,718	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	8,093	43	
Morgan	131	139	150	8.0	10,748	11,232	12,055	28		Fremont (incl. Ylwstn. Natl. 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	
Oconee	163	178	198	11.7	11,435	12,034	13,344	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		Lehigh	67	68	70	2.4	8,533	9,189	9,793	29	
Pierce	103	107	109	2.3	8,260	8,381	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	
Screven	124	131	134	2.4	8,698	8,999	9,900	139		Twin Falls	579	601	628	4.5	10,290	10,727	11,256	10	
Seminole	87	86	91	6.4	9,831	9,647	10,175	95		Valley	72	75	77	3.0	10,616	10,772	11,183	11	
Spalding	518	567	596	5.0	10,233	10,948	11,236	55		Washington	80	78	79	.7	9,583	9,331	9,604	33	
Stephens	206	221	236	6.8	9,303	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	328	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	8,333	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	33		Alexander	101	104	108	3.7	8,473	8,859	9,476	98	
Tattnall	157	163	182	11.3	8,889	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	9,533	123		Boone	378	401	415	3.3	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	7,698	7,583	8,137	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	12,785	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	8,082	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	11,531	44		Clark	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		Clay	155	165	170	2.9	10,059	10,910	11,430	83	
Twiggs	80	83	89	7.9	8,308	8,126	8,877	141		Clinton	394	405	431	6.6	11,636	12,019	12,818	50	
Union	79	87	96	10.7	7,607	8,244	8,892	140		Coles	557	592	607	2.6	10,630	11,310	11,671	79	
Upson	249	260	274	5.5	9,407	9,869	10,281	87		Cook	78,268	82,129	86,971	5.9	14,772	15,511	16,416	4	
Walker	522	557	596	7.0	9,332	9,916	10,576	76		Crawford	264	274	279	2.0	12,685	13,249	13,629	33	
Walton	334	362	387	7.0	10,352	11,025	11,460	47		Cumberland	106	110	112	1.7	9,705	10,130	10,321	95	
Ware	365	383	399	4.1	9,888	10,306	10,766	71		De Kalb	902	934	987	5.7	12,307	12,678	13,322	40	
Warren	51	54	55	2.2	7,886	8,587	8,819	143		De Witt	244	265	238	-10.2	13,626	14,883	13,677	31	
Washington	185	193	203	4.9	9,663	9,976	10,499	81		Douglas	233	244	245	.5	11,937	12,513	12,563	55	
Wayne	199	213	225	5.4	9,078	9,715	10,206	92		Du Page	12,471	13,472	14,572	8.2	17,742	18,811	20,024	2	
Webster	26	24	26	6.8	11,564	11,333	11,986	30		Edgar	246	260	259	-2	11,539	12,321	12,460	59	
Wheeler	40	41	41	.1	7,949	7,906	7,911	157		Edwards	91	94	99	5.2	11,157	11,507	12,118	72	
White	116	125	141	12.1	10,603	11,019	12,163	26		Effingham	367	386	401	3.9	11,657	12,173	12,626	53	
Whitefield	796	860	943	9.7	11,760	12,547	13,621	11		Fayette	208	214	221	3.5	9,387	9,728	10,150	96	
Wilcox	67	68	70	2.5	8,870	9,019	9,204	135		Ford	189	207	208	.7	12,635	13,926	14,093	23	
Wilkes	111	113	123	9.2	9,863	10,087	11,156	60		Franklin	465	483	508	5.1	10,482	11,292	11,910	76	
Wilkinson	104	109	114	4.7	9,714	10,073	10,537	73		Fulton	432	435	439	1.1	10,585	11,064	11,516	81	
Worth	168	171	180	5.2	9,197	9,304	9,660	116		Gallatin	80	82	84	1.8	10,506	10,892	11,254	87	
Hawaii	13,628	14,555	15,572	7.0	13,154	13,842	14,658			Greene	160	162	168	3.3	9,973	10,192	10,643	92	
Metropolitan portion	11,064	11,792	12,561	6.5	13,805	14,538	15,380			Grundy	431	471	488	3.6	13,927	15,075	15,366	5	
Nonmetropolitan portion	2,564	2,763	3,010	8.9	10,930	11,494	12,255			Hamilton	88	87	90	3.1	9,602	9,531	9,990	97	
Hawaii	1,117	1,187	1,289	8.6	10,438	10,835	11,533	4		Hancock	265	266	282	5.8	11,210	11,418	12,257	68	
Honolulu	11,064	11,792	12,561	6.5	13,805	14,538	15,380	1											

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	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	10,873	11,359	11,953	73	Lagrange	262	282	301	7.0	9,673	10,201	10,775	80
Marshall	176	182	185	1.6	12,771	13,496	14,029	25	Lake	5,764	5,942	5,990	.8	11,470	11,958	12,182	43
Masson	204	215	217	.9	11,247	12,058	12,441	63	La Porte	1,269	1,323	1,385	4.7	11,877	12,424	13,059	23
Massac	146	153	158	3.8	13,828	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	13,483	13,708	30	Madison	1,594	1,672	1,732	3.6	11,908	12,525	13,053	24
Mercer	221	221	225	1.8	11,582	11,793	12,232	66	Marion	10,229	10,683	11,695	7.6	13,174	13,922	14,900	3
Monroe	239	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	406	495	521	5.2	12,617	13,249	13,992	26	Miami	416	430	457	6.3	10,960	11,806	12,048	48
Moultrie	176	182	180	-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	12,396	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	11,820	12,244	41
Perry	273	274	289	5.7	12,350	12,383	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	322	400	415	3.9	10,799	11,296	11,734	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	1,598	1,654	3.8	12,088	12,960	13,487	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	13,338	14,106	15,048	8	Putnam	325	339	367	3.2	10,892	11,345	12,246	40
Schuyler	80	81	88	9.2	9,954	10,260	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	3,377	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	193	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	10,372	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	5.3	12,081	12,501	13,383	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	12,131	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	13,175	14,428	14,637	6
Whiteside	761	767	808	5.3	11,929	12,089	12,867	49	Union	73	75	80	6.6	10,638	10,702	11,425	66
Will.	4,330	4,623	4,837	4.5	13,081	13,853	14,293	17	Vanderburgh	2,173	2,279	2,385	4.7	12,935	13,553	14,230	7
Williamson	651	680	709	4.3	11,269	11,719	12,235	70	Vermilion	185	191	198	3.8	10,355	10,750	11,231	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	11,185	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	.....	Warren	95	100	97	-3.4	10,804	11,654	11,357	68
Metropolitan portion	45,691	48,398	51,122	5.6	12,251	12,953	13,657	.....	Warrick	571	604	638	5.7	12,385	13,401	14,055	8
Nonmetropolitan portion	19,324	19,993	21,160	5.8	10,961	11,333	12,023	.....	Washington	207	211	224	5.9	9,317	9,474	9,956	86
Adams	315	327	365	11.6	10,512	10,840	12,041	49	Wayne	811	841	881	4.8	10,992	11,512	12,203	42
Allen	3,703	4,069	4,365	9.0	12,805	13,743	14,796	4	Wells	292	302	327	8.4	11,992	12,393	13,413	20
Bartholomew	849	857	885	3.3	13,147	13,247	13,721	15	White	257	267	279	4.6	10,911	11,389	11,968	53
Benton	122	124	124	-5.7	12,280	13,299	12,609	32	Whitley	298	312	342	9.7	11,282	11,727	12,697	30
Blackford	166	174	181	3.9	10,906	11,577	12,041	49	Iowa	34,763	36,163	38,114	5.4	11,969	12,550	13,370	.....
Boone	544	591	627	6.1	14,373	15,460	16,311	2	Metropolitan portion	15,733	16,392	17,080	4.2	12,773	13,247	13,983	.....
Brown	130	133	140	5.3	10,507	10,582	10,967	75	Nonmetropolitan portion	19,030	19,770	21,033	6.4	11,377	11,958	12,910	.....
Carroll	234	242	265	9.3	12,132	12,674	13,848	12	Adair	94	96	109	12.8	10,151	10,701	12,344	71
Cass	459	477	493	3.3	11,478	11,920	12,431	34	Adams	56	59	67	14.7	10,007	10,708	12,415	69
Clark	974	1,014	1,062	4.7	10,877	11,393	11,959	54	Allamakee	150	147	166	12.8	9,717	9,621	10,968	93
Clay	262	273	283	3.7	10,601	11,048	11,485	64	Appanoose	145	150	160	6.7	9,805	10,294	11,201	91
Clinton	372	376	400	6.4	11,850	12,049	12,852	27	Audubon	86	91	99	8.7	10,211	11,157	12,526	63
Crawford	86	87	92	5.4	8,523	8,474	8,920	91	Benton	268	273	294	8.0	11,582	11,875	12,976	47
Davies	278	284	310	9.3	9,643	9,817	10,787	79	Black Hawk	1,578	1,567	1,569	.1	11,661	11,920	12,396	72
Dearborn	401	429	459	7.0	11,004	11,754	12,348	39	Boone	308	323	340	5.0	11,868	12,526	13,235	40
Decatur	269	269	284	5.4	11,319	11,385	12,052	47	Bremer	279	284	292	2.8	11,262	11,671	12,215	74
De Kalb	366	388	419	7.9	10,983	11,609	12,397	36	Buchanan	232	231	246	6.5	10,131	10,284	11,227	90
Delaware	1,361	1,416	1,495	5.6	11,006	11,590	12,372	38	Buena Vista	240	265	281	6.1	11,435	12,329	13,749	26
Dubois	460	483	528	9.5	12,994	13,505	14,676	5	Butler	192	195	204	4.3	11,054	11,442	12,166	77
Elkhart	1,770	1,859	2,012	8.2	12,373	12,797	13,740	14	Calhoun	153	162	173	6.7	11,767	12,823	14,110	18
Fayette	291	298	325	9.1	10,398	10,774	11,834	56	Carroll	281	294	311	5.6	12,233	12,891	13,808	34
Floyd	730	768	808	5.2	11,852	12,239	12,831	28	Cass	198	206	218	5.9	11,626	12,463	13,596	23
Fountain	203	207															

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

Area name	Total personal income				Per capita personal income ^a				Area name	Total personal income				Per capita personal income ^a			
	Millions of dollars			Percent change ^b	Dollars			Rank in State		Millions of dollars			Percent change ^b	Dollars			Rank in State
	1984	1985	1986		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	3.4	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	3.8	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	Finnney	355	386	400	3.5	12,249	12,963	13,205	60
Hardin	262	290	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	10,470	11,694	11,820	82	Franklin	253	262	282	7.4	11,314	11,801	12,833	72
Henry	218	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	3.8	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	12,138	13,219	42	Grant	92	100	100	4.0	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	10,238	10,272	10,936	95	Greenlee	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	11,935	13,102	63
Jefferson	175	182	198	3.6	10,571	11,019	11,995	79	Hamilton	33	39	41	3.5	13,368	15,710	16,351	12
Johnson	1,116	1,173	1,265	7.9	13,080	13,724	14,834	6	Harper	106	103	116	13.1	13,526	13,349	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	Hodge	128	134	141	5.0	10,990	11,455	11,993	93
Linn	2,180	2,305	2,417	4.9	12,906	13,633	14,319	13	Hoffman	177	187	196	4.7	11,103	11,774	12,283	88
Louisia	142	144	153	6.0	11,655	11,970	12,719	54	Jewell	54	58	64	10.4	10,954	12,993	13,505	54
Lucas	111	114	122	6.4	10,820	11,473	12,467	67	Johnson	5,354	5,955	6,394	7.4	18,029	19,433	20,091	2
Lyon	143	148	158	6.6	11,148	11,743	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	3.7	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	12,377	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	10,922	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	12,357	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
Muscatine	551	568	593	4.4	13,221	13,732	14,369	12	McPherson	354	378	398	5.2	12,752	13,665	14,407	41
O'Brien	203	216	233	7.8	12,132	13,202	14,599	8	Marion	142	158	164	4.1	10,594	11,875	12,550	84
Oceola	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	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	11,538	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	4,938	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
Poweshiek	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
Ringold	54	60	67	12.3	9,021	10,416	12,136	78	Neosho	224	225	226	.4	11,470	11,633	12,034	92
Sac	154	162	180	11.3	11,505	12,242	14,011	19	Ness	74	77	76	-.7	15,861	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	10,073	10,564	11,278	89	Osborne	69	70	70	-.3	12,106	12,770	12,895	71
Story	877	922	922	5.1	11,303	12,012	12,720	52	Ottawa	101	111	111	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	9,838	10,354	98	Pratt	146	158	164	3.5	13,386	14,442	15,104	30
Wapello	429	435	435	.1	10,871	11,175	11,451	87	Rawlins	47	56	56	-1.1	12,012	14,589	14,620	35
Warren	407	431	457	6.1	11,440	12,056	12,779	51	Reno	795	847	888	4.8	12,251	13,001	13,537	52
Washington	268	270	287	6.3	13,266	13,459	14,509	10	Republic	82	92	98	6.3	11,229	12,719	13,762	48
Wayne	80	84	91	7.9	10,235	11,050	12,201	75	Rice	145	155	163	4.9	12,474	13,691	14,554	37
Webster	507	529	553	4.6	11,453	12,168	12,953	48	Riley	655	682	725	6.3	10,054	10,616	11,430	102
Winnemac	168	170	186	9.5	12,957	13,188	14,646	7	Rooks	81	84	88	4.7	11,600	12,202	12,957	70
Winneshiek	216	211	239	13.0	9,673	9,521	10,832	97	Rush	59	59	61	3.6	13,428	13,698	14,554	37
Woodbury	1,191	1,241	1,297	4.5	11,881	12,454	13,149	43	Russell	132	135	134	-1.3	14,570	15,255	15,530	19
Worth	105	106	116	8.9	11,643	11,821	13,120	45	Saline	669	694	724	4.3	13,278	13,861	14,482	40
Wright	221	221	235	6.1	13,771	14,083	15,397	4	Scott	75	78	87	11.6	12,673	13,394	14,903	31
Kansas	31,789	33,365	35,646	5.3	13,017	13,823	14,486		Sedgwick	5,479	5,771	6,125	6.1	14,304	14,904	15,659	18
Metropolitan portion	17,526	18,828	19,975	6.1	14,128	14,957	15,618		Seward	252	274	277	1.1	13,910	14,660	14,654	33
Nonmetropolitan portion	14,263	15,037	15,671	4.2	11,869	12,625	13,261		Shawnee	2,222	2,354	2,455	4.3	13,962	14,740	15,269	26
Allen	166	174	180	3.8													

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

Area name	Total personal income				Per capita personal income ³			Rank in State	Area name	Total personal income				Per capita personal income ³			Rank in State	
	Millions of dollars			Percent change ²	Dollars					Rank in State	Millions of dollars			Percent change ²	Dollars			
	1984	1985	1986		1984	1985	1986				1984	1985	1986		1984	1985		1986
Kentucky	38,732	40,343	42,260	4.8	10,411	10,820	11,335		Monroe	101	102	108	6.1	8,124	8,348	8,912	78	
Metropolitan portion	20,584	21,655	22,760	5.1	12,173	12,777	13,429		Montgomery	184	191	196	3.0	9,006	9,282	9,511	61	
Nonmetropolitan portion	18,148	18,688	19,500	4.4	8,943	9,189	9,590		Morgan	84	82	85	2.8	6,914	6,832	7,058	107	
Adair	128	135	143	6.3	7,999	8,462	9,065	74	Muhlenberg	317	320	329	3.1	9,935	9,995	10,336	41	
Allen	137	143	146	1.5	9,486	9,805	9,964	49	Nelson	275	293	309	5.4	9,536	9,961	10,438	40	
Anderson	142	150	154	2.9	10,696	11,114	11,181	29	Nicholas	62	64	65	2	8,595	8,978	9,964	77	
Ballard	90	90	92	3.2	10,809	10,852	11,368	26	Ohio	204	200	205	2.1	9,322	9,277	9,580	59	
Barren	320	324	343	5.8	9,182	9,474	10,174	46	Oldham	365	385	405	5.1	12,438	12,931	13,198	7	
Bath	78	78	78	-3	7,681	7,664	7,687	95	Owen	74	75	78	3.4	8,003	8,092	8,334	86	
Bell	265	271	279	3.1	7,658	7,896	8,237	90	Owsley	33	33	34	3.2	5,873	5,992	6,127	116	
Boone	583	629	666	5.9	11,659	12,272	12,828	10	Pendleton	98	102	103	1.0	9,082	9,342	9,443	63	
Bourbon	224	230	227	-1.3	11,606	11,918	11,586	24	Perry	324	335	349	4.2	9,358	9,613	9,991	48	
Boyd	593	613	619	1.0	10,938	11,428	11,629	23	Pike	763	781	800	2.4	9,233	9,413	9,572	60	
Boyle	257	275	285	3.7	10,242	10,855	11,177	30	Powell	84	89	91	2.3	7,093	7,398	7,473	96	
Bracken	63	61	64	3.4	8,256	8,100	8,394	83	Pulaski	428	444	461	3.9	8,849	9,131	9,430	64	
Breathitt	135	136	140	3.3	8,174	8,217	8,398	82	Robertson	16	16	16	-7	7,099	7,212	7,342	102	
Breckinridge	152	152	159	5.1	9,047	9,873	9,391	66	Rockcastle	99	104	109	4.8	8,638	7,125	7,390	100	
Bullitt	411	439	453	3.3	9,202	9,589	9,765	57	Rowan	146	151	157	4.0	7,552	7,859	8,222	91	
Butler	83	84	93	10.7	7,277	7,454	8,344	85	Russell	111	116	123	6.1	7,375	7,685	8,274	88	
Caldwell	130	135	141	5.1	9,705	10,077	10,638	37	Scott	255	266	270	1.5	11,770	12,113	12,144	17	
Calloway	296	312	337	8.1	9,961	10,782	11,730	21	Shelby	265	278	292	5.0	11,095	11,601	12,145	16	
Campbell	908	966	1,023	5.9	11,044	11,811	12,525	11	Simpson	149	153	165	8.1	10,159	10,109	11,103	31	
Carlisle	54	54	57	5.7	10,433	10,590	11,291	27	Spencer	55	56	58	3.1	9,155	9,135	9,280	67	
Carroll	90	93	98	5.9	9,330	9,588	10,210	45	Taylor	198	203	216	6.3	8,998	9,242	9,935	53	
Carter	183	185	188	1.7	7,161	7,169	7,390	100	Todd	97	94	99	5.9	8,807	8,662	9,109	73	
Casey	101	99	102	2.8	6,666	6,602	6,826	111	Trigg	103	106	115	8.1	10,738	10,967	11,811	18	
Christian	598	625	679	8.8	9,239	9,743	10,740	36	Trimble	53	54	57	4.8	8,537	8,763	9,243	69	
Clark	336	346	359	3.7	11,540	11,922	12,350	14	Union	199	203	215	5.9	11,219	11,444	12,246	15	
Clay	168	166	172	4.0	7,104	7,017	7,302	104	Warren	778	829	866	4.5	9,441	10,099	10,317	42	
Clinton	61	62	65	5.4	6,194	6,317	6,618	113	Washington	96	98	104	6.6	9,297	9,520	10,215	44	
Crittenden	80	77	84	7.8	8,791	8,621	9,472	62	Wayne	114	116	121	4.9	6,476	6,540	6,834	110	
Cumberland	51	51	55	7.3	6,829	6,835	7,313	108	Webster	165	164	172	4.4	11,090	11,057	11,748	19	
Davess	1,019	1,054	1,086	3.1	11,617	12,001	12,416	13	Whitley	292	301	314	4.4	8,290	8,468	8,777	80	
Edmonson	65	62	67	7.9	5,717	5,482	6,188	115	Wolfe	48	48	49	9	6,862	6,823	7,030	108	
Elliott	38	39	40	5.1	5,700	5,725	6,104	117	Woodford	352	348	341	-2.1	18,977	18,608	17,910	1	
Estill	112	115	119	3.1	7,467	7,675	7,929	94	Louisiana	48,798	50,544	50,376	-3	10,935	11,267	11,191		
Fayette	2,844	3,023	3,222	6.6	13,563	14,254	15,134	2	Metropolitan portion	36,638	38,051	38,031	-1	11,892	12,280	12,228		
Fleming	94	98	104	5.9	7,596	7,870	8,353	84	Nonmetropolitan portion	12,160	12,494	12,344	-1.2	8,802	9,005	8,874		
Floyd	417	433	450	4.0	8,232	8,510	8,817	79	Acadia	534	538	506	-6.0	9,027	9,036	8,492	44	
Franklin	517	542	577	6.5	11,774	12,351	13,122	8	Allen	159	164	157	-4.1	7,385	7,629	7,307	60	
Fulton	93	95	99	4.6	11,275	11,740	12,420	12	Ascension	593	613	606	-1.1	10,355	10,575	10,291	20	
Gallatin	45	46	48	4.0	9,124	9,388	9,731	58	Assumption	211	214	212	-1.1	9,009	9,133	9,047	32	
Garrard	111	113	116	3.1	9,649	9,715	9,886	55	Avoyelles	329	337	334	-1.0	7,632	7,797	7,743	55	
Grant	128	137	141	2.7	9,202	9,719	9,952	50	Beauregard	290	303	306	9	9,030	9,307	9,339	27	
Graves	359	360	383	6.3	10,894	10,931	11,641	22	Bienville	151	156	158	1.4	9,115	9,297	9,375	26	
Grayson	172	172	182	5.4	7,881	8,014	8,411	81	Bossier	948	1,011	1,032	2.2	10,618	11,160	11,243	9	
Green	101	96	97	1.4	9,138	8,819	9,055	75	Caddo	3,300	3,459	3,451	-2	12,280	12,712	12,653	6	
Greenup	387	401	412	2.9	10,064	10,484	10,854	34	Calcasieu	1,875	1,906	1,915	5	10,710	10,939	11,065	11	
Hancock	89	90	90	1.3	10,977	11,128	11,187	23	Caldwell	91	95	93	-1.8	8,115	8,318	8,099	49	
Hardin	831	885	947	7.0	9,060	9,585	10,096	47	Cameron	102	104	106	1.8	10,160	10,507	10,821	13	
Harlan	345	341	344	9	8,164	8,057	8,208	92	Catahoula	100	95	95	3	7,901	7,457	7,536	58	
Harrison	153	162	165	1.9	9,819	10,355	10,483	39	Claiborne	163	169	169	4	8,826	9,157	9,174	29	
Hart	128	124	125	8	8,045	7,558	7,942	93	Concordia	219	215	210	-2.4	9,181	9,066	8,838	35	
Henderson	526	541	561	3.8	12,436	12,725	13,254	6	De Soto	246	261	253	-3.0	9,109	9,460	9,040	33	
Henry	123	129	131	2.2	9,584	9,635	9,882	56	East Baton Rouge	5,058	5,268	5,231	-7	12,965	13,428	13,325	3	
Hickman	57	56	60	6.4	9,813	9,768	10,606	38	East Carroll	95	90	82	-8.5	8,308	7,969	7,417	59	
Hopkins	575	593	623	5.0	12,378	12,709	13,368	5	East Feliciana	177	189	182	-3.8	8,730	9,269	8,761	37	
Jackson	72	73	75	2.9	5,849	5,866	5,997	118	Evangelina	299	305	290	-4.9	8,561	8,641	8,197	48	
Jefferson	8,896	9,351	9,858	5.4	12,983	13,678	14,482	3	Franklin	174	168	163	-2.9	7,153	6,901	6,697	63	
Jessamine	288	309	324	5.0	10,206	10,791	11,091	32	Grant	130	136	141	3.0	7,215	7,548	7,708	56	
Johnson	225	230	239	3.7	8,711	8,956	9,244	68	Iberia	720	745	721	-3.3	10,510	10,860	10,443	17	
Kenton	1,552	1,668	1,773	6.3	11,399	12,178	12,885	9	Iberville	313	325	318	-2.2	9,377	9,708	9,435	25	
Knox	123	127	132	4.1	6,759	6,900	7,170	106	Jackson	154	159	164	3.2	8,717	8,920	9,112	31	
KnoX	210	215	223	3.8	7,046	7,104	7,444	98	Jefferson	6,182	6,371	6,394	4	12,920	13,316	13,340	2	
Laurel	114	116	121	4.1	9,279	9,360	9,910	54	Jefferson Davis	305	300	287	-4.3	9,173	9,010	8,598	41	
Laurel	360	375	399	6.3	8,752	8,981	9,406	65	Lafayette	2,363	2,485	2,370	-4.6	14,004	14,532	13,786	1	
Lawrence	110</																	

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

Area name	Total personal income				Per capita personal income ²				Area name	Total Personal Income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
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	10,488	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	9,434	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	7,937	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
Vernilion	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	493	517	5.0	7,613	8,175	8,561	43	Branch	413	428	455	6.4	10,683	11,023	11,534	38
Washington	389	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	9,892	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	10,383	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
Clinton	636	677	721	6.4	11,525	12,261	12,932	25	Crawford	83	92	98	6.9	8,367	9,261	9,709	71
Crawford	83	92	98	6.9	8,367	9,261	9,709	71	Delta	394	412	439	6.5	10,134	10,662	11,348	43
Delta	394	412	439	6.5	10,134	10,662	11,348	43	Dickinson	309	323	346	7.0	10,048	12,325	12,918	26
Dickinson	309	323	346	7.0	10,048	12,325	12,918	26	Eaton	1,090	1,182	1,247	5.6	12,317	13,255	13,672	13
Eaton	1,090	1,182	1,247	5.6	12,317	13,255	13,672	13	Emmet	276	296	315	6.7	11,730	12,495	13,108	21
Emmet	276	296	315	6.7	11,730	12,495	13,108	21	Genesee	5,849	6,313	6,544	3.7	13,497	14,535	15,049	6
Genesee	5,849	6,313	6,544	3.7	13,497	14,535	15,049	6	Gladwin	185	198	208	4.9	8,732	9,224	9,637	72
Gladwin	185	198	208	4.9	8,732	9,224	9,637	72	Gogebic	171	177	189	6.7	8,944	9,422	10,052	67
Gogebic	171	177	189	6.7	8,944	9,422	10,052	67	Grand Traverse	685	750	820	9.4	12,037	12,902	13,854	11
Grand Traverse	685	750	820	9.4	12,037	12,902	13,854	11	Gratiot	427	443	469	5.7	10,858	11,340	11,908	35
Gratiot	427	443	469	5.7	10,858	11,340	11,908	35	Hillsdale	435	463	487	5.2	10,478	11,063	11,430	41
Hillsdale	435	463	487	5.2	10,478	11,063	11,430	41	Houghton	334	348	367	5.6	8,898	9,432	9,837	69
Houghton	334	348	367	5.6	8,898	9,432	9,837	69	Huron	471	450	461	2.5	13,079	12,372	12,607	30
Huron	471	450	461	2.5	13,079	12,372	12,607	30	Ingham	3,497	3,735	4,009	7.3	12,903	13,704	14,431	9
Ingham	3,497	3,735	4,009	7.3	12,903	13,704	14,431	9	Ionia	502	534	552	3.3	9,615	11,178	10,280	64
Ionia	502	534	552	3.3	9,615	11,178	10,280	64	Iosco	278	293	314	7.2	9,235	9,769	10,322	62
Iosco	278	293	314	7.2	9,235	9,769	10,322	62	Iron	145	148	154	4.1	10,443	10,783	11,008	48
Iron	145	148	154	4.1	10,443	10,783	11,008	48	Isabella	542	566	612	8.2	10,012	10,646	11,306	44
Isabella	542	566	612	8.2	10,012	10,646	11,306	44	Jackson	1,676	1,741	1,830	5.1	11,622	12,144	12,668	28
Jackson	1,676	1,741	1,830	5.1	11,622	12,144	12,668	28	Kalamazoo	2,760	2,936	3,140	6.9	12,931	13,714	14,425	10
Kalamazoo	2,760	2,936	3,140	6.9	12,931	13,714	14,425	10	Kalkaska	97	101	110	8.5	8,497	8,708	9,224	77
Kalkaska	97	101	110	8.5	8,497	8,708	9,224	77	Kent	6,026	6,503	6,961	7.1	13,097	13,920	14,578	8
Kent	6,026	6,503	6,961	7.1	13,097	13,920	14,578	8	Keweenaw	17	17	18	6.8	8,476	8,175	8,900	82
Keweenaw	17	17	18	6.8	8,476	8,175	8,900	82	Lake	64	67	71	7.0	7,626	7,881	8,268	53
Lake	64	67	71	7.0	7,626	7,881	8,268	53	Lapeer	799	893	928	3.9	11,548	12,811	13,184	20
Lapeer	799	893	928	3.9	11,548	12,811	13,184	20	Leelanau	176	189	204	7.9	12,278	12,885	13,618	14
Leelanau	176	189	204	7.9	12,278	12,885	13,618	14	Lenawee	1,050	1,113	1,172	5.3	11,964	12,599	13,210	19
Lenawee	1,050	1,113	1,172	5.3	11,964	12,599	13,210	19	Livingston	1,348	1,516	1,628	7.4	13,415	14,526	15,561	4
Livingston	1,348	1,516	1,628	7.4	13,415	14,526	15,561	4	Luce	69	73	78	6.7	11,645	12,565	13,279	18
Luce	69	73	78	6.7	11,645	12,565	13,279	18	Mackinac	101	107	112	5.4	9,843	10,460	10,741	53
Mackinac	101	107	112	5.4	9,843	10,460	10,741	53	Macomb	9,917	11,061	11,829	6.9	14,417	15,966	16,966	3
Macomb	9,917	11,061	11,829	6.9	14,417	15,966	16,966	3	Manistee	226	233	243	4.2	10,182	10,510	10,952	49
Manistee	226	233	243	4.2	10,182	10,510	10,952	49	Marquette	706	730	777	6.4	9,842	10,222	10,837	51
Marquette	706	730	777	6.4	9,842	10,222	10,837	51	Mason	260	269	280	4.1	9,937	10,298	10,626	55
Mason	260	269	280	4.1	9,937	10,298	10,626	55	Mecosta	296	316	341	7.8	7,933	8,472	8,930	59
Mecosta	296	316	341	7.8	7,933	8,472	8,930	59	Menominee	253	262	273	4.1	9,774	10,133	10,548	81
Menominee	253	262	273	4.1	9,774	10,133	10,548	81	Midland	965	1,040	1,123	7.9	12,798	14,365	15,504	5
Midland	965	1,040	1,123	7.9	12,798	14,365	15,504	5	Missaukee	87	94	100	6.1	8,275	8,697	9,132	79
Missaukee	87	94	100	6.1	8,275	8,697	9,132	79	Monroe	1,594	1,719	1,791	4.2	12,155	13,136	13,573	15
Monroe	1,594	1,719	1,791	4.2	12,155	13,136	13,573	15	Montcalm	509	532	553	4.1	10,219	10,510	10,886	52
Montcalm	509	532	553	4.1	10,219	10,510	10,886	52	Montmorency	70	75	81	7.3	9,072	9,562	10,163	65
Montmorency	70	75	81	7.3	9,072	9,562	10,163	65	Muskegon	1,734	1,821	1,903	4.5	11,154	11,605	12,000	33
Muskegon	1,734	1,821	1,903	4.5	11,154	11,605	12,000	33	Newaygo	352	375	402	7.2	9,733	10,201	10,684	54
Newaygo	352	375	402	7.2	9,733	10,201	10,684	54	Oakland	18,474	20,522	22,168	8.0	18,352	20,168	21,611	1
Oakland	18,474	20,522	22,168	8.0	18,352	20,168	21,611	1	Oceana	214	227	240	5.5	9,719	10,059	10,578	58
Oceana	214	227	240	5.5	9,719	10,059	10,578	58	Ogemaw	143	152	163	7.7	8,230	8,698	9,389	76
Ogemaw	143	152	163	7.7	8,230	8,698	9,389	76	Ontonagon	82	85	97	13.9	8,598	9,385	10,926	50
Ontonagon	82	85	97	13.9	8,598	9,385	10,926	50	Oscoda	167	175	187	7.1	8,333	8,624	9,162	78
Oscoda	167	175	187	7.1	8,333	8,624	9,162	78	Osceola	57	59	63	6.2	8,177	8,468	9,113	80
Osceola	57	59	63	6.2	8,177	8,468	9,113	80	Otsego	164	174						

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1985-86	1984	1985			1986	1984	1985		1986	1985-86	1984		1985	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	11
Brown.....	328	342	368	7.7	11,492	12,119	13,177	30	Alcorn.....	303	317	337	6.3	9,204	9,705	10,327	9
Carlton.....	299	312	343	9.8	9,967	10,463	11,471	63	Amite.....	94	96	97	1.2	7,041	7,208	7,288	69
Carver.....	536	587	621	5.8	13,698	14,725	15,176	9	Atala.....	141	143	153	3.8	8,275	7,571	7,841	63
Cass.....	192	204	215	5.7	8,838	9,385	10,015	78	Benton.....	62	64	63	-1.0	7,205	7,400	7,404	68
Chippewa.....	161	172	179	3.9	10,961	11,877	12,572	43	Bolivar.....	332	351	351	-.1	7,321	7,920	7,953	59
Chisago.....	321	338	363	7.6	11,679	12,136	12,901	34	Calhoun.....	119	122	129	5.6	7,746	7,883	8,390	51
Clay.....	547	557	598	7.4	11,286	11,514	12,516	44	Carroll.....	65	69	69	-.4	6,769	7,091	7,126	73
Clearwater.....	72	74	79	7.1	8,172	8,244	9,032	86	Chickasaw.....	150	156	162	4.0	8,304	8,690	9,014	26
Cook.....	44	47	49	5.7	10,815	11,419	12,959	55	Choctaw.....	67	68	69	-.8	7,491	7,657	7,757	64
Cottonwood.....	174	236	199	-15.5	12,150	16,645	14,343	14	Claiborne.....	85	88	90	2.0	6,903	7,270	7,449	67
Crow Wing.....	450	475	500	5.3	10,388	10,847	11,205	68	Clarke.....	138	142	147	4.0	8,095	8,389	8,659	43
Dakota.....	3,217	3,552	3,808	7.2	15,102	16,130	16,677	4	Clay.....	180	187	195	4.2	8,203	8,578	8,900	31
Dodge.....	167	176	194	10.6	10,906	11,422	12,707	37	Coahoma.....	283	293	291	-.8	7,874	8,279	8,179	55
Douglas.....	285	300	322	7.4	9,848	10,260	11,051	71	Copiah.....	213	222	235	5.7	8,063	8,388	8,829	34
Faribault.....	228	238	256	7.6	12,055	12,710	13,921	17	Covington.....	121	128	135	5.8	7,469	7,827	8,236	58
Fillmore.....	237	236	265	12.0	10,890	10,921	12,397	48	De Soto.....	596	657	693	5.6	10,211	10,748	10,897	6
Freeborn.....	408	416	446	7.2	11,539	11,911	12,936	33	Forrest.....	627	666	696	4.4	9,118	9,737	10,190	12
Goodhue.....	473	495	535	8.2	12,007	12,548	13,576	19	Franklin.....	74	77	79	2.6	8,704	8,874	9,000	29
Grant.....	85	89	99	10.9	12,163	13,107	14,797	11	George.....	119	122	136	11.3	7,404	7,598	8,317	52
Hennepin.....	16,667	17,870	19,069	6.7	17,222	18,240	19,303	1	Greene.....	63	65	66	-.4	6,498	6,857	6,790	78
Houston.....	190	202	220	8.9	10,084	10,700	11,577	62	Grenada.....	187	197	206	4.4	8,668	8,985	10,067	14
Hubbard.....	129	139	149	7.0	8,999	9,517	9,991	79	Hancock.....	255	262	289	10.5	8,822	8,558	9,161	23
Isanti.....	261	278	288	3.5	10,557	11,119	11,361	66	Harrison.....	1,646	1,680	1,844	9.8	9,794	9,850	10,684	7
Itasca.....	420	435	450	3.3	9,814	10,179	10,572	74	Hinds.....	3,005	3,181	3,343	5.1	11,682	12,264	12,382	1
Jackson.....	153	158	177	12.0	11,286	11,694	13,370	27	Holmes.....	143	146	151	3.9	6,096	6,298	6,611	90
Kanabec.....	121	125	134	7.0	9,729	9,923	10,652	73	Humphreys.....	111	116	109	-6.1	7,873	8,363	7,387	62
Kandiyohi.....	407	429	471	9.7	10,675	11,290	12,363	50	Issaquena.....	20	15	14	-3.3	8,566	6,608	6,365	81
Kittson.....	111	93	94	1.3	17,136	14,638	15,187	8	Itawamba.....	157	164	174	5.7	7,614	7,963	8,462	49
Koochiching.....	172	164	162	-1.1	10,370	10,151	10,571	75	Jackson.....	1,133	1,136	1,297	14.2	9,031	8,959	10,122	13
Lac Qui Parle.....	105	117	127	8.3	10,183	11,427	12,636	39	Jasper.....	132	137	145	6.1	7,529	7,853	8,605	45
Lake.....	104	104	102	-2.3	8,747	8,939	8,855	87	Jefferson.....	55	53	56	5.4	6,051	6,004	6,344	82
Lake of the Woods.....	38	38	40	6.2	10,006	9,898	10,492	77	Jefferson Davis.....	94	100	105	4.7	6,522	6,953	7,243	72
Le Sueur.....	285	295	316	7.3	12,068	12,492	13,522	21	Jones.....	593	631	650	3.0	9,343	10,043	10,309	10
Lincoln.....	75	84	91	8.0	9,580	10,890	11,929	57	Kemper.....	69	71	73	3.4	6,762	7,001	7,256	70
Lyon.....	288	306	330	8.1	11,309	12,109	13,223	29	Lafayette.....	244	257	275	6.8	7,767	8,338	9,005	28
McLeod.....	368	393	421	7.1	11,987	12,742	13,488	23	Lamar.....	220	228	241	5.5	8,319	8,432	8,802	37
Mahnomen.....	59	53	59	12.4	11,035	9,797	11,137	70	Lauderdale.....	827	887	932	5.2	10,563	11,384	12,024	2
Marshall.....	176	156	164	5.1	14,143	12,673	13,467	24	Lawrence.....	101	115	110	-4.1	7,786	8,868	8,446	50
Martin.....	313	324	353	9.1	12,500	13,009	14,396	13	Leake.....	155	157	168	6.7	8,116	8,351	8,886	32
Meeker.....	230	245	262	7.0	10,918	11,586	12,403	47	Lee.....	600	644	698	8.4	10,050	10,478	11,244	4
Millie Lacs.....	196	207	214	3.1	10,419	10,943	11,274	67	Leflore.....	353	365	366	-.1	8,284	8,825	8,864	33
Morrison.....	259	275	298	8.3	8,571	9,099	9,849	81	Lincoln.....	245	257	273	6.2	7,905	8,264	8,705	41
Mower.....	507	488	526	7.8	12,715	12,282	13,522	21	Lowndes.....	563	595	623	4.8	9,492	9,980	10,349	8
Murray.....	118	124	142	14.6	10,615	11,381	13,425	25	Madison.....	413	444	449	1.2	9,003	9,807	9,984	30
Nicollet.....	287	303	325	7.3	10,548	11,035	11,307	59	Marion.....	202	212	218	3.0	7,499	7,891	8,107	58
Nobles.....	243	255	281	10.0	11,340	12,101	13,596	13	Marshall.....	221	235	236	-.2	6,890	7,151	7,097	74
Norman.....	131	119	127	6.8	14,964	13,738	14,868	10	Monroe.....	319	332	349	5.2	8,629	9,015	9,518	13
Olmsted.....	1,456	1,542	1,645	6.7	15,150	15,831	16,798	2	Montgomery.....	97	98	103	4.9	7,446	7,622	8,141	56
Otter Tail.....	522	548	593	8.2	9,941	10,477	11,363	65	Neshoba.....	193	199	211	6.1	7,889	8,225	8,666	42
Pennington.....	158	163	169	3.5	11,211	11,643	12,222	52	Newton.....	176	133	195	6.6	8,728	9,051	9,634	16
Pine.....	178	187	200	7.4	8,512	8,847	9,691	84	Noxubee.....	85	86	87	1.4	6,572	6,641	6,769	79
Pipestone.....	121	124	139	11.8	10,666	11,167	12,664	38	Oktibbeha.....	289	311	326	4.8	7,810	8,484	8,826	35
Polk.....	424	429	448	4.4	12,502	12,781	13,409	26	Panola.....	216	223	233	4.8	7,424	7,632	7,921	61
Pope.....	112	116	124	6.9	9,627	10,071	10,848	72	Pearl River.....	317	314	335	6.6	8,394	8,131	8,511	48
Ramsay.....	7,072	7,495	7,961	6.2	15,115	15,896	16,795	3	Perry.....	89	86	88	1.5	8,538	8,520	8,834	44
Red Lake.....	61	58	58	-.7	11,638	11,456	11,641	61	Pike.....	302	316	331	4.5	8,216	8,465	8,824	36
Redwood.....	205	216	230	6.8	10,793	11,390	12,478	45	Pontotoc.....	178	195	206	5.4	8,146	8,822	9,202	22
Renville.....	230	238	257	7.3	11,452	11,961	13,135	31	Prentiss.....	184	192	203	5.9	7,430	7,760	8,199	54
Rice.....	522	558	599	7.2	11,037	11,558	12,611	41	Quitman.....	84	90	81	-9.8	7,338	7,963	7,244	71
Rock.....	113	115	130	12.6	10,521	10,841	12,461	46	Rankin.....	785	851	907	6.5	10,270	10,624	11,040	5
Roseau.....	153	145	164	13.6	12,033	11,126	12,396	49	Scott.....	208	220	249	12.9	8,228	8,562	9,585	17
St. Louis.....	2,292	2,331	2,406	3.2	10,941	11,361	11,918	58	Sharkey.....	66	61	53	-13.1	8,266	7,954	6,977	76
Scott.....	663	730	766	4.8	14,126	14,962	15,247	7	Simpson.....	187	199	214	7.7	7,775	8,202	8,787	39
Sherburne.....	369	383	412	7.6	11,447	11,557	12,069	54	Smith.....	126	133	147	10.3	8,419	8,630	9,420	20
Sibley.....	174	182	199	9.0	11,308	11,363	13,235	28	Stone.....	87	88	92	4.6	8,704	8,739	9,009	27
Stearns.....	1,160	1,239	1,328	7.1	10,347	10,987	11,664	60	Sunflower.....	277	301	290	-3.7	7,559	8,264	7,989	60
Steele.....	373	397	425	6.9	12,444	13,285	14,183	16	Tallahatchie.....	118	121	121	3.4	7,210	7,414	7,460	66
Stevens.....	120	126	135	7.2	11,104	11,983	12,709	36	Tate.....	188	201	211	4.9	8,954	9,394	9,782	15
Swift.....	127	126	138	9.8	10,004	10,170	11,400	64	Tippah.....	155	161	170					

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

Area name	Total personal income			Percent change ²	Per capita personal income ³			Rank in State
	Millions of dollars				Dollars			
	1984	1985	1986		1984	1985	1986	
Missouri	62,525	66,554	70,503	5.9	12,491	13,217	13,916	
Metropolitan portion	45,809	48,914	51,947	6.2	13,954	14,771	15,573	
Nonmetropolitan portion	16,716	17,640	18,556	5.2	9,704	10,233	10,723	
Adair	230	238	253	6.3	9,255	9,745	10,538	71
Andrew	155	165	172	4.2	10,474	11,167	11,537	40
Atchison	89	97	99	1.8	10,512	11,918	12,435	20
Audrain	280	293	296	1.1	10,866	11,350	11,657	36
Barry	252	262	281	7.0	9,756	10,021	10,671	68
Barton	118	126	138	9.3	10,289	11,012	12,045	31
Bates	173	182	191	5.2	11,020	11,619	12,057	30
Benton	110	116	124	7.5	8,844	9,057	9,616	92
Bollinger	79	83	86	4.0	7,617	7,846	8,085	109
Boone	1,242	1,320	1,409	6.7	11,828	12,583	13,231	8
Buchanan	1,002	1,053	1,108	5.2	11,636	12,290	12,905	13
Butler	351	364	379	4.1	9,102	9,424	9,883	86
Caldwell	94	100	102	1.5	11,485	12,266	12,462	18
Callaway	357	369	389	5.4	10,907	11,524	12,215	26
Camden	244	263	281	7.0	10,499	10,709	11,168	52
Cape Girardeau	683	720	767	6.5	11,417	11,908	12,505	17
Carroll	124	138	138	.3	10,690	12,075	12,118	28
Carter	40	41	42	2.5	6,983	7,121	7,265	114
Cass	685	747	796	6.5	12,496	13,384	13,895	7
Cedar	109	110	116	4.9	8,870	9,060	9,367	96
Chariton	102	113	115	1.9	10,030	11,226	11,533	42
Christian	257	284	301	6.0	10,499	11,043	11,093	58
Clark	75	82	81	-5	9,181	10,032	10,127	81
Clay	2,002	2,166	2,297	6.1	14,196	15,038	15,854	2
Clinton	181	193	201	3.8	11,197	11,918	12,238	25
Cole	701	749	800	7.6	11,547	12,074	12,609	16
Cooper	155	162	168	3.8	10,298	10,750	11,058	60
Crawford	179	188	201	6.7	9,397	9,901	10,475	75
Dade	70	72	77	8.0	9,379	9,582	10,315	78
Dallas	105	107	113	5.0	8,339	8,511	8,840	101
Davies	73	81	85	4.8	8,476	9,524	9,942	84
De Kalb	80	87	92	5.4	9,302	10,323	11,343	45
Dent	131	136	144	6.1	8,577	9,417	10,109	82
Douglas	85	88	93	5.1	6,857	7,138	7,612	112
Dunklin	289	297	302	2.0	8,105	8,444	8,781	103
Franklin	897	959	1,011	5.5	11,964	12,479	12,972	11
Gasconade	157	165	175	5.9	11,700	12,307	12,940	12
Gentry	80	84	89	6.3	10,208	10,920	11,961	32
Greene	2,297	2,449	2,614	6.7	11,935	12,524	13,187	9
Grundy	112	121	127	4.6	9,816	10,721	11,336	46
Harrison	95	102	105	3.0	9,744	10,656	11,167	53
Henry	215	223	230	3.4	10,985	11,204	11,492	44
Hickory	49	54	58	9.3	7,106	7,621	8,320	107
Holt	68	79	80	1.3	10,165	12,072	12,398	21
Howard	99	103	108	4.6	10,170	10,652	11,066	59
Howell	256	269	287	6.8	8,515	8,974	9,564	94
Iron	97	102	107	5.2	8,557	9,204	9,839	88
Jackson	8,579	9,124	9,649	5.8	13,572	14,370	15,164	5
Jasper	941	989	1,036	4.7	10,586	11,052	11,566	38
Jefferson	1,791	1,921	2,011	4.7	11,478	11,992	12,279	23
Johnson	356	380	417	9.8	9,370	10,038	10,974	62
Knox	46	51	51	.6	8,704	10,062	10,418	77
Laclede	245	256	270	5.8	9,435	9,742	10,274	80
Lafayette	348	376	394	4.7	11,526	12,430	12,903	14
Lawrence	285	308	331	7.7	9,584	10,265	10,884	64
Lewis	103	113	112	-1.0	9,407	10,550	10,510	73
Lincoln	267	300	320	6.9	11,190	12,022	12,250	24
Linn	152	159	163	2.6	9,964	10,698	11,121	57
Livingston	161	173	178	2.5	10,447	11,513	11,820	34
McDonald	130	140	157	12.0	8,424	9,036	9,873	87
Macon	173	183	193	5.4	10,438	11,118	11,534	41
Madison	101	105	111	6.2	9,280	9,494	9,768	90
Marion	70	75	78	4.3	8,971	9,582	9,808	93
Marion	300	318	329	3.5	10,403	11,074	11,540	39
Mercer	37	39	41	5.2	8,243	9,000	9,912	85
Miller	194	203	220	8.6	9,672	9,870	10,468	76
Mississippi	134	135	143	5.6	8,481	8,807	9,231	97
Moniteau	132	138	148	7.2	10,353	10,827	11,512	43
Monroe	104	115	115	-3	10,937	12,140	12,116	28
Montgomery	129	135	142	5.1	11,305	11,850	12,443	19
Morgan	133	139	151	8.7	8,773	9,109	9,661	91
New Madrid	182	184	189	2.5	8,061	8,262	8,671	104
Newton	404	425	456	7.2	9,534	9,985	10,498	74
Nodaway	204	221	230	4.1	9,385	10,407	10,905	63
Oregon	75	77	82	7.0	7,411	7,758	8,286	108
Osage	130	132	144	9.1	10,637	10,870	11,916	33
Ozark	68	73	80	10.1	7,865	8,392	9,205	98
Pemiscot	192	200	202	1.0	7,860	8,302	8,551	105
Perry	178	183	192	5.2	10,535	10,767	11,267	50
Pettis	397	415	436	5.2	11,018	11,477	12,130	27
Phelps	341	361	386	6.8	9,827	10,521	11,205	51
Pike	167	176	181	3.0	9,821	10,482	10,858	65
Platte	695	764	803	5.1	14,079	15,252	15,749	3
Folk	192	203	215	6.2	9,661	10,044	10,542	70
Pulaski	345	358	374	4.4	7,912	8,270	8,409	106
Putnam	51	51	53	2.6	8,736	9,210	9,609	93
Ralls	87	100	99	-1.1	9,590	11,164	11,150	55
Randolph	254	267	280	5.0	9,784	10,148	10,691	66
Ray	244	269	283	5.2	11,264	12,291	12,814	15
Reynolds	50	50	52	3.9	6,959	7,170	7,888	111
Ripley	84	90	95	5.3	6,636	7,014	7,389	113
St. Charles	2,314	2,602	2,789	7.2	13,979	15,057	15,333	4
St. Clair	78	78	84	7.5	9,172	9,287	10,072	83
St. Genevieve	166	172	180	5.2	10,337	11,015	11,298	48
St. Francois	442	468	493	5.4	10,184	10,653	11,149	56
St. Louis	16,537	17,649	18,939	7.3	16,747	17,787	19,069	1
Saline	287	295	303	2.6	11,586	12,065	12,383	22
Schuyler	45	47	48	2.3	9,677	10,232	10,686	67
Scotland	53	56	57	1.6	10,189	10,869	11,167	53
Scott	394	407	426	4.6	9,823	10,106	10,588	69
Shannon	49	50	52	4.2	6,127	6,266	6,658	115
Shelby	77	84	85	.4	10,201	11,432	11,590	37
Stoddard	280	297	302	1.6	9,783	10,341	10,512	72
Stone	171	188	204	8.2	9,949	10,732	11,312	47
Sullivan	65	69	70	2.5	9,179	9,773	10,279	79
Taney	244	261	279	6.8	10,478	10,866	11,273	49
Texas	174	182	194	6.6	8,058	8,429	9,011	100
Vernon	209	220	234	6.5	10,566	11,210	11,819	35
Warren	209	223	237	3.8	12,659	13,086	13,008	10
Washington	157	165	174	4.9	8,458	8,832	9,156	99
Wayne	81	87	93	7.3	6,937	7,358	7,960	110
Webster	187	202	215	6.8	8,580	9,057	9,508	95
Worth	24	29	30	4.4	8,408	10,412	11,051	61
Wright	130	134	145	8.0	7,834	8,095	8,812	102
St. Louis City	5,573	5,817	6,052	4.0	12,950	13,573	14,198	6
Montana	8,922	9,114	9,681	6.2	10,835	11,041	11,821	
Metropolitan portion	2,486	2,534	2,598	2.5	12,395	12,590	13,019	
Nonmetropolitan portion	6,437	6,580	7,083	7.6	10,333	10,541	11,435	
Beaverhead	82	84	95	12.8	9,718	9,928	11,219	32
Big Horn	103	104	119	14.3	8,914	8,972	10,188	46
Blaine	56	56	69	24.0	7,955	7,796	9,998	47
Broadwater	29	29	37	25.6	8,478	8,301	10,484	45
Carbon	80	85	90	7.0	9,289	9,857	10,691	41
Carter								

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Wibaux	14	12	14	16.4	9,326	8,655	10,620	43	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. Ylwnst. 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	9,692	10,327	10,845	5.0	13,112	13,851	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	12,329	13,015	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	58	Webster	64	62	65	3.9	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	9,943	11,880	72	York	206	217	221	1.8	13,691	14,466	14,873	16
Blaine	7	6	8	23.2	8,324	8,367	11,588	76	Nevada	12,678	13,768	14,878	8.1	13,832	14,701	15,445	
Boone	83	83	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	13,377	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	16,297	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	12,900	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	15,659	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	10,869	12,361	66	Pershing	37	36	43	19.8	10,124	9,703	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	Washoe	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	11,282	11,284	11,823	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	17,253	
Dodge	422	455	465	2.2	11,827	12,870	13,211	38	Nonmetropolitan portion	4,915	5,399	5,894	9.2	12,808	13,917	14,852	
Douglas	5,728	6,059	6,348	4.8	14,010	14,691	15,300	14	Belknap	617	630	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	13,037	45	Grafton	838	912	1,015	11.2	12,263	13,320	14,583	6
Furnas	77	78	85	8.3	11,861	12,346	13,736	30	Hillsborough	4,648	5,180	5,687	9.4	15,716	16,903	18,031	1
Gage	264	291	309	6.1	10,977	12,272	13,143	39	Merrimack	1,399	1,569	1,713	9.2	13,434	14,732	15,611	5
Garden	44	43	45	4.4	16,131	15,143	16,088	9	Rockingham	3,102	3,549	3,905	10.0	14,952	16,685	17,606	2
Garfield	24	21	23	9.4	9,941	9,980	10,689	88	Strafford	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	Sullivan	450	485	517	6.4	12,035	12,965	13,652	9
Grant	8	5	10	109.2	3,363	5,377	11,174	82	New Jersey	123,602	133,487	143,849	7.8	16,455	17,655	18,879	
Greeley	36	36	40	10.2	10,769	10,925	12,190	69	Metropolitan portion	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	Atlantic	3,411	3,630	3,951	7.4	17,010	18,092	19,229	9
Hamilton	119	129	130	.3	12,777	14,002	14,249	23	Bergen	17,381	18,679	20,200	8.1	20,600	22,240	24,136	2
Harlan	48	50	53	6.3	11,305	11,852	12,939	49	Burlington	5,568	6,079	6,547	7.7	14,748	16,005	17,021	13
Hayes	19	24	26	6.0	14,229	18,169	18,881	3	Camden	6,674	7,187	7,691	7.0	13,765	14,751	15,606	17
Hitchcock	48	53	57	6.9	12,050	13,374	14,497	19	Cape May	1,344	1,473	1,569	6.6	15,204	16,318	17,073	12
Holt	170	172	180	4.6	12,222	12,402	13,329	35	Cumberland	1,535	1,640	1,723	5.1	11,469	12,162	12,732	21
Hooker	9	10	10	5.7	8,837	9,519	10,750	87	Essex	12,839	13,610	14,825	7.5	15,260	16,126	17,372	11
Howard	68	73	76	3.8	9,989	11,085	11,751	74	Gloucester	2,658	2,873	3,053	6.3	12,911	13,788	14,432	19
Jefferson	117	129	135	4.2	12,155	13,542	14,406	20	Hudson	7,192	7,532	8,017	6.4	12,833	13,522	14,495	18
Johnson	52	60	64	6.1	9,981	11,993	12,999	48	Hunterdon	1,811	2,035	2,223	9.2	19,686	21,747	23,101	4
Kearney	94	102	103	1.0	13,729	15,056	15,504	12	Mercer	5,258	5,725	6,195	8.2	16,759	18,039	19,309	8
Keith	125	131	133	2.0	13,530	14,355	14,921	15	Middlesex	10,617	11,559	12,430	7.5	17,213	18,441	19,476	7
Keya Paha	11	11	14	20.3	9,107	9,348	11,352	79	Monmouth	9,156	10,109	10,948	8.3	17,526	19,007	20,175	6
Kimball	79	72	76	5.3	16,133	14,800	15,883	11	Morris	8,314	9,080	9,962	9.7	19,915	21,736	23,769	3
Knox	95	96	110	14.8	8,401	8,652	10,139	91	Ocean	5,518	6,125	6,578	7.4	14,877	16,084	16,755	16
Lancaster	2,509	2,692	2,829	5.1	12,333	13,113	13,731	31	Passaic	6,706	7,186	7,725	7.5	14,674	15,634	16,762	15
Lincoln	417	422	436	3.4	12,078	12,369	12,923	50	Salem	825	880	933	6.1	12,588	13,440	14,276	20
Logan	12	12	13	4.4	12,105	12,567	13,822	29	Somerset	4,527	4,962	5,434	9.5	21,671	23,545	25,196	1
Loup	7	7	8	18.6	7,827	7,878	10,013	92	Sussex	1,854	2,051	2,215	8.0	15,497	16,954	17,907	10
McPherson	5	5	6	23.9	9,230	9,172	11,339	81	Union	9,152	9,657	10,358	7.3	18,120	19,093	20,551	5
Madison	369	388	400	3.2	11,463	12,035	12,420	62	Warren	1,264	1,366	1,472	7.8	14,808	15,964	16,958	14
Merrick	98	104	106	1.6	11,063	11,991	12,345	67	New Mexico	14,979	16,266	16,908	3.9	10,495	11,208	11,423	
Morrill	72	66	74	11.2	11,915	11,187	12,631	55	Metropolitan portion	7,931	8,748	9,306	6.4	11,842	12,739	13,227	
Nance	53	54	57	4.8	11,407	11,865	12,781	52	Nonmetropolitan portion	7,048	7,518	7,602	1.1	9,304	9,833	9,798	
Nemaha	90	105	114	8.9	10,427	12,300	13,712	32	Bernalillo	5,599	6,1						

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

Area name	Total personal income				Per capita personal income ^a				Area name	Total personal income				Per capita personal income ^a			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Lea.....	755	787	725	-8.0	11,700	12,014	11,170	6	North Carolina.....	67,851	73,098	78,745	7.7	10,999	11,676	12,438	.....
Lincoln.....	188	144	146	2.0	10,129	10,348	10,779	13	Metropolitan portion.....	41,240	44,937	48,650	8.3	12,216	13,075	13,964	.....
Los Alamos.....	328	364	383	5.3	13,387	19,787	20,566	1	Nonmetropolitan portion.....	26,611	28,161	30,095	6.9	9,528	9,972	10,570	.....
Luna.....	130	141	154	9.3	7,489	8,025	8,664	24	Alamance.....	1,203	1,290	1,403	8.8	11,830	12,604	13,704	9
Mckinley.....	429	444	458	3.0	6,805	7,018	6,960	32	Alexander.....	273	281	310	10.1	10,368	10,547	11,530	31
Mora.....	27	29	30	3.9	6,096	6,338	6,616	33	Alleghany.....	85	89	94	6.2	8,642	9,147	9,703	67
Otero.....	483	518	545	5.2	9,844	10,487	10,848	11	Anson.....	214	218	240	10.5	8,155	8,278	9,153	81
Quay.....	105	117	114	-3.0	9,110	10,046	9,784	20	Ashe.....	188	202	215	6.1	8,098	8,635	9,163	80
Rio Arriba.....	225	242	260	7.5	6,957	7,452	7,827	29	Avery.....	121	129	139	7.8	8,081	8,615	9,272	77
Roosevelt.....	149	169	167	-1.1	9,050	10,274	10,162	16	Beaufort.....	403	424	440	3.7	9,486	9,782	10,006	60
Sandoval.....	422	493	529	7.2	9,865	11,284	11,082	9	Bertie.....	185	196	206	5.3	8,683	9,172	9,675	70
San Juan.....	834	888	896	.9	9,138	9,741	9,740	21	Bladen.....	251	250	266	6.3	8,143	8,115	8,632	90
San Miguel.....	171	185	193	4.1	6,991	7,456	7,623	30	Brunswick.....	367	414	457	10.3	8,461	9,079	9,624	71
Santa Fe.....	1,029	1,138	1,280	8.1	12,436	13,418	14,047	2	Buncombe.....	1,870	2,006	2,139	6.6	11,244	11,912	12,587	19
Sierra.....	83	90	97	8.0	9,014	9,404	10,059	17	Burke.....	751	786	847	7.7	10,040	10,390	11,095	40
Socorro.....	103	113	121	6.4	7,268	8,345	8,637	25	Cabarrus.....	1,034	1,096	1,182	7.8	11,316	11,888	12,808	16
Taos.....	183	192	183	-4.9	8,362	8,793	8,337	27	Caldwell.....	693	725	779	7.5	10,042	10,306	11,084	41
Torrance.....	70	75	77	2.8	8,373	8,755	8,563	26	Camden.....	55	57	61	5.4	9,405	9,874	10,405	51
Union.....	48	54	55	1.1	9,232	10,732	10,839	12	Carteret.....	466	519	569	9.6	9,906	10,638	11,190	37
Valencia.....	349	381	394	3.3	10,424	10,625	10,436	15	Caswell.....	171	161	167	3.3	7,721	7,185	7,493	98
New York.....	263,537	280,690	301,770	7.5	14,878	15,817	16,980	.....	Catawba.....	1,302	1,394	1,524	9.3	11,738	12,364	13,312	12
Metropolitan portion.....	245,631	261,793	281,614	7.6	15,326	16,298	17,511	.....	Chatham.....	398	426	455	7.0	11,352	12,023	12,749	18
Nonmetropolitan portion.....	17,906	18,898	20,156	6.7	10,621	11,223	11,924	.....	Cherokee.....	154	167	178	7.0	7,694	8,250	8,758	86
Albany.....	4,135	4,392	4,754	8.3	14,567	15,482	16,776	10	Chowan.....	120	123	135	5.4	9,216	9,751	10,106	56
Allegany.....	441	458	491	7.2	8,642	9,044	9,718	62	Clay.....	55	58	63	8.5	7,791	8,323	8,742	87
Bronx.....	12,872	13,602	14,590	7.3	10,835	11,424	12,223	37	Cleveland.....	864	898	962	7.1	10,171	10,416	11,126	39
Broome.....	2,766	2,897	3,063	5.7	13,094	13,692	14,532	17	Columbus.....	422	442	466	5.5	8,127	8,480	8,906	84
Cattaraugus.....	816	851	908	6.7	9,566	9,951	10,640	56	Craven.....	788	847	915	8.0	10,261	10,677	11,277	34
Cayuga.....	837	888	916	3.2	10,521	11,177	11,465	48	Cumberland.....	2,494	2,664	2,814	5.6	9,818	10,428	10,884	42
Chautauqua.....	1,627	1,670	1,744	4.4	11,243	11,618	12,182	38	Currituck.....	120	126	140	11.1	9,292	9,724	10,562	49
Chemung.....	1,066	1,096	1,153	5.2	11,526	12,003	12,735	33	Dare.....	163	184	217	18.1	10,075	10,643	11,575	28
Chenango.....	518	554	603	8.9	10,464	11,151	12,074	41	Davidson.....	1,247	1,326	1,407	6.1	10,614	11,180	11,904	24
Clinton.....	793	850	903	6.2	9,815	10,464	11,115	50	Davidson.....	309	336	377	12.4	11,514	12,113	12,945	17
Columbia.....	785	845	905	7.2	12,991	14,001	14,921	15	Duplin.....	316	323	373	15.3	7,580	7,760	8,305	85
Cortland.....	464	485	512	5.7	9,783	10,244	10,799	57	Durham.....	2,044	2,270	2,462	8.4	12,835	14,040	14,786	6
Delaware.....	446	464	498	7.3	9,584	9,931	10,587	54	Edgecombe.....	511	550	561	2.0	8,828	9,391	9,529	73
Dutchess.....	3,809	4,077	4,392	7.7	15,115	16,036	17,104	9	Forsyth.....	3,604	3,903	4,234	8.5	14,146	15,074	16,282	3
Erie.....	12,651	13,244	13,958	5.4	12,971	13,680	14,469	18	Franklin.....	273	307	326	5.9	8,575	9,378	9,551	72
Essex.....	377	396	426	7.5	10,394	10,908	11,720	47	Gaston.....	1,847	1,945	2,060	5.9	10,916	11,307	12,058	23
Franklin.....	406	433	457	5.5	9,301	9,930	10,422	59	Gates.....	88	90	95	5.1	9,583	9,598	10,011	59
Fulton.....	597	621	659	6.2	10,765	11,354	12,074	41	Graham.....	53	55	57	4.3	7,344	7,598	8,021	96
Genesee.....	711	743	776	4.5	12,059	12,689	13,194	26	Granville.....	338	357	380	6.4	9,326	9,728	10,172	55
Greene.....	464	496	528	6.5	11,281	11,811	12,530	34	Greene.....	132	131	136	3.6	7,991	7,928	8,233	93
Hamilton.....	55	59	64	8.0	11,365	11,968	12,797	31	Guilford.....	4,458	4,809	5,162	7.3	13,712	14,707	15,733	4
Herkimer.....	688	718	756	5.2	10,332	10,734	11,290	49	Halifax.....	479	508	542	6.6	8,562	9,084	9,711	66
Jefferson.....	902	977	1,077	10.2	10,252	11,011	11,880	44	Harnett.....	502	551	578	4.9	8,099	8,726	9,374	82
Kings.....	26,781	28,232	30,325	7.4	11,755	12,322	13,224	25	Haywood.....	487	514	546	6.2	10,235	10,721	11,276	35
Lewis.....	224	239	253	5.5	8,991	9,560	9,969	61	Henderson.....	788	839	902	7.5	12,149	12,669	13,413	11
Livingston.....	659	714	758	6.2	11,407	12,335	12,937	30	Hertford.....	209	218	229	5.1	8,779	9,103	9,494	74
Madison.....	724	765	808	5.6	10,973	11,563	12,135	40	Hoke.....	146	152	165	8.6	6,576	6,730	7,097	100
Monroe.....	10,726	11,472	12,176	6.1	15,261	16,364	17,330	8	Hyde.....	43	46	50	7.6	7,258	7,375	8,401	91
Montgomery.....	577	603	636	5.4	10,912	11,564	12,224	36	Iredell.....	1,003	1,066	1,163	9.2	11,604	12,194	13,130	13
Nassau.....	26,479	28,266	30,605	8.3	19,928	21,344	23,133	3	Jackson.....	231	244	261	6.9	8,546	9,054	9,736	64
New York.....	35,643	38,700	42,131	8.9	24,291	26,189	28,505	1	Johnston.....	788	824	874	4.7	9,734	10,248	10,559	50
Niagara.....	2,672	2,819	2,931	4.0	12,301	13,003	13,516	22	Jones.....	77	81	79	-2.1	7,870	7,882	8,166	94
Oneida.....	2,957	3,100	3,264	5.3	11,769	12,422	13,133	29	Lee.....	442	477	510	7.0	11,251	11,737	12,334	20
Onondaga.....	6,325	6,651	7,007	5.4	13,686	14,327	15,129	14	Lenoir.....	591	612	647	5.7	9,737	10,109	10,760	46
Ontario.....	1,132	1,213	1,277	5.3	12,438	13,285	13,856	20	Lincoln.....	467	501	531	6.0	10,493	10,975	11,532	30
Orange.....	3,660	3,980	4,278	7.5	13,424	14,418	15,186	13	McDowell.....	314	323	343	6.2	8,666	8,892	9,459	75
Orleans.....	433	460	484	5.1	11,239	11,907	12,420	35	Macon.....	218	233	249	6.6	9,555	10,107	10,820	44
Oswego.....	1,285	1,357	1,454	7.1	10,928	11,438	12,159	39	Madison.....	135	141	145	2.2	7,841	8,216	8,291	92
Otsego.....	622	656	704	7.3	10,518	11,151	11,893	43	Martin.....	249	262	274	4.5	9,324	9,630	10,321	52
Putnam.....	1,329	1,456	1,570	7.9	16,632	18,074	19,250	5	Mecklenburg.....	6,186	6,837	7,568	10.7	14,271	15,423	16,786	1
Queens.....	23,368	29,656	31,714	6.9	14,707	15,359	16,489	11	Mitchell.....	127	135	141	4.3	8,822	9,280	9,735	65
Rensselaer.....	1,803	1,910	2,044	7.0	11,944	12,645	13,472	23	Montgomery.....	207	217	236	9.0	8,751	9,108	9,846	63
Richmond.....	5,667	6,116	6,601	7.9	15,435	16,501	17,622	7	Moore.....	660	733	801	9.2	12,204	13,365	14,339	7
Rockland.....	4,500	4,875	5,304	8.8	17,102	18,431	19,949	4	Nash.....	800	861	938	8.9	11,408	12,144	13,130	13
St. Lawrence.....	1,034	1,079	1,130	4.7	9,167	9,569	10,015	60	New Hanover.....	1,209	1,335	1,461	9.4	10,959	11,891	12,796	17
Saratoga.....	1,990	2,158	2,334	8.1	12,574	13,443	14,225	19	Northampton.....	204	212	229	7.9	9,133	9,476	10,195	54
Schenectady.....	2,120	2,248	2,391	6.4	14,151	15,018	15,921</										

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³								
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State					
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986						
Stokes	346	369	387	4.8	9,896	10,426	10,820	44	Clermont	1,478	1,625	1,693	4.2	10,853	11,740	12,043	46					
Surry	623	666	697	4.8	10,289	10,922	11,274	36	Erie	385	409	429	4.9	11,094	11,800	12,345	42					
Swain	75	82	88	6.4	6,952	7,680	8,027	95	Columbiana	1,041	1,071	1,095	2.8	9,312	9,640	9,943	77					
Transylvania	267	283	298	3.4	10,702	11,247	11,327	33	Coshocton	386	391	402	1.2	10,647	10,907	11,211	62					
Tyrrell	27	30	30	-4	6,557	7,188	7,117	99	Crawford	523	540	547	1.2	10,629	10,987	11,165	63					
Union	898	986	1,084	10.0	11,733	12,607	13,594	10	Cuyahoga	21,699	22,739	23,926	5.2	14,834	15,640	16,594	1					
Vance	334	359	382	6.6	8,885	9,355	9,881	62	Darke	602	637	664	4.2	11,164	11,788	12,292	43					
Wake	4,886	5,554	6,091	9.7	14,441	15,630	16,666	2	Defiance	441	467	492	5.4	11,497	11,952	12,565	40					
Warren	135	140	144	3.3	8,206	8,503	8,672	89	Delaware	720	799	842	5.3	12,714	13,915	14,266	13					
Washington	126	126	134	6.0	8,686	8,633	9,299	76	Erie	945	1,008	1,044	3.6	12,164	13,024	13,543	17					
Watauga	285	307	334	8.8	8,402	8,966	9,678	69	Fairfield	1,133	1,217	1,273	4.6	11,863	12,637	13,077	27					
Wayne	969	1,000	1,065	6.5	9,825	10,122	10,882	43	Fayette	274	297	304	2.4	9,959	10,816	10,997	66					
Wilkes	602	621	677	9.1	9,942	10,208	11,168	38	Franklin	11,914	12,843	13,739	7.0	13,363	14,304	15,148	5					
Wilson	705	751	794	5.8	10,916	11,652	12,316	21	Fulton	457	486	511	5.3	11,953	12,631	13,170	23					
Yadkin	294	318	336	5.5	10,048	10,831	11,342	32	Gallia	293	304	314	3.3	9,759	10,096	10,523	71					
Yancey	113	125	142	13.9	7,389	7,968	8,950	83	Geauga	1,079	1,169	1,232	5.4	14,476	15,631	16,322	2					
North Dakota	7,930	8,190	8,447	3.1	11,547	11,958	12,437		Greene	1,633	1,746	1,876	7.5	12,661	13,470	14,403	11					
Metropolitan portion	2,984	3,114	3,266	4.9	11,992	12,385	12,917		Guernsey	400	412	426	3.4	9,667	10,075	10,581	70					
Nonmetropolitan portion	4,947	5,076	5,181	2.1	11,294	11,710	12,153		Hamilton	12,375	13,034	14,030	7.6	14,303	15,062	16,217	3					
Adams	43	41	45	8.7	12,146	11,265	12,548	22	Hancock	934	973	1,036	6.6	14,252	14,752	15,731	4					
Barnes	160	152	161	6.3	11,712	11,335	12,241	29	Hardin	322	331	347	4.8	10,155	10,433	10,966	67					
Benson	79	83	80	-3.1	10,095	10,607	10,310	48	Harrison	165	152	157	3.5	9,724	9,094	9,600	79					
Billings	16	14	16	14.4	12,595	11,034	12,303	21	Henry	350	362	370	2.3	12,341	12,729	13,005	28					
Bottineau	108	126	121	-4.0	11,607	13,517	13,144	16	Highland	337	352	375	6.3	9,856	10,240	10,814	68					
Bowman	51	47	53	12.4	11,793	10,904	12,431	26	Hocking	223	236	246	4.3	9,012	9,586	9,983	75					
Burke	44	43	51	17.3	11,727	11,759	14,007	3	Holmes	240	248	261	5.2	7,898	8,094	8,687	87					
Burleigh	758	786	810	3.0	12,841	13,135	13,422	14	Huron	639	683	715	3.9	11,622	12,546	12,970	31					
Cass	1,209	1,273	1,344	5.6	12,802	13,208	13,788	10	Jackson	270	278	290	4.4	8,908	9,155	9,669	78					
Cavalier	90	105	95	-9.1	12,801	14,965	13,837	8	Jefferson	938	938	963	2.7	10,719	10,818	11,240	61					
Dickey	80	83	85	1.9	11,294	11,822	12,141	1	Knox	507	535	552	3.3	10,732	11,244	11,605	52					
Divide	40	38	50	32.6	11,771	11,322	15,443	31	Lake	2,930	3,098	3,206	3.5	13,728	14,579	15,088	6					
Dunn	43	42	44	6.3	8,211	8,382	9,081	52	Lawrence	534	554	557	3.5	8,435	8,868	9,566	85					
Eddy	39	41	44	5.9	11,712	12,709	13,311	9	Licking	1,478	1,562	1,649	5.6	11,930	12,536	13,151	25					
Emmons	52	52	58	13.2	9,088	9,044	10,347	47	Logan	427	450	475	5.6	10,777	11,275	11,825	47					
Foster	56	55	56	2.4	12,129	11,966	12,436	24	Lorain	3,081	3,280	3,296	5	Lucas	6,142	6,485	6,850	5.6	13,259	14,018	14,822	8
Golden Valley	30	28	33	16.8	11,436	11,236	13,461	12	Madison	354	390	394	1.1	10,298	11,218	11,312	59					
Grand Forks	752	788	831	5.5	10,888	11,367	11,976	33	Mahoning	3,203	3,362	3,445	2.4	11,412	12,058	12,454	41					
Grant	35	38	41	9.4	8,215	8,918	9,789	49	Marion	696	709	724	2.0	10,461	10,732	11,082	65					
Griggs	41	46	43	-6.9	11,130	12,570	11,854	34	Medina	1,491	1,595	1,678	5.2	12,911	13,764	14,364	12					
Hettinger	53	50	55	10.8	12,718	12,260	13,888	6	Meigs	205	214	221	3.3	8,656	8,976	9,241	82					
Kidder	30	28	34	21.4	7,718	7,446	9,167	51	Mercer	471	484	520	7.3	12,227	12,468	13,337	20					
La Moure	68	62	64	2.6	10,840	10,018	10,460	45	Miami	1,086	1,174	1,220	3.9	12,194	13,181	13,618	16					
Logan	30	29	33	13.1	9,072	8,958	10,482	42	Monroe	174	177	184	4.4	10,415	10,742	11,386	57					
McHenry	76	84	83	-7	9,899	11,007	11,111	42	Montgomery	7,503	8,031	8,477	5.6	13,301	14,213	14,970	7					
McIntosh	48	48	54	13.9	10,476	10,498	12,161	30	Morgan	140	147	151	3.0	9,879	10,331	10,609	69					
McKenzie	88	86	88	1.9	10,095	10,033	10,387	46	Morrow	260	278	278	7.2	9,716	10,294	10,309	72					
McLean	142	154	158	2.9	11,029	12,291	12,944	19	Muskingum	891	929	963	3.7	10,561	11,029	11,445	55					
Mercer	185	165	156	-5.5	12,599	11,321	11,253	41	Noble	105	109	109	-2	9,359	9,504	9,419	81					
Morton	264	267	281	5.2	10,070	10,310	10,961	43	Ottawa	521	558	583	4.6	13,108	14,017	14,607	10					
Mountrail	78	85	101	18.6	9,594	10,554	12,509	23	Paulding	225	235	245	4.4	10,824	11,276	11,712	51					
Nelson	70	71	68	-3.1	13,654	14,066	13,971	5	Perry	265	295	305	3.2	9,063	9,817	9,592	80					
Oliver	27	28	31	9.5	10,035	10,258	11,638	36	Pickaway	455	493	509	3.4	10,676	10,958	11,389	56					
Pembina	134	138	137	-1	12,975	13,288	13,325	15	Pike	205	217	227	4.4	8,218	8,640	9,058	84					
Pierce	66	69	69	-1	10,956	11,664	11,347	35	Portage	1,570	1,655	1,726	4.3	11,491	12,119	12,597	39					
Ramsey	168	181	176	-2.7	12,882	13,944	13,755	11	Preble	425	443	462	4.2	10,971	11,349	11,743	49					
Ransom	71	72	74	2.8	10,777	10,969	11,486	38	Putnam	395	412	442	7.4	11,791	12,352	13,234	22					
Renville	46	50	50	-1.7	12,505	13,806	13,991	4	Richland	1,534	1,633	1,695	3.8	11,352	12,617	13,160	24					
Richland	210	228	235	3.1	10,800	12,022	12,931	27	Ross	692	738	760	2.9	10,261	10,884	11,292	60					
Rolette	105	112	122	8.0	7,800	8,618	9,316	50	Sandusky	789	817	867	6.2	12,657	13,139	13,928	14					
Sargent	63	69	64	-8.2	11,820	13,152	12,274	28	Scioto	757	788	823	4.5	8,973	9,458	10,003	74					
Sheridan	31	36	35	-1.9	11,432	13,404	13,445	13	Seneca	694	705	723	2.5	11,278	11,392	11,742	50					
Sioux	23	24	27	12.0	6,270	6,513	7,112	53	Shelby	497	536	565	5.4	11,438	12,229	12,838	34					
Slope	13	10	13	35.8	10,644	8,214	11,524	37	Stark	4,584	4,757	4,896	2.9	12,202	12,702	13,108	26					
Stark	294	291	290	-3	10,863	10,997	11,314	40	Summit	6,716	7,108	7,496	5.5	13,109	13,971	14,762	9					
Steele	40	35	33	-7.8	13,458	12,212	11,441	39	Trumbull	2,875	2,945											

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Canadian	887	928	986	.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	1,299	1,271	2.6	9,592	10,267	10,528	44	Marion	2,968	2,523	2,678	6.2	11,164	11,804	12,436	12
Cotton	68	75	79	5.5	9,294	10,271	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	17,159	16,349	14,962	5
Creek	728	758	758	-6	10,607	10,922	10,878	35	Polk	481	523	547	4.5	10,612	11,573	11,692	25
Custer	329	390	342	3.7	10,607	10,850	11,380	28	Sherman	38	34	38	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	10,935	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	33	Washington	3,823	4,047	4,378	8.2	14,492	15,090	16,133	3
Grant	102	92	106	16.2	15,082	13,783	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	10,366	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	9,438	10,160	10,732	39	Allegheny	19,808	20,716	21,769	5.1	14,057	14,952	15,848	5
Jefferson	78	77	79	2.3	9,463	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	11,160	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	9,837	10,540	10,917	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	1,833	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
McCurtain	273	280	308	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	5,399	5,827	6,248	7.2	15,961	17,393	18,424	2
Majors	110	106	107	1.1	11,565	11,370	11,802	22	Clarion	442	455	473	4.0	10,320	10,696	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	9,580	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	10,236	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
Okfuskee	99	102	102	.3	8,315	8,740	8,815	65	Delaware	8,604	9,339	9,923	6.3	15,572	16,806	17,701	3
Oklahoma	8,732	8,992	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	9,595	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	8,444	8,918	53	Junata	204	217	230	6.1	10,237	10,880	11,467	42
Rogers	616	642	659	2.8	11,378	11,634	11,837	21	Lackawanna	2,597	2,775	2,934	5.7	11,569	12,422	13,157	18
Seminole	296	303	292	-3.8	10,151	10,409	10,052	51	Lancaster	4,967	5,359	5,777	7.8	12,988	13,836	14,680	11
Sequoyah	263	279	294	5.6	7,851	8,133	8,436	68	Lawrence	1,067	1,102	1,133	2.9	10,129	10,706	11,119	47
Stephens	519	534	510	-4.5	11,357	11,881	11,448	26	Lebanon	1,247	1,327	1,400	5.5	11,223	11,901	12,509	26
Texas	242	271	276	1.9	13,197	14,889	15,311	5	Lehigh	3,942	4,193	4,415	5.3	14,221	15,004	15,685	7
Tillman	109	120	123	2.6	9,228	10,321	10,865	36	Luzerne	3,755	3,988	4,215	5.7	11,194	11,997	12,729	23
Tulsa	7,371	7,761	7,841	1.0	14,337	15,158	15,165	6	Lycoming	1,272	1,342	1,424	6.1	10,857	11,535	12,237	30
Wagoner	507	536	539	.5	10,176	10,690	10,684	41	McKean	538							

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Wayne.....	402	442	467	5.6	10,677	11,602	12,059	33	Fall River.....	89	89	91	2.1	11,168	11,368	11,737	24
Westmoreland.....	4,650	4,796	4,957	3.4	12,000	12,499	13,009	19	Faulk.....	39	33	40	22.4	12,294	10,633	13,070	9
Wyoming.....	283	308	330	7.0	10,325	11,185	11,858	37	Grant.....	92	99	104	5.2	9,792	10,762	11,826	28
York.....	4,390	4,687	4,949	5.6	13,640	14,511	15,156	8	Gregory.....	56	54	63	15.8	9,489	9,289	10,920	45
Rhode Island.....	12,505	13,265	14,195	7.0	13,024	13,720	14,560		Haakon.....	37	29	39	36.0	12,887	9,911	13,892	4
Metropolitan portion.....	11,337	11,997	12,803	6.7	12,932	13,591	14,385		Hamlin.....	49	52	54	3.8	9,374	9,919	10,259	49
Nonmetropolitan portion.....	1,168	1,268	1,392	9.7	13,993	15,076	16,404		Hand.....	54	53	63	19.5	11,326	11,054	13,514	8
Bristol.....	680	730	810	11.1	14,465	15,419	17,003	1	Hanson.....	24	28	29	2.1	7,281	8,590	8,812	59
Kent.....	2,123	2,253	2,410	6.9	13,527	14,273	15,112	4	Harding.....	20	13	20	56.5	10,897	7,100	11,218	36
Newport.....	1,168	1,268	1,392	9.7	13,993	15,076	16,404	2	Hughes.....	177	181	188	3.9	11,991	12,124	12,599	13
Providence.....	7,214	7,592	8,044	6.0	12,529	13,118	13,828	5	Hutchinson.....	82	97	101	4.4	9,003	10,925	11,722	27
Washington.....	1,321	1,422	1,540	8.3	13,620	14,392	15,204	3	Hyde.....	21	16	22	38.5	10,540	8,194	11,538	31
South Carolina.....	33,476	35,797	38,102	6.4	10,158	10,739	11,287		Jackson.....	25	17	26	52.9	7,440	5,087	7,338	61
Metropolitan portion.....	21,386	22,987	24,561	6.9	10,802	11,481	12,082		Jerauld.....	24	25	28	11.7	8,592	8,742	9,910	53
Nonmetropolitan portion.....	12,090	12,810	13,541	5.7	9,190	9,621	10,085		Jones.....	24	19	20	9.3	15,809	12,594	13,325	5
Abbeville.....	197	206	219	6.4	8,657	9,092	9,685	26	Kingsbury.....	66	76	74	-1.6	10,111	11,707	11,727	26
Aiken.....	1,253	1,359	1,431	5.3	11,129	11,757	12,074	7	Lake.....	106	120	126	5.3	9,913	11,087	11,678	29
Allendale.....	83	89	91	2.5	7,810	8,400	8,563	40	Lawrence.....	201	208	219	4.9	10,533	10,810	11,247	35
Anderson.....	1,363	1,452	1,537	5.9	9,997	10,411	10,922	16	Lincoln.....	149	176	176	-1.1	10,448	12,243	12,271	19
Bamberg.....	132	135	140	3.6	7,172	7,427	7,701	42	Lyman.....	41	32	42	29.1	10,533	8,447	11,181	38
Barnwell.....	194	208	218	4.5	9,558	10,093	10,388	20	McCook.....	58	66	68	3.8	9,281	10,681	11,208	37
Beaufort.....	949	1,069	1,151	7.7	12,132	13,294	13,843	1	McPherson.....	35	31	40	30.2	9,327	8,293	11,013	43
Berkeley.....	1,016	1,115	1,204	7.9	9,002	9,426	9,726	25	Marshall.....	59	68	64	-6.6	11,271	13,284	12,680	12
Calhoun.....	112	113	118	4.1	9,258	9,301	9,672	27	Meade.....	209	210	231	10.2	9,279	9,088	9,842	55
Charleston.....	3,103	3,287	3,466	5.4	10,673	11,501	12,106	6	Mellette.....	17	16	19	25.3	7,418	6,712	8,463	60
Cherokee.....	423	452	486	7.7	10,384	11,011	11,849	9	Miner.....	33	37	40	10.7	9,112	10,344	11,659	30
Chester.....	271	281	292	4.0	8,879	9,177	9,523	28	Minnehaha.....	1,495	1,590	1,677	5.5	12,615	13,084	13,675	7
Chesterfield.....	339	351	382	3.7	8,816	9,099	9,884	24	Moody.....	63	74	74	3	9,190	10,989	11,105	40
Clarendon.....	201	208	213	2.5	7,198	7,418	7,559	44	Pennington.....	874	906	965	6.5	11,579	11,864	12,544	14
Colleton.....	270	283	298	5.3	8,034	8,314	8,625	39	Perkins.....	57	51	61	19.2	12,169	10,834	13,068	10
Darlington.....	549	570	597	4.7	8,558	8,860	9,285	33	Potter.....	48	40	53	31.4	12,785	10,746	14,332	2
Dillon.....	228	238	253	6.3	7,080	7,304	7,819	41	Roberts.....	95	108	108	4.8	8,716	9,853	9,854	54
Dorchester.....	706	767	813	6.0	10,082	10,528	10,748	18	Sabern.....	26	30	31	2.1	8,517	9,985	10,261	48
Edgefield.....	150	160	164	2.7	8,389	8,946	9,097	35	Shannon.....	45	46	49	5.9	9,379	9,708	8,855	66
Fairfield.....	188	200	210	5.8	8,976	9,406	9,911	23	Spink.....	114	121	126	4.3	12,739	13,583	14,123	3
Florence.....	1,096	1,162	1,227	5.6	9,580	10,045	10,576	19	Stanley.....	30	28	32	15.0	11,987	11,020	12,173	21
Georgetown.....	439	440	468	6.5	9,505	9,512	9,963	22	Sully.....	41	34	41	21.7	21,815	18,247	21,265	1
Greenville.....	3,512	3,784	4,098	8.3	11,707	12,487	13,378	2	Todd.....	43	41	45	9.7	5,987	6,121	6,648	65
Greenwood.....	622	641	685	6.8	10,828	11,052	11,804	10	Tripp.....	77	69	83	21.1	10,647	9,482	11,529	32
Hampton.....	159	162	169	3.9	8,513	8,716	8,943	37	Turner.....	87	108	108	5	9,602	12,117	12,449	18
Horry.....	1,245	1,368	1,470	7.5	10,325	10,816	11,255	13	Union.....	110	136	131	-3.5	10,285	12,998	12,527	16
Jasper.....	123	130	139	7.3	8,247	8,706	9,305	32	Walworth.....	80	73	84	14.3	11,858	10,941	12,491	17
Kershaw.....	434	452	478	5.8	10,521	10,731	11,220	14	Yankton.....	196	208	221	6.0	10,267	10,989	11,734	25
Lancaster.....	525	542	562	3.6	9,549	9,785	10,222	21	Ziebach.....	21	18	23	27.5	8,622	7,159	9,023	58
Laurens.....	522	548	583	6.4	9,878	10,302	10,904	17	Tennessee.....	50,360	53,864	57,609	7.0	10,649	11,298	11,995	
Lee.....	126	133	131	-1.7	6,751	7,131	6,950	46	Metropolitan portion.....	36,330	39,118	42,035	7.5	11,544	12,316	13,107	
Lexington.....	1,751	1,993	2,173	9.1	11,393	12,553	12,778	4	Nonmetropolitan portion.....	14,030	14,747	15,574	5.6	8,870	9,287	9,760	
McCormick.....	65	67	69	2.0	7,719	8,146	8,420	31	Anderson.....	769	803	845	5.2	11,111	11,653	12,282	7
Marion.....	274	286	303	5.8	7,864	8,244	8,758	38	Bedford.....	294	309	331	6.9	10,271	10,719	11,350	16
Marlboro.....	290	292	297	2.4	7,135	7,248	7,479	45	Benton.....	134	141	145	2.8	8,911	9,397	9,610	49
Newberry.....	338	349	366	4.8	10,608	10,942	11,401	12	Bledsoe.....	69	73	77	4.8	7,283	7,611	7,994	80
Oconee.....	524	579	616	6.4	10,335	11,177	11,599	11	Blount.....	881	930	989	6.3	10,894	11,392	11,893	10
Orangeburg.....	713	761	803	5.5	8,396	8,807	9,189	34	Bradley.....	709	765	821	7.4	10,032	10,667	11,361	15
Pickens.....	846	915	973	6.3	10,022	10,700	11,114	15	Campbell.....	276	287	300	4.5	7,776	8,059	8,436	76
Richland.....	3,168	3,343	3,572	6.9	11,341	12,064	13,009	3	Cannon.....	96	103	106	3.0	9,070	9,589	9,833	45
Saluda.....	142	148	155	4.9	8,332	8,623	9,038	36	Carroll.....	256	258	271	5.0	9,017	9,153	9,629	48
Spartanburg.....	2,269	2,393	2,554	6.5	10,871	11,329	12,012	8	Carter.....	411	431	450	4.4	7,941	8,398	8,771	70
Sumter.....	799	853	899	5.3	8,576	9,035	9,461	30	Cheatham.....	217	248	245	-1.3	9,339	10,351	9,907	39
Union.....	258	279	288	3.3	8,359	9,134	9,518	29	Chester.....	106	112	116	3.7	8,305	8,740	8,970	63
Williamsburg.....	269	278	290	4.5	6,983	7,187	7,579	43	Claborn.....	222	231	241	4.5	8,407	8,594	8,953	68
York.....	1,283	1,412	1,513	7.2	11,184	11,985	12,527	5	Clay.....	53	58	61	5.4	6,717	7,305	7,705	84
South Dakota.....	7,483	7,813	8,357	7.0	10,612	11,032	11,804		Cocke.....	212	217	229	5.6	7,247	7,410	7,839	82
Metropolitan portion.....	2,369	2,496	2,642	5.9	12,212	12,613	13,239		Coffee.....	423	455	491	8.0	10,505	11,158	11,890	11
Nonmetropolitan portion.....	5,114	5,318	5,715	7.5	10,004	10,419	11,240		Crockett.....	119	129	133	2.9				

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

Area name	Total personal income				Per capita personal income ^a				Area name	Total personal income				Per capita personal income ^a			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Hickman	186	148	152	3.1	8,647	9,265	9,302	56	Callahan	130	137	136	-1	10,306	10,932	10,715	188
Houston	58	63	63	-6	8,312	8,983	8,883	67	Cameron	1,684	1,799	1,854	3.1	6,822	7,138	7,205	245
Humphreys	149	155	158	1.8	9,395	9,729	9,854	42	Camp	128	133	136	2.0	12,829	13,290	13,076	69
Jackson	66	68	71	4.0	7,037	7,352	7,654	87	Carson	93	99	101	1.4	13,251	14,548	14,754	28
Jefferson	279	293	308	5.1	8,223	8,872	9,229	58	Cass	319	340	337	-1.0	10,454	11,151	10,933	177
Johnson	96	102	104	2.3	6,762	7,262	7,361	89	Castro	126	104	100	-4.5	12,140	10,109	9,705	222
Knox	3,808	4,053	4,372	7.9	11,544	12,306	13,271	5	Chambers	231	236	225	-4.7	11,937	12,038	11,398	151
Lake	54	55	58	7.0	6,600	6,941	7,158	83	Cherokee	424	455	466	2.3	10,712	11,449	11,579	144
Lauderdale	200	211	221	5.1	8,110	8,455	8,901	66	Childress	77	74	75	1.3	11,398	11,440	11,747	136
Lawrence	332	342	351	2.8	9,598	9,817	10,054	35	Clay	118	123	124	-8	11,571	12,701	12,704	89
Lewis	65	71	72	5	6,255	6,864	6,893	92	Cochran	52	53	49	-6.5	11,059	11,063	10,653	191
Lincoln	249	272	286	5.4	9,344	10,082	10,562	27	Coke	43	44	45	-3	11,827	12,646	12,932	76
Loudon	284	295	310	5.1	9,445	9,721	10,132	33	Coleman	108	119	117	-1.8	10,086	11,403	11,376	152
McMinn	394	416	445	6.9	9,165	9,640	10,298	31	Collin	3,117	3,643	3,914	7.4	17,089	18,602	18,584	4
McNairy	184	200	212	6.4	7,905	8,513	9,039	60	Collingsworth	41	41	44	6.4	9,646	10,286	10,969	174
Macon	133	133	138	3.6	8,442	8,369	8,715	71	Colorado	250	252	252	0	12,436	12,507	12,578	92
Madison	775	824	877	6.5	10,112	10,589	11,235	20	Comal	628	703	737	4.9	14,238	15,039	14,954	25
Marion	208	222	233	4.9	8,444	8,987	9,409	54	Comanche	146	149	158	5.8	11,150	11,539	12,151	115
Marshall	222	226	237	4.9	10,909	10,929	11,349	17	Concho	31	35	36	1.8	10,406	12,560	12,895	77
Maury	530	557	596	7.0	10,135	10,456	11,052	21	Cooke	336	346	355	2.8	11,659	11,872	12,018	120
Meigs	64	66	71	6.9	8,260	8,499	8,960	64	Coryell	536	584	612	4.8	9,372	9,997	10,342	199
Monroe	230	246	263	7.0	7,664	8,141	8,619	73	Cottle	36	36	34	-7.2	13,190	13,732	13,200	63
Montgomery	843	911	967	6.1	9,681	10,139	10,609	26	Crane	68	66	61	-8.0	13,059	13,388	12,588	91
Moore	42	42	45	5.8	8,600	8,459	9,014	62	Crockett	55	57	58	1.4	11,333	12,112	12,401	100
Morgan	117	122	129	5.6	6,838	7,233	7,701	85	Crosby	87	94	92	-2.5	10,131	11,257	11,131	187
Obion	336	349	374	7.0	10,122	10,512	11,312	18	Culberson	34	32	32	-8	9,642	9,562	9,724	221
Overton	120	123	130	5.4	6,701	6,918	7,276	90	Dallas	69	79	77	-2.5	10,234	11,857	11,923	125
Perry	57	59	61	4.1	8,717	9,052	9,530	51	Dallas	28,419	30,953	32,216	4.1	16,369	17,257	17,574	8
Pickett	27	29	30	2.7	5,967	6,401	6,577	94	Dawson	175	192	177	-7.8	10,855	11,785	10,994	172
Polk	118	124	131	6.2	8,571	9,060	9,579	50	Deaf Smith	236	245	261	6.7	11,356	12,180	13,223	61
Putnam	465	502	544	8.2	9,268	9,917	10,630	23	Delta	47	50	51	2.6	9,448	10,527	10,863	179
Rhea	230	246	264	7.6	9,278	9,958	10,623	24	Denton	2,907	3,378	3,612	6.9	16,660	17,908	17,678	7
Roane	508	528	562	6.6	10,201	10,614	11,379	14	De Witt	208	219	227	3.3	10,262	10,951	11,264	160
Robertson	360	383	395	3.1	9,314	9,704	9,861	41	Dickens	30	30	30	-8	9,516	9,774	10,238	203
Rutherford	1,014	1,151	1,246	8.3	10,700	11,670	12,126	8	Dimmit	70	67	68	2.3	5,874	5,663	5,806	251
Scott	139	148	155	5.1	6,806	7,127	7,494	88	Donley	46	50	52	3.9	11,002	12,499	12,890	78
Sequatchie	64	69	73	6.1	7,334	7,735	8,131	78	Duval	113	129	121	-5.9	8,511	9,603	8,940	236
Sevier	428	447	476	6.6	9,316	9,588	10,194	32	Eastland	199	208	208	6.4	9,498	10,146	10,125	204
Shelby	9,859	10,556	11,339	7.4	12,406	13,135	14,006	3	Ector	1,691	1,822	1,644	-9.7	12,596	13,582	12,348	106
Smith	142	150	156	3.4	9,732	10,349	10,623	24	Edwards	23	21	23	8.6	10,593	10,349	11,781	137
Stewart	76	82	82	.2	8,365	8,836	8,831	68	Ellis	882	993	1,020	2.7	12,781	13,463	13,093	67
Sullivan	1,521	1,629	1,718	5.4	10,439	11,189	11,739	12	El Paso	4,616	4,906	5,153	5.0	8,580	8,931	9,177	232
Sumner	1,035	1,143	1,219	6.7	11,286	12,169	12,612	6	Erath	294	315	333	6.0	11,862	12,609	13,391	55
Tipton	315	338	353	4.7	9,074	9,594	9,842	43	Falls	172	178	177	-4	9,459	10,047	10,044	208
Trousdale	53	54	51	-6.1	9,301	9,267	8,606	75	Fannin	264	271	281	3.7	10,656	11,051	11,340	153
Unicoi	151	154	159	3.2	8,960	9,126	9,416	53	Fayette	257	287	296	3.0	12,915	14,057	14,345	37
Union	86	90	94	4.7	7,071	7,341	7,676	86	Fisher	55	51	59	-2.6	9,610	10,637	10,757	182
Van Buren	35	36	38	5.1	7,262	7,468	7,980	81	Floyd	90	97	91	-5.6	9,831	10,720	10,257	202
Warren	308	320	342	6.8	9,251	9,559	10,325	30	Foard	26	26	26	5	13,565	13,846	14,116	43
Washington	967	1,032	1,083	4.9	10,524	11,148	11,639	13	Fort Bend	2,732	2,846	2,904	2.1	15,355	15,239	14,916	26
Wayne	117	118	122	3.9	8,318	8,325	8,650	72	Franklin	82	89	94	6.2	11,361	12,374	12,310	83
Weakley	291	307	330	7.3	8,765	9,241	9,964	36	Freestone	174	184	184	9.1	10,362	10,741	10,719	187
White	185	193	200	4.0	9,324	9,695	9,945	38	Frio	100	103	105	1.7	6,935	7,154	7,271	243
Williamson	1,016	1,164	1,270	9.1	15,300	16,948	17,613	1	Gaines	163	150	138	-8.0	11,448	10,259	9,362	230
Wilson	670	753	766	1.7	11,087	12,047	11,949	9	Galveston	2,843	2,963	2,943	-7	13,353	13,857	13,700	50
Texas	205,505	221,075	224,966	1.8	12,781	13,494	13,486		Garza	56	56	54	-3.8	10,103	10,186	9,907	210
Metropolitan portion	171,323	184,671	188,370	2.0	13,271	13,986	13,982		Gillespie	209	232	242	4.5	13,635	15,000	15,334	18
Nonmetropolitan portion	34,182	36,403	36,596	.5	10,785	11,450	11,403		Glasscock	22	24	20	-15.1	17,445	19,256	16,195	13
Goliad	63	69	69	-6	11,088	12,147	12,131	116	Gonzales	191	205	216	5.3	10,179	10,952	11,609	142
Anderson	447	469	476	1.6	9,757	10,077	10,098	206	Gray	387	394	385	-2.3	14,167	14,615	14,673	31
Andrews	218	225	205	-8.6	13,777	13,663	12,307	110	Grayson	1,166	1,243	1,295	4.2	12,231	12,835	13,177	65
Angelina	756	805	820	1.8	11,051	11,711	11,821	131	Gregg	1,350	1,437	1,432	-4	12,062	12,825	12,743	86
Aransas	188	206	210	1.7	10,883	11,716	11,719	133	Grimes	174	187	189	-8	9,450	9,823	9,837	212
Archer	102	109	113	3.8	12,875	13,939	14,288	40	Guadalupe	606	675	704	4.3	11,396	12,288	12,346	107
Armstrong	29	33	35	4.3	15,517	17,650	17,969	6	Hale	405	405	403	-6	10,756	10,952	10,933	177
Atascosa	257	277	286	3.2	9,188	9,750	9,807	214	Hall	505	57	55	-3.6	11,558	11,817	11,851	129
Austin	285	301	305	1.5	13,918	14,493	14,673	30	Hamilton	88	96	101	5.3	10,717	12,183	12,966	74
Bailey	103	115	107	-7.5	12,405	13,944	13,046	71	Hansford	111	123	128	3.7	17,170	18,854	19,934	3
Bandera	109	120	125	4.7	12,914	13,314	13,309	60	Hardeman	78	78	77	-8	11,876	12,145	12,391	104
Bastrop	332	382	381	-3	10,391	11,146	10,457	196	Hardin	478	492	488	-8	11,004	11,486	11,460	148
Baylor	68	65	67	3.1	13,537	13,814	14,546	35	Harris	41,212	43,075	42,681	-9	14,823	15,473	15,252	20
Bee	250	265	262	-1.4	8,957	9,841	9,766	218	Harrison	599	633	644	1.8	10,406</			

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986	
Irion	23	27	28	5.3	12,424	13,682	14,315	39	Schleicher	38	36	35	-2.6	11,652	11,764	11,617	141
Jack	86	91	88	-3.6	11,105	11,935	11,716	139	Sherry	234	262	253	-3.3	11,728	13,143	12,831	81
Jackson	163	170	164	-3.3	11,926	12,566	12,248	113	Shackelford	51	54	52	-4.7	12,605	13,831	13,195	64
Jasper	333	345	344	-3.3	10,336	10,741	10,723	186	Shelby	229	242	256	5.9	9,527	10,118	10,780	181
Jeff Davis	20	18	19	5.9	11,682	10,223	10,665	190	Sherman	69	73	74	1.9	22,268	23,092	23,733	2
Jefferson	3,351	3,392	3,334	-1.7	13,094	13,392	13,345	59	Smith	1,929	2,066	2,129	3.0	13,198	13,728	13,997	46
Jim Hogg	52	50	51	2.4	9,628	9,169	9,260	231	Somervell	52	57	60	6.7	11,408	12,566	12,411	98
Jim Wells	373	392	365	-6.8	9,320	9,771	9,063	234	Starr	147	149	149	4	4,398	4,315	4,136	254
Johnson	1,019	1,136	1,172	3.2	12,287	12,991	12,724	88	Stephens	109	116	119	2.0	10,281	11,085	11,239	163
Jones	204	220	215	-2.4	11,136	12,146	11,755	133	Sterling	15	15	16	6.4	9,389	9,422	9,762	219
Karnes	126	131	130	-9	9,170	9,835	9,762	219	Stonewall	29	29	29	-1	11,770	12,349	12,559	93
Kaufman	572	641	670	4.4	12,126	13,049	12,814	82	Sutton	57	58	54	-3	10,436	10,946	10,531	195
Kendall	203	230	239	3.6	15,206	16,700	16,271	11	Swisher	115	109	112	3.0	12,808	12,138	12,418	97
Kenedy	7	7	8	15.7	11,216	11,208	13,702	49	Tarrant	14,642	16,269	16,905	3.9	14,200	15,352	15,346	17
Kent	12	13	13	1.3	9,357	10,674	11,494	146	Taylor	1,527	1,643	1,646	2	12,481	13,369	13,078	68
Kerr	476	528	547	3.7	14,400	15,181	15,261	19	Terrell	23	22	24	6.9	14,610	14,594	15,595	15
Kimble	50	55	56	1.8	11,625	13,007	13,003	73	Terry	164	172	160	-7.1	10,655	11,260	10,590	192
King	4	3	3	11.3	10,696	6,978	7,594	242	Throckmorton	27	31	31	-1.2	11,423	14,511	14,600	33
Kinney	24	27	28	3.7	9,956	11,296	11,418	150	Titus	245	259	278	7.1	10,713	11,290	11,882	128
Kleberg	336	362	348	-3.9	9,615	10,530	10,307	200	Tom Green	1,175	1,250	1,282	2.6	12,126	12,303	13,065	70
Knox	65	59	59	7	11,461	10,656	11,024	171	Travis	7,110	7,997	8,355	4.5	14,175	14,982	15,164	23
Lamar	453	518	539	4.0	10,817	11,587	11,967	122	Trinity	103	113	115	1.6	9,018	9,679	9,664	223
Lamb	243	240	232	-3.2	13,858	14,171	14,062	44	Tyler	200	211	215	1.8	11,073	11,402	11,499	145
Lampasas	138	149	155	3.9	10,252	10,814	10,940	176	Upshur	322	343	347	1.3	9,998	10,702	10,734	185
La Salle	37	40	40	-2	6,341	6,984	7,109	246	Upton	62	64	59	-7.8	11,401	11,513	10,670	189
Lavaca	225	239	236	-1.0	12,112	12,959	12,784	35	Uvalde	221	233	237	2.0	9,081	9,526	9,632	224
Lee	158	173	167	-3.1	11,752	12,782	12,097	118	Val Verde	302	322	329	2.4	7,650	8,141	8,239	240
Leon	141	154	160	3.7	11,872	12,187	12,480	96	Van Zandt	404	446	456	2.3	11,132	11,933	11,840	130
Liberty	581	605	587	-3.0	10,736	11,199	10,735	184	Victoria	989	1,040	1,017	-2.2	13,231	13,811	13,384	56
Limestone	220	245	237	-3.4	10,462	11,460	11,166	165	Walker	462	522	531	1.7	9,108	10,099	9,854	211
Lipscomb	53	53	53	2	12,900	13,823	14,572	34	Waller	244	254	264	3.9	10,506	10,821	11,264	160
Live Oak	103	112	104	-7.4	10,665	11,866	10,951	175	Ward	183	190	174	-8.6	11,651	12,084	11,298	157
Llano	160	180	184	2.4	13,516	14,766	14,696	29	Washington	351	377	389	3.0	13,958	14,898	15,194	22
Loving	2	2	2	4	25,575	44,216	43,558	1	Webb	733	794	827	4.2	6,261	6,712	6,850	247
Lubbock	2,585	2,721	2,769	1.8	11,566	12,218	12,316	108	Wharton	476	507	492	-3.0	11,487	12,250	11,908	127
Lynn	88	96	79	-17.2	11,089	12,193	10,386	197	Wheeler	83	89	92	3.0	10,911	12,521	13,419	54
McCulloch	100	101	101	2	11,132	10,960	11,222	164	Wichita	1,660	1,737	1,732	-3	13,122	13,734	13,623	52
McLennan	2,113	2,261	2,326	2.9	11,567	12,209	12,401	100	Wilbarger	190	209	211	1.1	11,219	12,384	12,397	102
McMullen	113	15	15	1.3	13,353	15,085	15,861	14	Willacy	130	126	122	-3.6	6,915	6,692	6,379	250
Madison	115	128	133	3.8	9,550	10,696	10,975	173	Williamson	1,293	1,497	1,532	2.4	13,264	13,969	13,364	58
Marion	88	93	91	1.5	8,431	9,233	9,115	233	Wilson	178	199	210	5.8	9,694	10,587	10,782	180
Martin	59	68	59	-12.2	9,061	12,772	11,322	156	Winkler	106	112	100	-10.2	9,729	10,541	9,821	213
Mason	43	43	43	8.4	14,724	11,152	11,922	126	Wise	360	397	413	4.0	11,641	12,243	12,114	117
Matagorda	444	656	633	-3.4	11,207	16,284	15,455	16	Wood	312	343	352	2.5	11,356	12,401	12,273	112
Maverick	180	179	189	5.6	4,963	4,906	5,063	253	Yoakum	121	139	117	-15.8	12,967	14,354	11,757	132
Medina	244	272	277	1.7	9,928	10,830	10,590	192	Young	274	292	287	-1.7	13,998	15,342	15,156	24
Menard	29	30	31	3.2	11,723	13,413	13,464	53	Zapata	52	56	58	3.7	6,385	6,751	6,761	249
Midland	1,713	1,923	1,842	-4.2	16,163	17,719	16,557	10	Zavala	69	66	69	5.5	5,638	5,523	5,791	252
Milam	268	279	277	-8	11,417	11,755	11,673	140	Utah	16,426	17,553	18,296	4.2	10,115	10,670	10,986	.....
Mills	54	58	57	-2.0	11,551	12,688	12,546	94	Metropolitan portion	12,989	13,903	14,511	4.4	10,118	10,988	11,320	.....
Mitchell	90	102	101	-1.0	9,668	11,289	11,131	167	Nonmetropolitan portion	3,437	3,650	3,785	3.7	9,116	9,612	9,871	.....
Montague	200	207	203	6	10,858	11,264	11,246	162	Beaver	42	46	44	-3.8	8,359	8,762	8,633	22
Montgomery	2,116	2,252	2,197	-2.4	13,516	14,354	13,770	47	Box Elder	370	403	429	6.4	10,177	11,126	11,654	5
Moore	226	245	252	2.9	13,053	14,212	14,319	38	Cache	542	578	621	7.5	8,387	8,941	9,477	17
Morris	171	176	163	-7.0	11,532	12,126	11,325	154	Carbon	245	260	268	3.3	10,398	11,485	11,851	4
Motley	20	20	19	-2.4	10,921	11,377	11,080	170	Daggett	7	7	8	2.0	8,659	9,602	10,149	10
Nacogdoches	512	532	572	7.5	10,205	10,644	11,319	156	Davis	1,638	1,800	1,885	4.7	9,600	10,278	10,462	9
Navarro	437	466	476	2.2	11,243	11,892	12,030	119	Duchessne	142	143	146	2.4	9,348	9,352	9,640	14
Newton	113	116	113	-2.4	8,396	8,702	8,465	239	Emery	96	99	105	6.2	7,453	8,233	8,634	21
Notlan	195	205	205	-4	10,903	11,525	11,604	143	Garfield	35	37	40	8.8	8,636	9,199	9,319	12
Nueces	3,410	3,699	3,667	-9	11,539	12,390	12,159	114	Grand	78	78	77	-0.6	9,997	10,570	10,906	8
Ochiltree	157	152	135	-11.4	14,437	13,877	12,735	87	Iron	149	155	161	4.1	7,742	7,821	8,138	27
Oldham	43	41	44	7.4	17,351	16,859	17,982	5	Jaab	48	48	48	1.2	8,170	7,862	8,196	26
Orange	974	981	997	1.6	11,586	11,729	11,957	123	Kane	38	43	47	7.9	8,559	9,375	9,780	13
Palo Pinto	289	302	300	-7	10,912	11,388	11,271	159	Millard	121	153	137	-10.4	9,226	10,616	9,624	15
Panola	246	267	276	3.1	10,982	12,114	12,388	105	Morgan	56	58	60	3.5	10,927	11,387	11,544	6
Parker	661	751	784	4.3	12,482	13,303	13,018	72	Piute	11	10	11	6.7	7,557	7,124	7,325	28
Parmer	142	168	162	-3.3	13,154	15,399	14,899	27	Rich	20	20	20	-4.0	8,254	8,746	8,647	20
Pecos	159	163	154	-5.2	9,326	9,464	8,987	235	Salt Lake	7,798	8,287	8,651	4.4	11,410	11,963	12,314	2
Polk	233	301	312	3.5	9,701	10,311	10,290	201	San Juan	77	77	81	5.4	6,595	6,606	7,134	29
Potter	1,290	1,353	1,322	-2.3	12,062	12,652	12,403	99	Sanpete	125	129	139	7.4	7,476	7,745	8,334	25
Presidio	49	43	46	5.4	8,581												

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

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³				
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State	
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	1986		
Caledonia.....	259	277	298	7.5	9,834	10,527	11,173	12	Independent Cities:									
Chittenden.....	1,565	1,720	1,880	9.3	12,971	14,096	15,059	1	Alexandria.....	2,375	2,542	2,306	10.4	22,071	23,427	26,030	1	
Essex.....	54	57	61	7.6	8,287	8,734	9,214	14	Chesapeake.....	1,542	1,679	1,801	7.3	12,265	12,870	13,407	34	
Franklin.....	367	397	427	7.5	10,050	10,714	11,484	11	Hampton.....	1,412	1,518	1,634	7.6	11,217	12,118	12,968	44	
Grand Isle.....	53	61	65	7.1	10,567	11,772	12,331	8	Newport News.....	1,829	1,993	2,139	7.3	11,812	12,635	13,224	37	
Lamoille.....	192	203	223	9.8	10,778	11,271	12,332	7	Norfolk.....	3,250	3,420	3,688	7.8	11,513	12,445	13,417	33	
Orange.....	249	271	296	9.3	10,438	11,279	12,302	9	Portsmouth.....	1,194	1,248	1,303	4.4	10,926	11,292	11,740	60	
Orleans.....	217	232	249	7.4	9,028	9,606	10,331	13	Richmond.....	3,321	3,471	3,762	8.4	15,216	15,959	17,283	10	
Rutland.....	688	748	817	9.2	11,635	12,611	13,609	5	Roanoke.....	1,289	1,350	1,439	6.6	12,811	13,368	14,114	22	
Washington.....	614	656	711	8.4	11,441	12,231	13,187	6	Suffolk.....	590	639	668	4.7	12,049	12,721	13,023	41	
Windham.....	476	519	571	10.2	12,278	13,046	14,325	3	Virginia Beach.....	4,321	4,757	5,289	11.2	14,040	14,942	15,864	13	
Windsor.....	635	680	733	7.8	12,149	12,890	13,656	4	Combination Areas:⁴									
Virginia.....	76,452	82,850	89,593	8.1	13,566	14,530	15,482		Albemarle +									
Metropolitan portion.....	59,170	64,457	69,975	8.6	14,763	15,558	16,913		Charlottesville.....	1,311	1,432	1,567	9.5	13,111	14,244	15,369	16	
Nonmetropolitan portion.....	17,282	18,393	19,618	6.7	10,618	11,234	11,892		Alleghany, Clifton Frg. + Covington.....	270	287	300	4.6	10,187	10,742	11,158	74	
Accomack.....	303	326	353	8.5	9,748	10,444	11,183	73	Augusta, Staunton +									
Amelia.....	84	92	97	6.4	10,120	10,964	11,462	67	Waynesboro.....	1,045	1,092	1,173	7.4	11,449	12,016	12,820	45	
Amherst.....	254	264	283	6.9	8,774	9,112	9,748	97	Bedford + Bedford City.....	529	574	605	5.4	12,132	12,867	13,270	36	
Appomattox.....	119	128	134	5.2	9,709	10,360	10,816	82	Campbell + Lynchburg.....	1,299	1,363	1,443	5.9	11,437	11,846	12,530	50	
Arlington.....	3,505	3,776	4,115	9.0	22,325	23,994	25,926	2	Carroll + Galax.....	307	313	329	5.3	8,842	9,008	9,622	98	
Bath.....	73	74	75	5	13,504	13,859	14,255	21	Dinwiddie, Col. Hts. +									
Bladensburg.....	57	60	63	5.2	8,886	9,299	9,892	95	Petersburg.....	868	917	972	6.0	11,053	11,655	12,530	50	
Botetourt.....	279	305	324	6.4	11,672	12,538	13,122	39	Fairfax, Fairfax City +									
Brunswick.....	145	153	157	3.0	9,047	9,527	9,850	99	Falls Church.....	14,050	15,624	17,125	9.6	19,961	21,692	23,136	3	
Buchanan.....	356	361	371	2.7	9,548	9,841	10,355	86	Frederick + Winchester.....	630	684	754	10.4	11,251	12,027	12,985	42	
Buckingham.....	108	116	124	7.5	8,790	9,342	10,121	92	Greensville + Emporia.....	153	162	171	5.9	9,934	10,593	11,350	72	
Caroline.....	200	215	224	4.0	10,614	11,436	11,807	57	Halifax + South Boston.....	353	365	385	5.5	9,534	9,841	10,429	88	
Charles City.....	75	77	81	6.0	11,116	11,593	12,588	48	Henry + Martinsville.....	843	886	955	7.8	11,257	11,774	12,741	46	
Charlotte.....	113	118	117	-0.9	9,518	9,981	9,973	93	James City +									
Chesterfield.....	2,333	2,599	2,804	7.9	14,657	15,787	16,267	12	Williamsburg.....	450	502	529	5.5	12,531	13,630	13,932	25	
Clarke.....	160	175	188	7.5	15,846	17,145	18,254	6	Montgomery + Radford.....	770	833	907	8.8	9,852	10,595	11,356	70	
Craig.....	40	43	45	5.8	9,839	10,368	10,825	81	Pittsylvania + Danville.....	1,198	1,221	1,276	4.5	10,780	11,019	11,560	65	
Culpeper.....	278	305	323	7.8	11,959	12,776	13,517	30	Prince George +									
Cumberland.....	68	74	78	5.4	8,602	9,367	9,905	94	Hopewell.....	470	493	513	4.0	9,383	9,879	10,185	91	
Dickenson.....	207	210	225	7.1	10,330	10,501	11,353	71	Pr. William, Manassas +									
Essex.....	99	103	110	6.5	11,195	11,663	12,416	52	Manassas Park.....	2,688	3,007	3,298	9.7	14,222	15,320	16,272	11	
Fauquier.....	627	715	761	6.5	16,125	17,736	18,107	7	Roanoke + Salem.....	1,316	1,438	1,525	6.1	13,058	14,734	15,528	15	
Floyd.....	121	127	138	8.3	10,345	10,864	11,714	61	Rockbridge, Buena Vista + Lexington.....	301	318	339	6.5	9,595	10,230	10,912	80	
Fluvanna.....	104	112	123	9.4	9,955	10,485	11,482	66	Rockingham +									
Franklin.....	371	393	415	5.5	10,061	10,667	11,148	75	Harrisonburg.....	839	892	1,003	12.4	10,611	11,163	12,311	54	
Giles.....	177	183	189	3.4	9,986	10,377	10,773	84	Southampton + Franklin									
Gloucester.....	288	325	354	8.8	11,727	12,332	12,535	49	Spotsylvania +									
Goochland.....	184	209	226	8.1	14,749	16,551	17,871	8	Fredericksburg.....	651	725	765	5.5	11,937	12,910	12,981	43	
Grayson.....	148	151	156	3.3	8,964	9,069	9,385	101	Washington + Bristol.....	661	700	748	6.9	10,138	10,763	11,462	67	
Greene.....	80	87	92	6.1	9,575	10,148	10,532	86	Wise + Norton.....	525	538	563	4.8	10,601	10,806	11,332	69	
Hanover.....	783	863	939	8.8	14,989	16,247	17,363	9	York + Poquoson.....	646	721	751	4.2	13,285	14,516	14,854	17	
Henrico.....	3,035	3,342	3,646	9.1	15,845	17,213	18,649	5	Washington.....	58,416	62,191	66,348	7.5	13,428	14,109	14,979		
Highland.....	25	24	30	21.7	8,521	8,428	10,432	87	Metropolitan portion.....	48,428	51,863	55,794	7.6	13,789	14,544	15,434		
Ile of Wight.....	287	315	332	5.2	12,469	13,284	13,775	28	Nonmetropolitan portion.....	9,988	10,328	11,055	7.0	11,914	12,269	13,042		
King and Queen.....	61	66	71	7.3	10,010	10,591	10,964	74	Adams.....	182	186	194	4.4	13,397	13,516	14,066	11	
King George.....	141	154	168	9.1	12,656	13,417	13,974	24	Asotin.....	197	200	210	4.7	11,425	11,552	12,251	32	
King William.....	125	133	138	3.8	12,672	13,299	13,391	35	Benton.....	1,424	1,481	1,547	4.5	12,759	13,249	13,725	13	
Lancaster.....	141	155	165	6.6	13,145	14,241	14,845	18	Chelan.....	626	648	713	10.1	12,868	13,180	14,284	7	
Lee.....	219	224	236	5.3	8,241	8,433	8,880	104	Clallam.....	633	677	717	6.0	12,099	12,811	13,345	17	
Loudoun.....	1,071	1,243	1,366	9.9	17,193	19,266	20,460	4	Clark.....	2,427	2,585	2,717	5.1	11,937	12,487	12,855	23	
Louisa.....	192	207	222	7.1	10,205	10,933	11,603	63	Columbia.....	66	58	66	13.5	15,987	14,007	15,726	5	
Lunenburg.....	108	109	109	2	8,873	8,963	8,893	103	Cowlitz.....	950	964	1,004	4.1	11,957	12,162	12,758	27	
Madison.....	108	114	124	8.6	10,219	10,785	11,574	64	Douglas.....	292	293	342	16.9	12,270	12,105	14,126	9	
Mathews.....	107	115	124	7.9	12,572	13,304	14,031	23	Ferry.....	50	51	55	7.5	8,296	8,616	9,304	39	
Mecklenburg.....	288	307	321	4.6	9,710	10,296	10,787	83	Franklin.....	404	411	432	5.1	11,024	11,396	11,724	34	
Middlesex.....	101	112	118	4.8	12,285	13,290	13,604	29	Garfield.....	46	38	43	14.3	18,004	15,214	17,651	3	
Nelson.....	132	137	147	7.8	10,631	11,016	11,991	55	Grant.....	592	611	664	8.7	11,470	11,698	12,506	28	
New Kent.....	128	139	150	8.0	13,095	13,725	14,515	19	Grays Harbor.....	754	777	803	3.4	11,756	12,325	12,303	26	
Northampton.....	126	129	138	6.7	8,812	9,054	9,464	99	Island.....	571	621	670	7.9	12,029	12,779	13,518	16	
Northumberland.....	120	131	140	7.3	12,036	13,094	13,805	26	Jefferson.....	216	227	245						

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

Area name	Total personal income				Per capita personal income ³			Rank in State	Area name	Total personal income				Per capita personal income ³			Rank in State
	Millions of dollars			Percent change ²	Dollars					Millions of dollars			Percent change ²	Dollars			
	1984	1985	1986		1984	1985	1986			1984	1985	1986		1984	1985	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	9,974	10,979	53
Boone.....	307	320	336	4.9	10,192	10,638	11,235	8	Iron.....	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	Jackson.....	166	170	181	6.2	10,100	10,342	11,043	51
Brooke.....	280	285	286	2	9,257	9,528	9,685	26	Jefferson.....	782	814	860	5.6	11,173	12,110	12,650	26
Cabell.....	1,154	1,204	1,236	2.7	10,705	11,322	11,803	5	Juneau.....	218	222	236	6.0	10,698	10,404	11,007	52
Calhoun.....	55	56	58	3.6	6,585	6,836	7,081	54	Kenosha.....	1,622	1,646	1,729	5.0	13,398	13,599	14,405	10
Clay.....	68	70	70	6	5,879	6,133	6,160	55	Keweenaw.....	225	232	251	8.2	11,183	11,587	12,576	27
Doddridge.....	57	60	61	2.0	7,565	7,780	7,882	51	La Crosse.....	1,151	1,215	1,278	5.2	12,261	12,902	13,582	16
Fayette.....	447	453	462	2.0	7,843	8,017	8,326	42	Lafayette.....	173	172	196	14.2	10,005	9,988	11,496	45
Gilmer.....	65	66	69	5.3	7,579	7,757	8,160	48	Langlade.....	191	204	213	4.2	9,534	10,311	10,816	55
Grant.....	97	97	107	10.2	9,997	9,917	11,019	12	Lincoln.....	277	292	312	7.0	9,953	10,429	11,124	49
Greenbrier.....	329	331	360	8.7	8,399	8,529	9,360	31	Manitowoc.....	960	999	1,053	5.4	11,547	12,097	12,804	22
Hampshire.....	132	139	153	10.1	8,342	8,657	9,475	29	Marathon.....	1,241	1,309	1,394	6.5	10,999	11,601	12,895	29
Hancock.....	434	450	443	-1.7	10,828	11,211	11,176	9	Marquette.....	423	453	473	4.6	10,551	11,103	11,544	44
Hardy.....	92	97	112	15.0	9,165	9,802	11,170	10	Marquette.....	119	126	136	8.3	9,500	9,966	10,627	59
Harrison.....	807	831	849	2.2	10,494	10,919	11,297	7	Milwaukee.....	13,224	13,781	14,480	5.1	14,074	14,700	15,530	4
Jackson.....	240	238	233	-1.9	9,081	9,009	8,866	36	Monroe.....	349	367	396	7.9	9,677	10,082	10,780	56
Jefferson.....	302	318	353	10.8	9,325	9,675	10,453	18	Oconto.....	290	318	345	8.3	9,701	10,605	11,423	47
Kanawha.....	2,773	2,875	2,974	3.5	12,002	12,632	13,269	1	Oneida.....	348	373	388	3.9	11,112	11,849	12,314	32
Lewis.....	167	174	175	1.0	8,752	9,174	9,369	30	Outagamie.....	1,633	1,729	1,844	6.7	12,230	12,853	13,581	17
Lincoln.....	162	162	166	2.5	7,176	7,660	7,897	50	Ozaukee.....	1,135	1,208	1,296	7.2	16,804	17,664	18,752	1
Logan.....	453	457	470	2.9	8,903	9,091	9,487	28	Pepin.....	77	78	86	9.7	10,324	10,615	11,899	37
McDowell.....	369	375	372	-0.8	7,813	8,066	8,201	47	Pierce.....	369	393	415	5.8	11,099	11,676	12,282	33
Marion.....	676	667	672	-1.3	10,296	10,266	10,492	17	Polk.....	360	381	407	6.9	10,596	11,108	11,845	39
Marshall.....	390	390	414	6.1	9,514	9,733	10,547	15	Portage.....	650	688	727	5.7	11,209	11,827	12,391	31
Mason.....	221	228	228	-1.1	8,452	8,761	8,785	38	Price.....	170	179	194	8.3	10,163	10,628	11,713	41
Mercer.....	749	781	821	5.2	10,342	10,947	11,589	6	Racine.....	2,310	2,403	2,482	3.3	13,488	14,001	14,410	9
Mineral.....	260	263	286	8.7	9,392	9,455	10,326	20	Richland.....	164	168	181	7.6	9,429	9,819	10,601	60
Mingo.....	334	340	363	6.8	8,980	9,185	9,867	25	Rock.....	1,701	1,793	1,865	4.0	12,296	12,963	13,534	18
Monongalia.....	776	808	847	4.8	9,860	10,335	10,896	13	Rusk.....	135	144	156	8.3	8,432	9,116	9,922	68
Monroe.....	109	106	112	6.2	8,365	8,666	9,193	33	St. Croix.....	575	628	678	8.0	12,687	13,735	14,599	5
Morgan.....	183	191	190	-0.5	10,783	10,943	11,848	4	Sauk.....	509	532	578	8.7	11,287	11,724	12,684	24
Nicholas.....	251	259	262	1.1	8,321	8,139	9,228	32	Sawyer.....	130	136	143	4.9	9,334	9,677	10,073	64
Ohio.....	690	713	746	4.7	11,419	12,047	12,871	2	Sheboygan.....	1,333	1,383	1,465	6.0	12,974	13,463	14,274	11
Pendleton.....	60	67	76	12.9	7,752	8,540	9,590	27	Shawano.....	193	194	215	11.0	10,091	10,205	11,426	46
Pleasantons.....	73	77	81	5.2	9,085	9,528	10,069	21	Trempealeau.....	272	279	305	9.2	10,312	10,676	11,777	40
Pocahontas.....	87	86	95	10.8	8,347	8,834	10,069	21	Vernon.....	248	257	275	7.3	9,337	9,620	10,362	63
Preston.....	241	247	254	2.8	7,941	8,096	8,339	41	Vilas.....	179	188	198	5.4	10,218	10,797	11,334	48
Putnam.....	406	434	441	1.5	9,962	10,462	10,427	19	Walworth.....	884	934	996	6.6	12,552	13,108	13,916	15
Raleigh.....	842	867	884	1.9	9,668	10,109	10,501	16	Washington.....	1,142	1,213	1,289	6.3	13,042	13,722	14,422	6
Randolph.....	273	277	283	2.0	9,544	9,680	9,966	24	Waukesha.....	4,406	4,698	5,003	6.5	15,564	16,463	17,320	2
Richie.....	90	95	98	2.9	8,036	8,423	8,749	40	Waupaca.....	511	533	575	7.7	11,592	12,028	12,922	21
Roane.....	122	127	129	1.3	7,830	8,165	8,296	44	Waushara.....	200	215	227	5.6	10,319	11,083	11,607	43
Summers.....	103	108	110	2.7	7,028	7,360	7,661	52	Winnebago.....	1,704	1,814	1,945	7.2	12,655	13,388	14,262	12
Taylor.....	132	134	134	2	7,907	8,134	8,225	46	Wood.....	951	1,009	1,081	7.1	12,298	12,960	13,948	14
Tucker.....	72	74	77	3.8	8,259	8,555	8,978	35	Shawano (incl. Menominee).....	386	379	409	7.9	9,692	9,486	10,053	65
Tyler.....	100	104	110	6.1	8,971	9,245	9,968	23	Wyoming.....	6,280	6,582	6,481	-1.5	12,244	12,914	12,774	.....
Upshur.....	197	206	206	-3	7,846	8,255	8,324	43	Metropolitan portion.....	2,008	2,048	1,989	-2.9	13,555	14,050	13,610	.....
Wayne.....	377	394	409	3.9	8,304	8,773	9,174	34	Nonmetropolitan portion.....	4,272	4,534	4,492	-0.9	11,711	12,460	12,436	.....
Webster.....	79	84	88	4.7	6,594	7,015	7,404	53	Albany.....	334	349	355	1.5	11,099	11,865	12,076	12
Wetzel.....	212	220	231	4.9	9,578	10,034	10,609	14	Big Horn.....	119	120	118	-2.1	9,484	9,688	9,556	23
Wirt.....	38	39	41	3.2	8,217	8,606	8,848	37	Campbell.....	507	552	505	-8.5	14,545	15,133	13,755	4
Wood.....	1,014	1,066	1,106	3.7	10,857	11,469	12,016	3	Carbon.....	263	257	242	-5.8	12,534	12,785	12,499	10
Wyoming.....	283	278	287	3.3	7,958	7,853	8,261	45	Converse.....	155	164	166	1.2	10,591	11,482	11,911	13
Wisconsin.....	59,900	62,923	66,877	6.3	12,575	13,175	13,977	.....	Crook.....	68	72	74	2.5	11,468	11,927	12,273	11
Metropolitan portion.....	42,587	44,859	47,518	5.9	13,454	14,128	14,926	.....	Fremont.....	371	373	365	-2.0	9,784	10,212	10,344	21
Nonmetropolitan portion																	

State Quarterly Personal

Table 1.—Total Personal

[Millions of dollars.]

Line	State and region	1981				1982				1983			
		I ^r	II ^r	III ^r	IV ^r	I ^r	II ^r	III ^r	IV ^r	I ^r	II ^r	III ^r	IV ^r
1	United States.....	2,434,069	2,478,125	2,560,405	2,584,325	2,607,115	2,648,646	2,675,410	2,722,557	2,748,432	2,808,372	2,842,062	2,938,674
2	New England.....	140,040	143,049	147,969	150,071	151,778	154,784	158,356	160,301	163,261	167,100	170,140	176,080
3	Connecticut.....	40,649	41,536	42,913	43,364	44,046	44,871	45,662	46,370	47,214	47,912	48,792	50,602
4	Maine.....	9,960	10,098	10,364	10,488	10,504	10,766	11,070	11,267	11,367	11,695	11,877	12,184
5	Massachusetts.....	65,166	66,682	69,085	70,209	71,100	72,545	74,291	75,128	76,542	78,528	79,864	82,767
6	New Hampshire.....	9,753	10,003	10,433	10,662	10,640	10,867	11,188	11,268	11,658	12,057	12,450	12,875
7	Rhode Island.....	9,710	9,855	10,155	10,280	10,357	10,515	10,815	10,886	11,080	11,356	11,537	11,860
8	Vermont.....	4,802	4,874	5,019	5,068	5,130	5,219	5,330	5,387	5,401	5,552	5,620	5,792
9	Mideast.....	482,262	492,246	508,561	514,658	520,683	529,577	538,017	546,914	554,017	564,390	574,487	589,630
10	Delaware.....	6,553	6,642	6,848	6,890	7,009	7,156	7,257	7,370	7,562	7,600	7,699	7,998
11	District of Columbia.....	3,371	3,468	3,743	3,872	3,975	4,141	4,267	4,458	4,502	4,550	4,649	4,993
12	Maryland.....	49,106	49,907	51,831	52,544	52,798	54,058	54,779	56,010	56,922	58,025	59,195	60,445
13	New Jersey.....	92,320	94,564	97,830	99,102	101,070	103,030	104,766	106,226	109,020	110,902	113,812	116,806
14	New York.....	200,449	206,205	212,143	214,895	217,529	220,877	225,091	229,548	231,763	237,620	241,418	249,115
15	Pennsylvania.....	125,469	127,460	131,168	132,355	133,903	135,816	136,888	138,303	139,348	140,694	143,214	145,474
16	Great Lakes.....	446,565	452,226	462,766	464,085	461,848	469,045	471,825	476,664	480,190	489,719	493,783	509,372
17	Illinois.....	134,363	135,371	138,687	139,800	139,189	141,779	142,524	143,875	145,607	147,329	146,660	151,551
18	Indiana.....	54,323	54,599	56,087	55,768	55,581	56,404	56,979	57,225	58,121	58,714	58,558	60,749
19	Michigan.....	97,711	99,918	101,264	101,435	99,742	101,198	101,549	102,423	103,170	106,051	106,476	112,021
20	Ohio.....	111,194	112,730	115,814	116,136	115,776	117,462	118,219	119,606	120,073	122,974	124,678	128,160
21	Wisconsin.....	48,973	49,608	50,915	50,945	51,560	52,202	52,953	53,535	53,219	54,621	55,411	56,891
22	Plains.....	181,165	182,151	187,495	187,363	187,649	191,838	192,290	199,112	194,882	200,663	198,391	208,006
23	Iowa.....	31,454	31,123	32,077	31,559	30,763	31,243	31,486	32,785	31,466	32,268	31,011	32,415
24	Kansas.....	26,139	26,459	27,048	27,300	27,747	28,559	28,278	29,254	28,436	29,222	29,896	30,829
25	Minnesota.....	44,300	44,654	46,008	46,251	46,665	47,384	47,748	49,189	48,868	49,975	49,784	51,981
26	Missouri.....	49,808	50,320	51,839	51,961	52,416	53,587	53,935	54,955	56,030	56,791	56,737	58,806
27	Nebraska.....	16,669	16,655	17,111	17,010	16,995	17,718	17,381	18,212	17,344	18,253	17,591	18,767
28	North Dakota.....	6,458	6,570	6,897	6,915	6,722	6,854	6,901	7,301	7,801	7,322	8,078	8,078
29	South Dakota.....	6,337	6,371	6,516	6,367	6,342	6,543	6,560	6,916	6,507	6,853	6,550	7,130
30	Southeast.....	488,651	497,278	515,960	520,108	525,428	533,902	539,670	549,441	558,996	571,897	578,590	599,582
31	Alabama.....	32,635	32,261	33,796	33,753	34,170	34,706	34,994	35,535	36,001	36,805	37,044	38,522
32	Arkansas.....	18,648	19,088	19,534	19,290	19,432	19,766	19,817	20,406	20,729	21,134	20,898	21,871
33	Florida.....	105,175	108,433	112,919	114,656	115,480	117,323	119,356	122,012	124,710	129,029	132,078	136,748
34	Georgia.....	50,039	51,142	52,891	53,297	54,215	55,317	56,091	57,524	58,558	60,448	61,533	64,306
35	Kentucky.....	32,089	31,980	33,499	33,381	33,694	34,147	34,413	34,873	35,813	35,071	35,000	36,475
36	Louisiana.....	40,301	41,518	43,119	43,905	44,488	44,872	45,022	45,066	45,992	45,982	46,447	47,463
37	Mississippi.....	18,949	19,319	19,799	19,889	20,290	20,540	20,468	20,910	21,216	21,456	20,987	22,066
38	North Carolina.....	51,360	52,190	53,965	54,049	54,403	55,602	56,321	57,141	58,495	59,965	61,076	63,352
39	South Carolina.....	25,774	26,341	27,148	27,444	27,521	27,848	28,128	28,693	29,208	30,051	30,526	31,533
40	Tennessee.....	39,856	40,505	41,612	41,514	42,064	42,722	43,184	43,908	44,683	45,436	45,520	47,340
41	Virginia.....	57,297	58,149	60,424	61,503	62,084	63,306	64,270	65,688	66,977	68,717	69,912	71,633
42	West Virginia.....	16,526	15,753	17,255	17,429	17,639	17,753	17,604	17,687	17,573	17,804	17,930	18,272
43	Southwest.....	226,122	232,753	243,234	249,092	255,842	258,489	259,015	263,269	264,985	269,609	272,445	282,394
44	Arizona.....	27,006	27,898	29,040	29,412	29,340	30,361	30,397	31,063	32,244	33,273	33,422	34,422
45	New Mexico.....	11,545	11,840	12,294	12,514	12,753	12,966	13,009	13,319	13,317	13,674	13,920	14,271
46	Oklahoma.....	31,500	32,547	33,923	34,783	36,280	36,671	36,767	37,136	36,317	36,757	36,699	37,926
47	Texas.....	156,071	160,469	167,973	172,382	177,469	179,201	179,603	182,417	184,289	186,984	188,552	195,775
48	Rocky Mountain.....	68,952	70,077	72,879	73,796	74,635	75,952	76,439	78,396	78,819	79,994	81,332	84,220
49	Colorado.....	33,844	34,375	36,147	37,060	37,872	38,691	38,896	39,829	40,210	41,011	41,849	43,097
50	Idaho.....	8,867	8,932	9,089	8,895	8,859	8,995	9,073	9,389	9,367	9,661	9,748	10,335
51	Montana.....	7,881	7,768	8,042	7,948	7,837	7,952	8,041	8,641	8,177	8,415	8,491	8,932
52	Utah.....	12,885	12,828	13,404	13,581	13,767	13,988	14,204	14,405	14,373	14,841	15,140	15,637
53	Wyoming.....	5,374	5,379	5,197	5,229	5,229	5,229	5,229	5,229	5,229	5,229	5,229	5,229
54	Far West.....	383,574	391,138	403,749	406,888	410,773	416,019	419,830	428,064	433,025	443,642	450,836	466,896
55	California.....	297,960	304,242	314,685	318,031	321,400	325,882	329,057	335,791	339,954	348,347	354,705	366,749
56	Nevada.....	10,060	10,353	10,687	10,735	10,827	10,908	10,986	11,105	11,298	11,504	11,648	12,009
57	Oregon.....	27,650	27,748	28,189	27,971	27,983	28,067	28,298	28,703	29,093	29,773	30,083	31,092
58	Washington.....	47,904	48,795	50,188	50,151	50,562	51,162	51,490	52,466	52,741	54,018	54,400	57,046
59	Alaska.....	6,050	6,294	6,572	6,379	7,023	7,397	8,110	8,423	8,449	8,601	8,879	9,105
60	Hawaii.....	10,690	10,913	11,215	11,386	11,452	11,642	11,859	11,974	12,538	12,756	12,819	13,388
Census Regions													
61	New England.....	140,040	143,049	147,969	150,071	151,778	154,784	158,356	160,301	163,261	167,100	170,140	176,080
62	Middle Atlantic.....	418,282	427,229	441,140	446,352	451,901	459,223	466,714	474,077	480,131	489,216	497,944	511,394
63	East North Central.....	446,565	452,226	462,766	464,085	461,848	469,045	471,825	476,664	480,190	489,719	493,783	509,372
64	West North Central.....	181,165	182,151	187,495	187,363	187,649	191,838	192,290	199,112	194,882	200,663	198,391	208,006
65	South Atlantic.....	370,202	377,025	392,022	396,683	400,073	407,504	413,074	421,583	429,407	441,188	449,597	464,080
66	East South Central.....	123,530	124,664	128,706	128,535	130,217	132,114	133,058	135,228	136,713	138,768	138,551	144,404
67	West South Central.....	246,520	253,621	264,553	270,360	277,668	280,510	281,209	285,025	287,267	290,807	292,596	303,035
68	Mountain.....	117,562	120,167	124,900	126,457	127,555	129,478	130,070	133,216	133,806	137,416	140,174	144,922
69	Pacific.....	390,254	397,992	410,852	414,418	418,425	424,150	428,814	437,356	442,775	453,494	460,886	477,380

^r Revised.^p Preliminary.

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'	I'	II'	III'	IV'	I'	II'	III'	IV'	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	65,894	66,449	68,127	69,515	2.0	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	94,132	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	15,537	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	9,893	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	11,099	11,263	11,437	11,734	11,851	11,982	12,134	12,343	12,530	12,711	12,918	1.6	6.5	11
62,388	63,784	65,467	66,539	68,594	69,582	70,479	71,857	73,332	74,723	75,798	77,078	78,324	79,546	81,081	82,518	1.8	7.1	12
119,266	122,342	125,133	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
255,405	261,112	266,539	271,396	275,819	278,015	281,574	287,835	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	152,738	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	605,226	605,670	612,014	622,005	624,394	635,004	655,297	3.2	7.1	16
158,288	159,933	162,673	164,810	167,166	169,476	170,086	173,258	174,697	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	66,073	67,214	68,279	68,444	69,626	70,676	72,747	72,397	73,311	74,988	75,242	76,561	79,288	3.6	8.2	18
114,777	116,937	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
131,903	133,606	135,994	137,543	139,918	141,787	142,280	145,013	146,764	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	73,038	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	39,874	38,089	37,962	40,295	38,382	38,541	43,655	13.3	15.0	23
31,465	31,159	31,682	32,948	33,219	33,667	35,747	34,827	34,235	35,984	35,701	36,812	36,508	36,617	36,630	38,385	4.7	4.1	24
54,933	54,853	56,049	57,462	58,240	59,433	59,050	60,299	61,161	64,122	63,235	64,134	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	66,787	67,971	69,214	70,378	70,356	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	20,393	21,035	20,764	23,712	21,406	21,840	22,669	21,935	21,926	24,988	13.7	14.2	27
7,855	7,590	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	8,593	8,765	8,566	8,612	9,547	10.9	11.1	29
618,884	626,918	640,783	650,345	666,440	676,860	685,204	698,496	713,290	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	46,532	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	26,169	25,885	26,200	26,523	26,995	26,813	27,056	27,497	1.6	3.7	32
139,298	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	74,593	76,219	78,030	80,208	81,372	82,751	84,079	85,307	86,578	88,553	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	43,498	44,973	45,788	45,788	1.8	6.9	35
48,072	48,439	49,183	49,498	50,492	50,495	50,665	50,526	51,003	50,211	49,787	50,385	50,163	50,781	51,447	51,447	1.4	6.3	36
23,281	22,814	23,106	23,437	24,233	24,049	23,820	24,864	25,343	25,418	25,524	25,581	26,619	26,450	26,861	27,192	1.2	8.5	37
65,967	67,145	68,535	69,757	71,103	72,417	73,581	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	35,458	36,017	36,728	37,397	38,301	38,301	38,817	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	90,298	91,737	93,785	95,223	97,327	99,107	2.2	8.0	41
18,540	18,847	19,187	19,084	19,287	19,569	19,578	19,504	20,068	20,100	20,208	20,359	20,504	20,707	20,767	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	338,037	344,980	2.1	6.1	43
35,701	36,115	37,306	38,080	39,718	40,440	41,324	42,283	43,746	44,507	44,928	45,729	46,377	47,144	48,626	49,294	1.6	6.3	44
14,547	14,820	15,164	15,385	15,926	16,209	16,322	16,609	16,776	16,939	16,934	16,984	17,123	17,417	17,596	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
200,286	203,239	207,743	210,753	217,216	219,924	222,147	225,011	227,048	226,129	224,752	221,936	227,957	227,916	231,458	237,011	2.4	6.8	47
84,725	85,997	87,580	89,428	90,199	91,384	91,782	93,563	93,990	95,769	95,602	96,473	97,388	98,308	99,618	101,298	1.7	5.0	48
43,781	44,541	45,360	46,106	46,878	47,474	47,624	48,449	48,861	49,773	50,133	50,256	51,207	51,650	52,569	53,721	2.2	6.9	49
10,149	10,203	10,379	10,698	10,807	10,842	10,873	11,132	10,902	11,178	11,379	11,521	11,551	11,651	11,997	11,997	0	4.1	50
8,722	8,740	8,863	9,365	9,113	8,998	9,014	9,326	9,298	9,898	9,397	10,129	9,997	9,878	9,856	9,933	.8	1.9	51
15,928	16,247	16,651	16,879	17,220	17,469	17,641	17,885	18,185	18,289	18,340	18,372	18,489	18,817</					

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 ²											
	Millions of dollars							Total personal income	Earnings ³										
	1981 ^r	1982 ^r	1983 ^r	1984 ^r	1985 ^r	1986 ^r	1987 ^p		Total	Non-farm	Mining	Construction	Manufacturing	Transportation, public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Other	Government
United States ¹	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	73,266	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.....	6,735	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.....	8,813	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	6.3	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	7.5	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	6.4	11.4	8.2	6.9	7.1	6.3
Michigan.....	100,082	101,228	107,437	118,047	127,542	135,396	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	3	4.3	4.6	11.5	8.4	4.3	6.1
Wisconsin.....	50,110	52,562	55,035	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	8,773	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	537,110	577,331	634,235	681,750	727,287	772,119	6.2	6.9	7.0	-1.2	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	6.4	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	55,737	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.....	32,738	34,231	35,340	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	50,976	50,681	6	-4	-8	-9.0	-10.0	-4	-8	-2.4	4.1	3.2	-13.0	8
Mississippi.....	19,489	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	86,932	91,731	95,458	99,153	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	4.1	-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	3.0	9.5	4.6	12.1	5.0
Montana.....	7,858	8,118	8,504	8,922	9,114	9,681	9,917	2.4	1.5	1.6	1.4	-13.0	-3.0	-9	1.5	7.6	5.7	1.4	3.9
Utah.....	13,125	14,091	14,993	16,426	17,553	18,296	18,894	3.3	2.9	2.8	5.2	-15.7	1.3	4.8	-2	11.4	10.0	2.2	2.4
Wyoming.....	6,090	6,246	6,112	6,280	6,582	6,481	6,256	-3.5	-6.2	-6.8	-6.9	-40.4	.5	-2.1	-7.2	1.6	4	-3.7	2
Far West.....	396,338	418,672	448,600	492,579	532,897	573,054	612,564	6.9	7.7	7.9	7.5	9.6	5.2	4.2	4.7	16.8	10.3	4.7	7.5
California.....	308,731	328,033	352,433	389,133	422,825	455,301	488,573	7.3	8.2	8.4	4.4	11.1	5.7	4.0	4.6	18.2	10.8	5.6	8.0
Nevada.....	10,458	10,956	11,600	12,678	13,768	14,878	16,074	8.0	9.1	9.1	34.7	7.5	7.5	8.6	10.6	11.1	8.3	4	

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

Area name	Based on State estimates of population ¹									Based on the sum of county estimates of population ²							Rank in U.S.
	Dollars								Rank in U.S.	Dollars						Rank in U.S.	
	1981	1982	1983	1984	1985	1986	1987	1988		1989	1981	1982	1983	1984	1985			1986	1987
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	
Maine.....	9,014	9,568	10,270	11,160	11,834	12,786	13,720	33	33	9,011	9,565	10,265	11,154	11,827	12,768	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	
New Hampshire.....	10,898	11,591	12,787	14,060	15,349	16,321	17,133	8	8	10,898	11,591	12,786	14,057	15,342	16,323	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	
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	
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	
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	
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	
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	16,930	5	
Pennsylvania.....	10,869	11,440	11,953	12,730	13,548	14,242	14,997	21	20	10,869	11,441	11,954	12,731	13,548	14,247	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	14,784	15,533	16,347	9	9	11,944	12,356	12,859	14,007	14,784	15,530	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	
Michigan.....	10,868	11,101	11,866	13,030	14,039	14,816	15,830	16	18	10,868	11,101	11,864	13,027	14,034	14,806	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	13,892	24	
Wisconsin.....	10,581	11,073	11,590	12,576	13,177	13,938	14,659	22	22	10,582	11,074	11,590	12,575	13,175	13,977	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	11,972	12,554	13,375	14,191	29	26	10,812	10,857	10,943	11,969	12,550	13,370	29	
Kansas.....	11,190	11,811	12,137	13,022	13,830	14,494	15,241	20	21	11,188	11,809	12,133	13,017	13,823	14,486	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	
Missouri.....	10,322	10,868	11,500	12,494	13,221	13,923	14,537	23	24	10,322	10,868	11,498	12,491	13,217	13,916	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	
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	
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	
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	
Arkansas.....	8,320	8,604	9,098	9,935	10,532	11,050	11,343	47	47	8,320	8,605	9,098	9,933	10,530	11,042	47	
Florida.....	10,819	11,315	12,143	13,021	13,888	14,607	15,241	18	19	10,820	11,318	12,149	13,029	13,898	14,630	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	
Kentucky.....	8,907	9,277	9,513	10,403	10,821	11,342	11,952	42	41	8,906	9,280	9,517	10,411	10,820	11,335	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	
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	
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	
South Carolina.....	8,374	8,710	9,323	10,157	10,738	11,268	11,858	44	42	8,377	8,713	9,325	10,158	10,739	11,287	44	
Tennessee.....	8,311	9,208	9,753	10,652	11,302	12,002	12,738	38	37	8,311	9,208	9,752	10,649	11,298	11,995	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	15,482	10	
West Virginia.....	8,538	9,007	9,115	9,685	10,063	10,531	10,959	49	49	8,539	9,010	9,118	9,688	10,058	10,520	49	
Southwest	10,801	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.....	10,081	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	
New Mexico.....	9,023	9,506	9,840	10,499	11,215	11,435	11,873	41	45	9,020	9,503	9,837	10,495	11,208	11,428	41	
Oklahoma.....	10,688	11,390	11,133	11,692	12,141	12,318	12,520	37	38	10,677	11,356	11,147	11,720	12,179	12,320	37	
Texas.....	11,120	11,684	11,941	12,777	13,489	13,850	13,764	27	32	11,124	11,688	11,944	12,781	13,494	13,486	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.....	11,866	12,639	13,196	14,094	14,708	15,234	15,862	13	13	11,867	12,640	13,195	14,092	14,704	15,230	13	
Idaho.....	9,275	9,284	9,894	10,363	10,886	11,224	11,820	45	43	9,274	9,283	9,892	10,360	10,882	11,216	45	
Montana.....	9,874	10,084	10,424	10,836	11,044	11,846	12,255	39	40	9,875	10,084	10,424	10,835	11,041	11,821	39	
Utah.....	8,660	9,041	9,400	10,120	10,676	10,994	11,246	48	48	8,660	9,040	9,397	10,115	10,670	10,986	48	
Wyoming.....	12,332	12,235	11,837	12,246	12,918	12,775	12,759	34	36	12,332	12,236	11,836	12,244	12,914	12,774	33	
Far West	12,378	12,838	13,524	14,606	15,494	16,311	17,048	.....	.....	12,379	12,839	13,524	14,607	15,496	16,324	.....
California.....	12,723	13,235	13,926	15,096	16,041	16,863	17,661	7	7	12,724	13,236	13,926	15,096	16,041	16,875	6	
Nevada.....	12,377	12,499	12,962	13,846	14,645	15,380	15,958	12	12	12,366	12,477	12,934	13,832	14,701	15,445	12	
Oregon.....	10,441	10,581	11,271	12,055	12,688	13,331	13,887	31	30	10,448	10,589	11,281	12,069	12,701	13,354	30	
Washington.....	11,626	12,018	12,675	13,431	14,114	14,979	15,444	15	15	11,626	12,018	12,673	13,428	14,109	14,979	15	
Alaska.....	15,520	17,360	18,134	18,090	18,498	18,016	17,886	3	5	15,526	17,366	18,136	18,089	18,489	17,969	3	
Hawaii.....	11,275	11,760	12,641	13,157	13,847	14,625	15,366	17	16	11,275	11,760	12,640	13,154	13,842	14,658	17	
Census Regions																	
New England	11,700	12,569	13,539	14,904	15,956	17,175											

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

Area name	Total								Per capita ¹								Rank in U.S.	
	Millions of dollars								Dollars									
	1981 ^r	1982 ^r	1983 ^r	1984 ^r	1985 ^r	1986 ^r	1987 ^p	Percent change 1986–87	1981 ^r	1982 ^r	1983 ^r	1984 ^r	1985 ^r	1986 ^r	1987 ^p	1981	1987	
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	48,721	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	7,829	8,220	8,870	9,759	10,342	11,172	11,883	40	29	
Massachusetts.....	56,486	61,590	66,632	74,449	79,752	86,397	92,466	7.2	9,316	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	14,705	15,824	7.6	9,466	10,160	11,183	12,495	13,460	14,311	14,970	14	6	
Rhode Island.....	8,580	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	6,536	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.....	5,385	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	7,838	8,574	9,281	9,861	10,317	4.6	11,208	11,846	12,551	13,745	14,514	15,770	16,591	.....	.....
Maryland.....	41,619	44,716	49,001	54,276	58,942	63,217	66,949	5.9	9,780	10,467	11,399	12,485	13,422	14,170	14,763	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	16,137	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	12,294	13,035	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	12,423	12,930	.....	.....
Illinois.....	115,538	121,127	127,327	139,042	146,381	154,668	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	10,234	10,686	11,320	11,835	34	30	
Michigan.....	84,323	86,010	91,452	100,991	108,242	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	54,331	57,776	60,837	5.3	8,830	9,338	9,939	10,776	11,378	12,080	12,657	23	21	
Plains.....	155,605	161,926	170,588	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	4.7	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	28,633	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.....	49,375	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	9,262	9,682	10,774	11,421	12,030	12,505	22	24	
North Dakota.....	5,633	6,140	6,419	7,103	7,265	7,517	7,755	3.2	8,520	9,137	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	9,531	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.....	25,229	27,767	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	45	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	9,178	9,657	9,843	47	46	
Florida.....	94,413	100,350	112,902	124,279	135,177	146,501	156,143	6.6	9,282	9,580	10,494	11,244	11,836	12,528	12,987	17	19	
Georgia.....	43,723	47,181	51,521	58,010	63,146	68,307	73,088	6.2	7,350	8,345	8,983	9,927	10,571	11,280	11,747	39	33	
Kentucky.....	28,195	29,521	30,690	33,684	34,796	36,544	38,283	4.7	7,671	7,989	8,261	9,047	9,334	9,908	10,266	42	41	
Louisiana.....	35,630	38,316	40,264	42,610	44,005	45,842	47,840	—	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	52,333	58,693	62,015	66,840	71,112	6.4	7,536	7,970	8,607	9,514	9,906	10,507	11,083	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	10,133	49	42	
Tennessee.....	35,492	37,373	39,824	44,235	46,933	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	9,137	9,792	10,589	11,561	12,326	13,133	13,774	21	10	
West Virginia.....	14,307	15,144	15,414	16,316	17,026	17,673	18,132	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	9,261	9,721	9,908	9,949	41	44	
Oklahoma.....	27,546	30,143	31,406	32,967	32,726	33,129	32,986	—	8,871	9,351	9,469	9,928	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	9,832	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	7,238	7,705	8,004	8,500	8,653	1.8	8,516	8,755	8,873	9,358	9,639	10,401	10,692	33	38	
Utah.....	11,262	12,022	13,053	14,218	15,105	15,768	16,148	2.4	7,431	7,714	8,184	8,760	9,187	9,474	9,611	45	48	
Wyoming.....	5,004	5,158	5,030	5,263	5,504	5,375	5,115	—4.8	10,133	10,105	9,742	10,263	10,303	10,595	10,432	6	39	
Far West.....	337,456	358,599	387,653	425,758	458,222	493,664	523,590	6.1	10,539	10,996	11,687	12,625	13,323	14,051	14,571	.....	.....
California.....	262,962	280,812	308,927	335,105	362,246	390,732	416,081	6.5	10,836	11,330	12,009	12,998	13,743	14,471	15,039	4	5	
Nevada.....	8,588	9,344	10,135	10,804	11,645	12,611	13,534	7.3	10,519	10,659	11,325	11,799	12,337	13,036	13,436	5	13	
Oregon.....	23,516	23,306	25,634	27,928	29,177	31,012	32,209	3.9	8,303	8,912	9,628	10,422	10,851					

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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Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
GENERAL BUSINESS INDICATORS																	
PERSONAL INCOME BY SOURCE																	
Seasonally adjusted, at annual rates:																	
Total personal income.....bil. \$..	3,584.3	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	2,198.7	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 ..	623.3	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	211.9	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	37.5	47.9	*38.9	*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	88.3	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	506.3	508.8	514.0	519.8	526.2	533.0	538.9	544.5	*545.3	*545.9	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	
Leas: 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	
DISPOSITION OF PERSONAL INCOME																	
Seasonally adjusted, at annual rates:																	
Total personal income.....bil. \$..	3,584.3	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	633.6	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	3,138.2	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	3,055.9	3,078.1	3,123.9	3,117.3	3,102.9	3,115.9	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	447.3	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	999.8	
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	95.3	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 % ..	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	2,687.2	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	2,493.9	2,509.4	2,536.6	2,516.2	2,494.6	2,499.9	2,519.5	*2,518.5	2,532.9		
Durable goods.....do ..	383.5	388.2	384.5	379.2	385.8	380.2	390.2	397.5	416.4	406.7	376.2	383.6	393.7	*390.5	399.5		
Nondurable goods.....do ..	877.2	878.1	894.1	882.5	878.8	880.0	878.3	878.2	879.1	870.0	868.2	874.0	881.4	*873.0	874.2		
Services.....do ..	1,189.8	1,230.9	1,213.2	1,222.6	1,222.5	1,221.5	1,225.3	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 ..	114.3	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		
INDUSTRIAL PRODUCTION ◊																	
<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	
Nondurable manufactures.....do ..	130.1	*136.8	130.5	131.6	132.5	134.1	140.5	138.7	145.0	145.8	143.0	139.1	*135.0	*134.6	*138.9	*139.2	
Durable manufactures.....do ..	128.4	133.1	130.8	132.3	130.8	131.1	135.3	129.8	135.0	137.3	139.6	136.3	*133.3	*134.4	*137.3	*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	138.3	136.0	136.4	135.8	136.9	137.8	139.5	139.9	139.4	140.9	141.0	*141.3	*142.3	*143.2	*143.3	
Final products.....do ..	132.4	136.8	134.8	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	*131.9	

See footnotes at end of tables.

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

GENERAL BUSINESS INDICATORS—Continued

INDUSTRIAL PRODUCTION ◊—Continued																
Seasonally Adjusted—Continued																
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	*111.8	*116.4
Autos, consumer.....do.....	97.3	90.7	104.1	101.7	90.8	92.7	87.4	86.3	76.8	79.1	94.7	91.9	83.7	77.5	*79.5	*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	*123.8	*122.7
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.....	133.9	*137.4	134.9	136.3	135.5	136.7	137.6	138.9	139.2	137.3	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	137.2	137.4	137.0	137.0	137.5	137.3	*139.2	*140.5	*141.2	*146.7
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	*145.7
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.....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	115.8	113.9	114.4	114.4	117.2	120.4	120.9	122.0	120.5	120.6	122.2	*125.3	*125.5	*126.5
Power.....do.....	82.4	82.6	82.5	83.2	81.6	82.8	84.0	81.8	82.8	81.1	83.0	83.1	84.2	*86.2	*87.0	*87.6
Commercial.....do.....	217.4	226.5	220.7	222.6	224.8	221.2	226.7	227.9	227.7	229.1	232.4	232.1	*235.5	*237.3	*238.4	*239.5
Transit.....do.....	108.8	108.4	113.6	110.6	106.7	108.9	105.4	106.1	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	*189.9	*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	*148.5	*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	153.4	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	125.2	125.5	126.4	128.7	130.2	*132.0	*131.6	*130.9	*131.3
Nondurable goods materials.....do.....	117.5	*125.9	120.8	121.5	124.1	123.9	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	98.6	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	99.2	100.9	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	79.3	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	91.8	93.0	93.3	94.1	94.2	94.1	*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	85.2	88.6	87.8	.....	.....
Stone and earth minerals.....do.....	123.1	128.2	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	*139.5	*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	*141.8	*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	138.9	*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	107.0	.....	.....
Textile mill products.....do.....	109.2	*115.9	110.8	112.6	116.6	115.7	117.2	118.3	119.3	118.2	117.3	117.8	*118.2	*116.2	*116.0	.....
Apparel products.....do.....	103.1	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	139.9	140.5	141.3	142.6	143.8	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	92.3	94.1	92.9	93.5	94.6	93.3	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	*170.7	.....
Leather and products.....do.....	61.4	60.0	59.8	59.4	60.2	61.4	60.8	59.2	61.3	60.7	59.6	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	*137.7	*137.9	*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	126.9	129.8	134.0	133.6	*136.1	*135.5	.....
Furniture and fixtures.....do.....	143.8	152.8	145.0	149.9	148.2	150.5	153.9	156.2	155.2	155.9	156.0	158.5	159.4	*157.4	*156.1	.....
Clay, glass, and stone products.....do.....	118.2	119.1	118.8	119.8	120.6	117.2	117.9	118.8	116.5	118.6	119.2	120.5	120.1	*120.2	*120.8	.....
Primary metals.....do.....	75.1	*81.3	75.1	77.0	76.1	77.0	78.8	81.4	85.1	84.5	80.6	90.2	*90.6	*86.6	*85.6	*85.9
Iron and steel.....do.....	63.4	*70.6	62.3	65.4	65.0	65.7	68.3	70.9	76.0	74.6	82.0	79.7	*81.9	*77.9	*75.7	.....
Nonferrous metals.....do.....	97.2	101.6	99.4	98.9	97.2	98.3	98.5	101.2	102.2	103.3	106.9	110.0	*107.0	*108.0	*104.3	.....
Fabricated metal products.....do.....	108.0	111.0	108.3	110.5	109.9	108.5	111.1	111.1	110.1	111.1	113.5	113.6	115.8	*117.2	*117.9	*118.2
Nonferrous machinery.....do.....	145.0	152.7	145.5	148.5	150.4	149.7	151.8	155.3	154.3	156.6	158.0	157.2	161.0	*162.5	*162.7	*164.0
Electrical machinery.....do.....	165.7	172.3	171.0	168.5	168.4	171.1	170.5	172.5	174.3	173.4	175.5	175.6	*175.9	*177.0	*177.8	*177.9
Transportation equipment.....do.....	127.5	129.2	132.7	132.2	127.8	129.4	126.5	127.6	128.1	125.5	132.0	130.4	128.1	*128.6	*128.4	*129.9
Motor vehicles and parts.....do.....	111.5	111.8	117.7	116.5	109.8	112.0	107.4	109.4	109.1	105.6	116.0	114.0	110.2	*109.7	*109.1	*112.8
Instruments.....do.....	139.8	143.9	142.0	140.3	142.8	142.1	144.5	143.8	146.3	145.6	146.7	147.8	*145.5	*148.7	*149.3	*149.1
BUSINESS SALES																
Mfg. and trade sales (unadj.), total.....mil. \$.....	5,1															

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.	

GENERAL BUSINESS INDICATORS—Continued

BUSINESS INVENTORIES																
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total.....mil. \$.	648,308	692,801	*665,179	667,650	672,221	673,898	678,618	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	323,333	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	116,903	*111,700	112,103	112,102	112,752	112,967	113,382	114,473	114,990	115,118	115,881	116,903	*117,801	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	*96,352	*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	*158,895	*158,611	*157,072	*159,135	*162,517	*163,353	*165,097	*168,388	169,890	
Durable goods establishments.....do.....	*100,871	*107,986	*101,710	*102,803	*103,172	*105,513	*104,746	*104,514	*103,324	*103,933	*106,734	*106,503	*107,986	*111,259	112,182	
Nondurable goods establishments.....do.....	*52,016	*57,111	*53,102	*52,438	*52,595	*53,047	*54,089	*54,097	*53,748	*55,202	*55,783	*56,850	*57,111	*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	322.1	322.6	322.6	*325.3	326.6	
Retail trade.....do.....			177.7	181.1	181.4	182.3	185.0	185.5	184.7	183.0	186.3	186.6	188.0	*187.5	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	
BUSINESS INVENTORY-SALES RATIOS																
Manufacturing and trade, total.....ratio.....	1.54	*1.50	*1.50	*1.50	1.50	1.50	1.49	1.50	1.48	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	1.59	1.60	1.58	*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	.57	.55	.55	.55	.54	.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	.52	.49	.50	.51	.49	.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	.46	.46	.46	.46	.46	.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	.53	.52	.52	.53	*.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	*1.24	*1.21	*1.21	*1.23	*1.23	*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	*1.74	*1.78	1.71	
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	1.63	1.64	1.61	1.60	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	1.56	
Merchant wholesalers.....do.....			1.24	1.24	1.24	1.26	1.27	1.25	1.23	1.23	1.25	1.29	1.30	*1.33	1.34	
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS																
Shipments (not seas. adj.), total.....mil. \$.	2,273,298	2,408,578	197,198	206,876	196,715	198,265	212,816	185,228	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	93,412	100,535	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	4,652	*4,446	4,833	
Primary metals.....do.....	101,733	111,456	8,694	8,950	9,012	9,084	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	16,685	17,123	17,187	19,552	16,400	16,626	19,733	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.....	314,081	323,403	29,281	30,441	28,019	27,378	28,787	20,674	22,921	28,225	28,220	27,452	26,979	*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	14,948	*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	5,435	5,389	5,597	*4,903	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	26,922	27,531	28,662	27,305	27,752	30,332	29,384	28,604	28,411	*27,331	28,851	
Tobacco products.....do.....	18,016	18,619	1,304	1,729	1,156	1,670	2,060	1,144	1,486	1,954	1,291	1,874	2,169	*920	1,356	
Textile mill products.....do.....	54,607	56,548	4,604	4,963	4,601	4,621	5,126	4,171	5,012	5,255	5,102	4,795	4,350	*4,083	4,627	
Paper and allied products.....do.....	103,834	118,331	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	11,862	11,346	11,393	11,068	10,630	*10,174	9,880	
Rubber and plastics products.....do.....	72,170	78,897	6,730	6,782	6,646	6,698	7,041	5,825	6,330	6,868	7,179	6,827	6,212	*6,323	7,050	
Shipments (seas. adj.), total.....do.....			*195,350	197,430	195,958	196,929	200,591	199,395	200,404	205,732	206,396	207,226	211,356	*207,241	207,385	
By industry group:																
Durable goods industries, total #.....do.....			*103,256	104,750	102,747	102,477	104,476	103,032	104,135	108,433	108,251	108,378	113,026	*108,946	109,532	
Stone, clay, and glass products.....do.....			*5,127	5,140	5,064	4,961	4,946	4,934	4,872	5,098	5,382	5,282	5,280	*5,136	5,151	
Primary metals.....do.....			*8,410	8,395	8,491	8,643	9,018	9,336	9,282	9,950	10,113	10,608	11,273	*10,371	10,213	
Blast furnaces, steel mills.....do.....			*3,503	3,510	3,605	3,721	3,879	4,077	4,118	4,353	4,510	4,741	4,794	*4,501	4,607	
Fabricated metal products.....do.....			*11,585	11,498	11,357	11,062	11,202	11,013	10,959	11,061	10,915	11,166	11,460	*11,264	11,600	
Machinery, except electrical.....do.....			*16,839	17,035	17,086	17,110	17,328	18,095	18,100	18,580	18,546	18,103	19,351	*19,692	19,412	
Electrical machinery.....do.....			*17,957	18,085	17,872	18,326	18,527	18,801	19,133	19,321	19,1					

Units	Annual		1987										1988			
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
GENERAL BUSINESS INDICATORS—Continued																
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																
Shipments (seas. adj.)—Continued																
By market category:																
Home goods and apparel.....mil. \$	'153,075	162,635	'13,241	13,306	13,330	13,438	13,746	13,518	13,683	13,795	13,732	13,677	13,725	'13,961	13,665	.....
Consumer staples.....do	'447,890	476,050	'38,555	38,537	38,897	39,477	40,151	39,604	40,044	40,602	40,403	40,859	40,852	'40,835	40,724	.....
Equipment and defense products, except auto.....do	'372,198	385,413	'30,325	32,114	31,169	31,151	32,000	32,516	32,349	33,531	32,797	32,282	35,361	'34,097	34,147	.....
Automotive equipment.....do	'217,223	225,420	'19,716	19,399	18,852	18,344	18,379	16,493	17,806	18,851	19,661	19,053	18,927	'18,288	19,009	.....
Construction materials, supplies, and intermediate products.....do	'179,596	192,845	'16,557	16,262	15,931	15,619	15,745	16,117	15,732	16,115	16,187	16,600	16,817	'16,456	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	82,838	83,616	84,755	85,674	'83,604	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	6,423	6,566	6,433	'6,717	6,552	.....
Capital goods industries.....do	'428,686	446,907	'35,223	37,227	36,079	36,211	37,289	37,012	37,289	39,233	38,129	37,862	40,825	'39,083	38,911	.....
Nondefense.....do	'321,761	337,113	'26,804	27,353	27,319	26,974	27,852	28,106	28,494	29,709	28,995	28,622	30,731	'30,650	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	.....
Inventories, end of year or month:																
Book value (non-LIFO basis), (unadjusted), total.....do																
Durable goods industries, 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	'335,081	339,558	.....
Nondurable 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	.....
.....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	118,917	.....
Book value (non-LIFO basis), (seasonally adjusted), total.....do																
.....do	318,238	333,656	'320,131	320,090	320,785	321,845	321,621	323,333	325,394	326,670	328,554	331,812	333,656	'336,815	338,390	.....
By industry group:																
Durable goods industries, total #.....do																
Stone, clay, and glass products.....do	207,854	216,753	'208,431	207,987	208,633	209,096	208,654	209,951	210,921	211,680	213,436	215,931	216,753	'219,014	220,188	.....
Primary metals.....do	6,978	7,162	'6,993	7,021	6,988	7,015	6,973	7,020	7,055	7,029	7,096	7,135	7,162	'7,136	7,149	.....
Blast furnaces, steel mills.....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	.....
Fabricated metal products.....do	7,736	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	.....
Machinery, except electrical.....do	21,175	22,072	'21,346	21,433	21,366	21,343	21,223	21,402	21,501	21,747	21,927	21,971	22,072	'22,361	22,466	.....
Electrical machinery.....do	41,518	41,418	'41,235	41,081	41,228	41,092	40,902	40,824	40,879	40,512	40,944	41,191	41,418	'41,832	42,126	.....
Transportation equipment.....do	38,878	39,975	'39,108	38,995	39,164	39,277	39,220	39,277	39,384	39,579	39,785	40,190	39,975	'40,195	40,260	.....
Motor vehicles and parts.....do	52,786	58,079	'53,433	53,271	53,735	54,084	54,199	55,092	55,582	55,987	56,790	57,889	58,079	'58,827	59,012	.....
Instruments and related products.....do	11,090	11,413	'11,042	11,203	11,082	11,188	11,155	11,160	10,961	11,324	11,267	11,459	11,413	'11,806	11,694	.....
By stage of fabrication:	12,585	12,710	'12,649	12,509	12,459	12,544	12,461	12,511	12,561	12,675	12,560	12,619	12,710	'12,757	12,875	.....
Materials and supplies.....do	59,371	60,494	'59,441	59,230	59,770	59,723	59,759	59,417	59,328	59,554	59,587	60,031	60,494	'60,930	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	.....
Finished goods.....do	53,173	55,013	'53,252	53,705	53,678	53,605	52,835	53,630	53,887	53,503	54,459	55,076	55,013	'55,868	56,026	.....
Nondurable goods industries, total #.....do																
Food and kindred products.....do	110,384	116,903	'111,700	112,103	112,102	112,752	112,967	113,882	114,473	114,990	115,118	115,881	116,903	'117,801	118,202	.....
Tobacco products.....do	25,523	27,480	'26,106	26,440	26,379	26,604	26,492	26,505	26,844	26,997	26,996	27,314	27,480	'27,864	28,005	.....
Textile mill products.....do	5,585	5,569	'5,603	5,638	5,712	5,802	5,923	5,936	5,903	5,744	5,627	5,600	5,569	'5,628	5,593	.....
Paper and allied products.....do	6,560	6,874	'6,805	6,871	6,888	6,810	6,751	6,796	6,957	6,896	6,931	6,930	6,874	'6,984	6,961	.....
Chemicals and allied products.....do	10,480	11,284	'10,666	10,837	10,817	10,909	10,906	10,923	11,021	11,052	10,953	10,995	11,284	'11,391	11,511	.....
Petroleum and coal 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	.....
Rubber and plastics 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	.....
By stage of fabrication:	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	.....
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	.....
Work in process.....do	17,338	18,628	'17,833	18,003	17,832	18,029	18,134	18,034	18,386	18,432	18,554	18,736	18,628	'18,757	18,667	.....
Finished goods.....do	50,060	52,553	'50,831	50,922	50,646	50,678	50,649	50,954	51,485	51,270	51,455	51,725	52,553	'52,838	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	26,628	27,040	'27,099	27,182	.....
Consumer staples.....do	41,127	42,717	'41,514	41,668	41,580	41,988	42,592	42,135	42,136	42,142	42,128	42,476	42,717	'42,944	43,004	.....
Equip. and defense prod., exc. auto.....do	91,990	95,149	'92,177	91,708	92,173	92,316	92,225	92,632	93,326	93,339	94,148	95,108	95,149	'95,786	96,352	.....
Automotive equipment.....do	13,393	13,837	'13,477	13,599	13,486	13,591	13,544	13,566	13,458	13,773	13,698	13,919	13,837	'14,247	14,152	.....
Construction materials, supplies, and intermediate products.....do	22,658	24,196	'22,706	22,926	23,015	23,186	23,180	23,398	23,459	23,547	23,689	23,989	24,196	'24,633	24,744	.....
Other materials, supplies, and intermediate products.....do	124,110	130,717	'124,748	124,522	124,865	124,984	124,467	125,749	127,191	127,740	128,470	129,692	130,717	'132,106	132,956	.....
Supplementary series:																
Household durables.....do	12,944	13,384	'13,159	13,219	13,196	13,295	13,164	13,263	13,187	13,241	13,321	13,370	13,384	'13,512	13,487	.....
Capital goods industries.....do	105,726	110,830	'106,385	106,678	106,652	106,984	106,751	107,581	108,380	109,229	110,672	110,830	110,830	'111,563	112,262	.....
Nondefense.....do	71,721	73,804	'72,053	71,555	71,936	71,938	71,902	71,982	72,815	71,767	72,361	73,063	73,804	'74,460	74,986	.....
Defense.....do	34,005	37,026	'34,332	34,093	34,716	34,866	34,849	35,599	36,065	36,311	36,868	37,609	37,026	'37,103	37,276	.....
New orders, net (unadj.), total.....do	2,273,781	2,438,430	'198,802	210,979	200,818	200,163	214,098	191,040	198,553	216,845	213,019	209,404	208,377	'200,357	215,302	.....
Durable goods industries, total.....do	1,201,566	1,291,210	'105,609	114,989	108,067	106,201	114,356	98,600	101,163	113,844	112,797	111,659	113,164	'107,311	116,282	.....
Nondurable goods industries, total.....do	1,072,215	1,147,220	'93,193	95,990	92,751	93,962	99,742	92,440	97,390	103,001	100,222	97,745	95,213	'93,046	99,020	.....
New orders, net (seas. adj.), total.....do	'2,273,781	2,438,430	'194,633	199,399	200,624	201,397	205,454	206,065	203,391	206,719	209,399	209,626	213,822	'212,571	210,858	.....
By industry group:																
Durable goods industries, total.....do																
Primary metals.....do	'102,155	116,334	'8,265	8,789	9,285	9,509	9,976	9,718	9,461	10,735	10,437	10,903	11,997	'10,254	10,398	.....
Blast furnaces, steel mills.....do	'43,560	51,041	'3,515	3,780	4,381	4,241	4,541	4,380	4,159	4,697	4,278	5,053	5,333	'4,308	4,474	.....
Nonferrous and other primary metals.....do	'48,103	55,502	'3,991	4,293	4,149	4,398	4,695	4,542	4,475	5,094	5,343	4,945	5,840	'5,190	5,067	.....
Fabricated metal products.....do	'134,969	134,901	'11,218	11,576	11,219	11,086	11,603	11,261	11,014	11,200	11,077	11,230	11,472	'11,142	11,594	.....
Machinery, except electrical.....do	'198,601	215,116	'16,9													

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

GENERAL BUSINESS INDICATORS—Continued

MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																
Unfilled orders, end of period (unadjusted), total.....mil. \$.	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.....mil. \$.	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	389,860	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.	17,318	22,335	16,747	17,028	17,822	18,688	19,946	20,028	20,207	20,992	21,316	21,611	22,335	22,218	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 primary 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.	93,844	96,233	91,861	89,792	91,629	91,656	92,801	93,421	93,522	94,195	95,081	95,942	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	180,086	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	624	733	
Equip. and defense prod., excl. auto.....do.	238,796	252,196	236,827	235,043	237,345	241,369	244,022	247,525	249,049	248,931	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	5,931	5,888	5,893	5,737	5,782	5,735	5,583	5,405	
Construction materials, supplies, and intermediate products.....do.	10,432	10,593	9,948	10,026	9,925	9,913	9,958	10,050	10,146	10,054	10,114	10,313	10,593	10,509	10,604	
Other materials, supplies, and intermediate products.....do.	113,846	129,864	112,966	115,132	117,488	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	3,677	3,449	3,625	3,794	
Capital goods industries.....do.	289,918	309,273	287,645	286,861	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	146,294	150,435	153,362	
Defense.....do.	162,098	162,979	158,477	157,738	159,984	160,188	161,328	162,345	163,071	162,659	163,526	164,025	162,979	163,650	163,620	
BUSINESS INCORPORATIONS @																
New incorporations (50 States and Dist. Col.):																
Unadjusted.....number.	702,101	683,686	55,406	65,536	62,679	55,548	61,412	58,345	54,225	55,297	55,226	49,118	55,912	51,291		
Seasonally adjusted.....do.			59,385	60,907	58,252	54,993	57,284	57,145	58,181	56,773	55,006	55,753	53,453	53,540		
INDUSTRIAL AND COMMERCIAL FAILURES @																
Failures, total.....number.	61,601	61,235	5,390	5,603	5,320	6,331	4,937	5,518	4,419	4,302	5,284	4,077	4,441	4,841	4,841	
Commercial service.....do.	20,966	24,029	1,993	2,149	1,905	2,443	2,085	2,197	1,775	1,766	2,104	1,684	1,875	1,875		
Construction.....do.	7,110	6,724	559	622	562	698	542	616	531	477	616	467	438	438		
Manufacturing and mining.....do.	5,699	4,939	483	488	445	469	367	456	367	318	431	323	320	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	913		
Wholesale trade.....do.	4,865	4,304	386	368	388	426	351	403	320	289	390	317	296	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	622.6	495.4	565.2	454.6	544.3	544.3			
Construction.....do.	1,782.7	2,278.6	134.9	599.5	209.9	290.5	169.0	110.3	202.5	85.1	153.3	84.3	107.6			
Manufacturing and mining.....do.	8,955.8	4,746.4	386.0	398.1	217.9	309.0	586.7	207.7	132.8	141.0	199.5	173.3	1,382.7			
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	229.7	168.7	1,531.7			
Wholesale trade.....do.	2,085.4	1,396.8	194.7	148.0	97.4	113.0	98.0	124.3	81.3	89.1	81.3	128.1	62.6			
Failure annual rate (seasonally adjusted) No. per 10,000 concerns.....do.	120.0	102.0														

COMMODITY PRICES

PRICES RECEIVED AND PAID BY FARMERS †																
Prices received, all farm products.....1910-14=100.....do.	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	883	990	644	714
Cotton.....do.	462	502	392	401	425	507	559	577	538	548	544	549	542	512	480	480
Feed grains and hay.....do.	309	269	247	254	265	290	285	271	260	269	271	278	291	294	304	304
Food grains.....do.	300	281	280	278	284	288	265	252	258	278	296	310	313	319	331	313
Fruit.....do.	624	668	640	570	568	625	737	721	651	683	728	875	629	628	615	618
Tobacco.....do.	1,397	1,266	1,229	1,235	1,229	1,229	1,236	1,232	1,232	1,328	1,334	1,327	1,327	1,305	1,298	1,298
Livestock and products #.....do.	666	705	692	685	710	714	722	715	725	732	707	689	681	706	718	714
Dairy products.....do.	766	767	789	764	752	734	728	734	752	777	789	789	777	764	752	734
Meat animals.....do.	817	922	877	880	932	954	977	960	965	967	931	885	886	935	972	964
Poultry and eggs.....do.	293	246	262	253	256	245	237	239	250	255	225	240	224	230	217	231
Prices paid:																
Production items.....do.	835	850			849			858			870			880		
All commodities and services, interest, taxes, and wage rates (parity index).....1910-14=100.....do.	1,096	1,115			1,114			1,126			1,132			1,138		
Parity ratio \$.....do.	51	52			51			52			51			52		
CONSUMER PRICES ◊ (U.S. Department of Labor Indexes)																
Not Seasonally Adjusted																
ALL ITEMS, WAGE EARNERS AND CLERICAL WORKERS, REVISED (CPI-W).....1982-84=100.....do.	108.6	112.5	110.5	111.0	111.6	111.9	112.4	112.7	113.3	113.8	114.1	114.3	114.2	114.5	114.7	115.1
ALL ITEMS, ALL URBAN CONSUMERS (CPI-U).....1982-84=100.....do.	109.6	113.6	111.6	112.1	112.7	113.1	113.5	113.8	114.4	115.0	115.3	115.4	115.4	115.7	116.0	116.5
Special group indexes:																
All items less shelter.....do.	108.0	111.6	109.7	110.2	110.8	111.1	111.7	111.8	112.3	113.0	113.2	113.3	113.2	113.3	113.5	114.0
All items less food.....do.	109.8	113.6	111.4	112.0	112.7	113.0	113.5	113.8	114.5	115.1	115.5	115.7	115.5	115.7	116.0	116.6
All items less medical care.....do.	108.8	112.6	110.6	111.1	111.7	112.1	112.5	112.7	113.3	113.9	114.2	114.3	114.3	114.6	114.8	115.3

See footnotes at end of tables

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
COMMODITY PRICES—Continued																	
CONSUMER PRICES †—Continued																	
<i>(U.S. Department of Labor Indexes)—Continued</i>																	
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	102.3	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	102.9	103.9	104.0	104.1	104.1	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	112.5	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	114.7	115.4	115.6	115.5	115.5	115.6	116.2	116.6	117.0	
Shelter #.....do	115.8	121.3	119.0	119.6	120.2	120.5	120.6	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	123.0	123.8	124.4	124.8	124.8	125.6	126.0	126.3	126.4	
Homeowners' cost.....do	119.4	124.8	122.5	123.0	123.6	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 #.....12/82=100	104.1	103.0	101.4	101.5	101.3	102.2	104.9	105.0	105.9	105.5	103.2	102.4	102.0	102.4	102.8	102.7	
Fuel oil, coal, and bottled gas.....do	77.6	77.9	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	103.8	101.5	101.5	100.8	102.5	108.1	107.6	108.7	108.2	108.3	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	107.4	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	113.3	114.4	115.4	112.7	110.4	110.2	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	107.8	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	106.4	106.0	106.8	106.5	106.0	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	116.6	116.2	116.2	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	116.0	116.1	
Public.....do	117.0	121.1	120.6	121.1	120.9	120.6	120.2	120.2	121.5	122.1	121.2	122.0	122.1	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	131.7	132.3	132.8	133.1	134.4	135.5	136.3	
Seasonally Adjusted																	
All items, percent change from previous month.....																	
Commodities.....1982-84=100			.4	.4	.4	.4	.3	.3	.4	.3	.3	.3	.2	.3	.2	.5	
Commodities less food.....do			105.9	106.5	107.1	107.4	107.8	108.0	108.4	108.8	109.1	109.3	109.2	109.4	109.3	109.9	
Food.....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 at home.....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	
Apparel and upkeep.....do			110.3	110.5	111.0	111.8	112.5	112.1	112.1	112.7	112.8	112.8	113.5	113.7	113.0	113.4	
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			103.4	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	103.6	104.2	104.8	105.6	105.7	106.2	106.6	106.4	106.3	106.1	106.2	
Services.....do			113.0	113.3	113.9	114.1	114.4	114.8	115.0	115.2	115.5	115.7	115.7	115.5	115.8	116.2	
PRODUCER PRICES §																	
<i>(U.S. Department of Labor Indexes)</i>																	
Not Seasonally Adjusted																	
All commodities.....1982=100																	
By stage of processing:																	
Crude materials for further processing.....do	87.7	93.7	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	105.7	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	111.6	111.4	111.6	111.7	111.2	112.5	112.5	112.4	112.7	112.9	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	
Nondurable goods.....do	94.8	97.5	95.4	95.5	96.5	97.6	98.2	98.8	99.0	98.8	98.5	98.6	98.3	98.5	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	106.5	107.0	
Durable manufactures.....do	107.5	109.6	108.5	108.7	109.0	109.1	109.1	109.7	109.7	110.9	111.1	111.5	112.0	112.1	112.5	112.5	
Nondurable manufactures.....do	96.0	99.2	97.1	96.9	98.1	98.9	99.5	100.1	100.5	100.4	100.7	100.9	100.5	101.0	101.0	101.6	
Farm products, processed foods and feeds.....do	101.2	103.7	101.6	101.3	103.3	105.9	105.5	105.2	104.0	104.6	104.1	*104.1	103.9	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	97.7	
Foods and feeds, processed.....do	105.4	107.9	106.4	105.9	107.2	109.1	109.0	108.2	108.9	108.7	108.1	108.2	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	103.5	104.0	104.2	104.1	104.3	104.4	104.7	
Chemicals and allied products.....do	102.6	106.5	103.6	104.3	105.2	105.9	107.1	107.0	107.1	107.5	108.2	*108.8	109.1	110.3	110.8	112.8	
Fuels and related prod., and power.....do	69.8	70.2	68.0	68.3	69.1	69.7	71.1	72.6	73.8	72.2	71.1	*70.8	69.5	67.3	66.8	65.9	
Furniture and household durables.....do	108.2	110.0	109.1	109.2	109.8	109.8	109.9	110.0	110.3	110.3	110.5	110.7	111.0	111.5	111.9	112.1	
Hides, skins, and leather products.....do	113.0	120.4	115.0	116.5	118.3	120.7	120.2	121.0	121.3	123.0	124.1	*124.3	123.9	128.1	129.2	133.9	
Lumber and wood products.....do	107.2	112.7	109.4	110.6	110.7	110.7	111.4	112.4	113.7	116.2	116.1	*116.9	116.7	117.6	118.1	118.8	
Machinery and equipment.....do	108.8	110.4	109.9	110.0	110.0	110.2	110.1	110.4	110.6	110.6	110.9	111.0	111.4	111.8	112.0	112.3	
Metals and metal products.....do	108.2	107.1	103.8	104.0	104.4	105.2	105.8	106.7	107.7	108.8	110.8	*111.7	112.9	114.2	114.4	115.1	
Nonmetallic mineral products.....do	110.0	110.0	109.6	109.7	109.9	109.9	110.1	110.1	109.9	110.0	110.4	*110.5	110.6	111.0	110.8	111.0	
Pulp, paper, and allied products.....do	116.1	121.8	120.3	120.6	120.9	121.0	121.2	121.6	122.2	122.9	123.8	123.9	124.3	126.5	127.1	127.7	
Rubber and plastics products.....do	101.9	103.0	101.5	101.4	101.8	102.0	102.3	102.9	103.2	103.7	104.4	*105.1	105.7	106.1	106.9	107.2	
Textile products and apparel.....do	103.2	105.1	103.7	103.9	104.2	104.4	104.8	105.3	105.6	106.0	106.4	106.6	106.3	107.3	107.9	108.4	
Transportation equip. #.....do	110.5	112.6	112.1	112.4	113.0	112.4	112.3	112.2	111.9	110.9	113.8	*113.5	112.7	112.8	112.7	113.3	
Motor vehicles and equip.....do	109.1	111.8	110.9	111.1	112.3	111.8	111.5	111.4	110.8	108.9	114.2	*113.3	112.0	112.0	111.7	111.8	
Seasonally Adjusted																	
Finished goods, percent change from previous month.....																	
By stage of processing:																	
Crude materials for further processing.....1982=100			89.9	90.6	92.3	94.3	94.6	95.6	96.7	96.0	96.1	*94.9	94.6				

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
CONSTRUCTION AND REAL ESTATE																	
CONSTRUCTION PUT IN PLACE																	
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 #.....do.....	316,589	323,622	21,667	23,520	24,835	27,573	30,328	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	*9,819	8,653		
Nonresidential buildings, except farm and public utilities, total #.....mil. \$..	91,171	85,768	6,438	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	4,792	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 #.....do.....	72,228	75,321	4,398	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	2,035	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	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.....	3,920	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	1,403	*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	324.9	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.....			137.0	139.5	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 #.....mil. \$..			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	52.3	*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	75.3	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	25.8	*24.6	24.7		
CONSTRUCTION CONTRACTS																	
Construction contracts in 50 States (F.W. Dodge Division, McGraw-Hill):																	
Valuation, total.....mil. \$..	248,588	254,673	*15,729	*22,622	22,599	21,469	24,712	24,004	23,914	22,038	22,492	17,930	17,626	14,523	16,247	21,708	
Index (mo. data 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	17,977	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	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	7,827	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	3,852	
New construction planning (Engineering News-Record) \$.....do.....	288,568	267,823	23,216	23,248	24,192	20,378	22,429	19,670	17,323	20,656	18,713	17,829	25,375	28,423			
HOUSING STARTS AND PERMITS																	
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	143.8	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	143.6	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	1,543	
One-family structures.....do.....			1,285	1,206	1,201	1,125	1,086	1,142	1,109	1,211	1,105	1,129	1,085	*1,016	*1,106	1,185	
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	1,463	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.....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	208		
CONSTRUCTION COST INDEXES																	
Dept. of Commerce composite.....1982=100..	111.8	114.5	113.0	113.7	113.8	114.1	114.5	114.9	115.0	115.1	*114.2	*114.8	*114.2	*114.3	114.7	115.0	
Boeckh indexes:																	
Average, 20 cities:																	
Apartments, hotels, office buildings.....1982=100..	114.9	117.3	116.7	116.7	117.1	117.3	117.3	117.9	118.1	118.1	118.1	118.5	118.5	118.5	119.6	119.6	
Commercial and factory buildings.....do.....	113.2	115.1	114.3	114.3	115.0	115.2	115.2	115.8	116.1	116.1	116.1	116.2	116.2	117.7	117.7		
Residences.....do.....	117.3	119.7	119.0	119.4	119.4	119.7	119.7	120.2	120.7	120.7	120.7	120.1	120.1	121.8	121.8		
Engineering News-Record:																	
Building.....1967=100..	367.3	375.6	370.9	372.0	372.8	372.9	373.0	375.7	377.6	378.0	380.2	379.6	383.2	381.8	382.0	*383.5	
Construction.....do.....	399.5	409.1	404.1	405.2	405.2	405.7	408.4	410.0	411.0	412.5	413.8	413.3	415.6	414.9	415.2	*416.2	
Federal Highway Adm.—Highway construction: Composite (avg. for year or qtr.).....1977=100..	171.6	172.0	169.9	172.8						171.9			172.8				

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.	

CONSTRUCTION AND REAL ESTATE—Continued

REAL ESTATE ◊																
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	218	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	2,978.52	2,319.12	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	*2,552	*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	2,832	2,494	3,104	2,840	2,310	*4,643	*2,187	2,401	.....

DOMESTIC TRADE

ADVERTISING																
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	2,658	2,828	2,507	2,165	.....	.....
Classified.....do.....	9,303	10,691	778	924	907	996	907	911	993	919	969	893	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	.....	.....
WHOLESALE TRADE †																
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	*126,396	*132,747	*118,752	125,066	.....
Durable goods establishments.....do.....	*681,177	*739,277	*53,927	*62,297	*62,691	*60,643	*64,387	*62,586	*61,837	*65,226	*69,005	*61,096	*62,725	*54,944	59,114	.....
Nondurable goods establishments.....do.....	*711,136	*781,550	*58,915	*65,812	*64,931	*66,029	*65,888	*65,067	*64,663	*66,884	*68,616	*65,300	*70,022	*63,808	65,952	.....
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total.....mil. \$.	*153,571	*165,819	*155,493	*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	*103,382	*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	.....
RETAIL TRADE ‡																
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	*45,283	*47,370	*48,262	*50,834	*50,087	*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	*4,739	*6,001	*6,787	*7,309	*7,372	*7,234	*7,080	*6,890	*7,172	*6,359	*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	*31,903
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	*9,729	*6,577	*6,545	*6,931
Nondurable goods stores.....do.....	*898,879	*951,474	*66,894	*74,535	*77,369	*80,427	*78,153	*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	*28,132	*10,318	*10,610	*13,600
Food stores.....do.....	*301,762	*314,287	*23,880	*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	*4,837	*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	*11,898	*12,262	*12,906	*12,830	*13,197	*13,290	*12,223	*12,699	*11,936	*12,574	*11,518	*11,331	*12,328
Drug and proprietary stores.....do.....	*51,631	*56,000	*4,145	*4,387	*4,535	*4,599	*4,593	*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	*1,600	*1,705	*1,635	*1,562	*1,653	*1,638	*2,314	*1,443	1,387	.....
Estimated sales (seas. adj.), total.....do.....			*123,292	*124,105	*124,744	*124,775	*126,511	*127,230	*129,981	*127,815	*126,808	*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. \$.			*6,544	*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.....			*4,713	*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	*29,792
Motor vehicle and miscellaneous auto dealers.....do.....			*23,576	*24,499	*24,751	*24,432	*25,554	*25,852	*27,849	*26,159	*25,344	*25,194	*25,877	*26,528	*27,063	*27,392
Auto and home supply stores.....do.....			*2,184	*2,218	*2,176	*2,173	*2,234	*2,257	*2,326	*2,306	*2,329	*2,305	*2,343	*2,407	2,450	.....
Furniture, home furnishings, and equipment #.....do.....			*6,961	*7,041	*7,049	*6,972	*6,988	*7,146	*7,146	*7,054	*6,940	*6,979	*6,944	*7,194	*7,406	*7,258
Furniture, home furnishings stores.....do.....			*3,649	*3,700	*3,736	*3,675	*3,709	*3,759	*3,708	*3,723	*3,701	*3,671	*3,616	*3,744	3,810	.....
Household appliance, radio, and TV stores.....do.....			*2,871	*2,904	*2,876	*2,845	*2,826	*2,927	*2,958	*2,881	*2,775	*2,846	*2,849	*2,963	3,110	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics, 1985

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
DOMESTIC TRADE—Continued																	
RETAIL TRADE —Continued																	
All retail stores—Continued																	
Estimated sales (seas. adj.)—Continued																	
Nondurable goods stores.....mil. \$.....			'78,409	'78,320	'78,716	'79,092	'79,527	'79,651	'80,367	'79,867	'79,919	'80,181	'80,615	'80,080	'79,930	'80,758	
General merch. group stores.....do.....			'14,597	'14,328	'14,401	'14,617	'14,576	'14,507	'14,738	'14,580	'14,742	'14,805	'15,035	'14,953	'14,568	'14,807	
Department stores excluding leased departments.....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.....			'732	'704	'706	'697	'687	'688	'700	'692	'698	'700	'711	'693	'695		
Food stores.....do.....			'25,989	'25,999	'26,126	'26,214	'26,394	'26,272	'26,554	'26,341	'26,309	'26,259	'26,309	'26,169	'26,336	'26,633	
Grocery stores.....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.....			'8,192	'8,407	'8,598	'8,549	'8,602	'8,805	'8,945	'8,872	'8,801	'8,761	'8,887	'8,754	'8,648	'8,773	
Apparel and accessory stores #.....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.....			'753	'752	'737	'730	'761	'759	'760	'762	'774	'772	'777	'783	'772		
Women's clothing, specialty stores, and furriers.....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		
Shoe stores.....do.....			'1,212	'1,275	'1,175	'1,189	'1,219	'1,218	'1,233	'1,205	'1,188	'1,209	'1,276	'1,175	'1,169		
Eating and drinking places.....do.....			'12,302	'12,104	'12,165	'12,210	'12,289	'12,231	'12,283	'12,284	'12,353	'12,604	'12,791	'12,547	'12,576	'12,503	
Drug and proprietary stores.....do.....			'4,540	'4,523	'4,581	'4,636	'4,663	'4,685	'4,709	'4,763	'4,786	'4,803	'4,754	'4,832	'4,972	'5,052	
Liquor stores.....do.....			'1,627	'1,597	'1,614	'1,647	'1,610			'1,629	'1,637	'1,651	'1,642	'1,589	'1,622		
Estimated inventories, end of period:																	
Book value (non-LIFO basis), (unadjusted), total.....mil. \$.....	'180,530	'205,138	'188,520	'195,467	'197,584	'197,511	'199,007	'199,470	'197,390	'201,518	'215,174	'219,614	'205,138	202,371			
Durable goods stores #.....do.....	'89,850	'106,689	'96,358	'99,900	'100,042	'101,171	'102,192	'100,428	'96,205	'96,308	'104,172	'108,022	'106,689	105,243			
Bldg. materials, hardware, garden supply, and mobile home dealers.....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.....	'45,529	'57,740	'52,049	'54,287	'53,478	'53,640	'54,377	'52,574	'47,907	'47,014	'52,627	'55,868	'57,740	56,611			
Furniture, home furnishings, and equipment.....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.....	'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.....	'31,280	'33,401	'32,702	'34,015	'35,160	'34,087	'33,820	'35,145	'36,017	'38,049	'41,383	'41,587	'33,401	33,220			
Department stores.....do.....	'24,559	'26,032	'25,451	'26,520	'27,578	'26,714	'26,359	'27,392	'28,080	'29,639	'32,432	'32,734	'26,032	25,769			
Food stores.....do.....	'20,044	'20,581	'19,739	'20,064	'20,078	'20,034	'20,034	'20,211	'20,060	'20,151	'20,773	'21,113	'20,581	20,426			
Apparel and accessory stores.....do.....	'14,625	'17,471	'15,573	'16,738	'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.....	'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.....	'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.....	'13,997	'15,234	'14,255	'14,349	'14,191	'14,774	'15,162	'14,964	'15,074	'14,863	'14,675	'14,872	'15,234	15,266			
Automotive dealers.....do.....	'45,267	'57,312	'48,983	'50,177	'50,145	'51,419	'52,620	'53,384	'53,292	'53,755	'55,680	'56,708	'57,312	55,918			
Furniture, home furn., and equip.....do.....	'15,260	'16,932	'15,171	'15,118	'15,238	'15,486	'15,547	'15,852	'15,946	'16,414	'16,670	'16,673	'16,932	17,001			
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	103,141			
General merch. group stores.....do.....	'34,405	'36,742	'34,971	'34,911	'35,201	'34,629	'35,271	'35,796	'35,743	'35,800	'36,241	'36,259	'36,742	36,939			
Department stores.....do.....	'26,370	'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			
Food stores.....do.....	'19,803	'20,334	'19,933	'20,134	'20,214	'20,251	'20,439	'20,531	'20,536	'20,318	'20,253	'20,334	'20,334	20,453			
Apparel and accessory stores.....do.....	'15,760	'18,827	'16,341	'16,901	'17,202	'17,532	'17,800	'17,971	'18,420	'18,625	'18,584	'18,817	'18,827	18,642			
Firms with 11 or more stores:																	
Estimated sales (unadj.), total.....mil. \$.....	'584,148	'569,081	'38,084	'43,839	'45,774	'47,524	'45,665	'45,913	'47,817	'45,201	'48,517	'50,998	'70,238	41,120			
Durable goods stores.....do.....	'59,789	'67,665	'4,158	'5,024	'5,237	'5,471	'5,510	'5,494	'5,667	'5,444	'5,663	'6,223	'9,494	4,671			
Auto and home supply stores.....do.....	'6,744	'7,185	'459	'573	'630	'641	'634	'639	'636	'615	'642	'596	'618	513			
Nondurable goods stores #.....do.....	'474,359	'502,436	'33,926	'38,815	'40,537	'42,053	'40,155	'40,419	'42,160	'39,757	'42,854	'44,775	'60,744	36,449			
General merchandise group stores.....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.....	'171,121	'179,635	'13,358	'14,448	'14,726	'15,401	'14,769	'15,663	'15,010	'14,614	'15,535	'14,700	'16,580	15,027			
Grocery stores.....do.....	'168,343	'176,918	'13,139	'14,230	'14,497	'15,188	'14,559	'15,451	'14,806	'14,416	'15,323	'14,489	'16,199	14,820			
Apparel and accessory stores.....do.....	'39,002	'42,405	'2,440	'3,226	'3,553	'3,402	'3,253	'3,093	'3,766	'3,425	'3,598	'3,946	'6,277	2,531			
Eating places.....do.....	'34,976	'37,486	'2,776	'3,089	'3,141	'3,264	'3,365	'3,405	'3,405	'3,052	'3,217	'2,970	'3,106	2,925			
Drug stores and proprietary stores.....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 (seas. adj.), total #.....do.....	'46,756	'46,723	'46,723	'46,837	'46,886	'47,239	'47,417	'48,081	'47,623	'48,015	'48,070	'48,070	'48,404	48,477			
Auto and home supply stores.....do.....	'589	'612	'589	'612	'608	'608	'600	'611	'602	'586	'579		588	611			
Department stores excluding leased departments.....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.....			'555	'552	'563	'551	'543	'554	'561	'568	'565	'565	'569	548			
Grocery stores.....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.....			'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.....			'1,422	'1,415	'1,408	'1,443	'1,430	'1,428	'1,443	'1,424	'1,454	'1,412	'1,414	1,435			
Shoe stores.....do.....			'723	'802	'715	'709	'745	'742	'754	'749	'721	'734	'751	717			
Drug stores and proprietary stores.....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																
Noninstitutional population, persons 16 years of age and over.....thous.....	182,293	184,490	183,738	183,915	184,079	184,259	184,421	184,605	184,738	184,904	185,062	185,225	185,370	185,571	185,705	185,847
Labor force @.....do.....	119,540	121,602	119,707	120,089	120,082	121,421	122,871	123,825	123,350	121,627	122,485	122,366	121,956	121,491	121,678	121,693
Resident Armed Forces.....do.....	1,706	1,737	1,740	1,736	1,735	1,726	1,718	1,720	1,736	1,743	1,741	1,755	1,750	1,749	1,736	1,736
Civilian noninstitutional population.....do.....	180,587	182,753	181,998	182,179	182,344	182,533	182,703	182,865	183,002	183,161	183,311	183,470	183,620	183,822	183,969	184,111
Civilian labor force, total.....do.....	117,834	119,865	117,967	118,353	118,347	119,695	121,153	122,105	121,614	119,884	120,744	120,610	119,742	119,942	119,957	119,957
Employed.....do.....	109,597	112,440	109,464	110,229	111,041	112,377	113,498	114,652	114,527	113,027	113,898	113,809	113,679	112,189	112,660	

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																	
Rates(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	5.5	5.4	5.2	5.0	5.1	5.0	4.9	5.1	4.9	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	5.2	5.2	5.2	5.2	5.2	5.1	5.2	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	12.3	
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	3.7	3.5	3.4	3.6	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	4.2	4.3	4.2	4.1	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.....																	
Construction.....	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	
Manufacturing.....	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	
Durable goods.....	7.1	6.0	6.3	6.7	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.3	5.1	5.6	5.2	5.2	
Agricultural wage and salary workers.....	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	
Not Seasonally Adjusted	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	
Occupation:																	
Managerial and professional specialty.....	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	
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	7.7	8.0	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	5.2	6.9	6.9	6.8	
Operators, fabricators, and laborers.....	10.9	9.4	12.1	11.5	9.8	9.4	8.4	8.9	8.3	8.3	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.....thous.	99,610	102,112	99,792	100,462	101,381	102,140	102,704	101,947	102,152	102,955	103,787	104,134	104,373	*102,388	*102,951	*103,698	
Private sector (excl. government).....do.....	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.....do.....	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).....do.....	82,900	85,049	84,215	84,352	84,560	84,677	84,787	85,106	85,229	85,386	85,795	86,072	86,341	*86,560	*87,040	*87,253	
Nonmanufacturing industries.....do.....	63,906	65,937	65,229	65,287	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.....do.....	24,681	24,884	24,743	24,749	24,759	24,752	24,761	24,850	24,886	24,917	25,064	25,169	25,259	*25,342	*25,426	*25,426	
Mining.....do.....	783	741	719	722	729	735	738	744	751	759	764	759	756	*746	*749	*755	
Construction.....do.....	4,904	5,031	5,038	5,032	5,019	4,999	5,008	5,002	4,989	5,053	5,074	5,121	*5,058	*5,175	*5,254		
Manufacturing.....do.....	18,994	19,112	18,986	18,995	19,011	19,018	19,015	19,104	19,129	19,169	19,247	19,386	19,382	*19,401	*19,418	*19,417	
Durable goods.....do.....	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	*11,403	*11,412	*11,414	
Lumber and wood products.....do.....	711	739	731	734	736	738	735	740	736	740	741	750	753	*753	*753	*748	
Furniture and fixtures.....do.....	497	513	501	502	504	509	510	518	518	520	524	536	530	*531	*530	*530	
Stone, clay and glass products.....do.....	586	584	583	586	586	584	582	582	582	581	583	588	590	*585	*588	*587	
Primary metal industries.....do.....	753	750	733	739	743	742	746	750	754	764	768	771	771	*768	*770	*769	
Fabricated metal products.....do.....	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.....do.....	2,060	2,089	2,018	2,015	2,022	2,025	2,028	2,033	2,044	2,053	2,064	2,074	2,085	*2,097	*2,102	*2,112	
Electric and electronic equip.....do.....	2,123	2,100	2,106	2,099	2,092	2,087	2,080	2,088	2,095	2,096	2,111	2,118	2,128	*2,130	*2,128	*2,131	
Transportation equipment.....do.....	2,015	2,015	2,022	2,022	2,011	2,011	2,010	1,995	2,028	2,018	2,019	2,016	2,018	*2,005	*2,001	*2,000	
Instruments and related products.....do.....	707	695	695	694	694	693	693	695	695	695	697	701	701	*702	*704	*703	
Miscellaneous manufacturing.....do.....	362	369	364	366	364	366	368	370	371	372	374	377	376	*378	*380	*378	
Non-durable goods.....do.....	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.....do.....	1,617	1,636	1,630	1,635	1,642	1,633	1,634	1,644	1,632	1,631	1,635	1,645	1,645	*1,661	*1,660	*1,653	
Tobacco manufactures.....do.....	59	56	58	57	56	57	57	57	55	55	55	56	56	*57	*56	*55	
Textile mill products.....do.....	705	730	722	725	724	727	729	736	732	735	736	738	739	*736	*738	*736	
Apparel and other textile products.....do.....	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.....do.....	674	678	679	678	677	677	676	678	681	681	680	681	682	*681	*682	*681	
Printing and publishing.....do.....	1,457	1,501	1,483	1,485	1,493	1,497	1,498	1,504	1,508	1,509	1,514	1,522	1,525	*1,530	*1,538	*1,543	
Chemicals and allied products.....do.....	1,023	1,026	1,018	1,017	1,018	1,022	1,014	1,026	1,031	1,035	1,041	1,047	1,048	*1,050	*1,052	*1,052	
Petroleum and coal products.....do.....	169	164	164	164	164	164	164	164	164	166	167	167	167	*166	*166	*166	
Rubber and plastics products, nec.....do.....	790	818	805	807	809	809	810	815	819	824	833	840	845	*847	*848	*848	
Leather and leather products.....do.....	151	150	147	148	149	149	150	155	152	152	152	152	153	*154	*154	*154	
Service-producing.....do.....	74,930	77,228	76,407	76,580	76,839	76,956	77,057	77,276	77,389	77,517	77,919	78,116	78,353	*78,622	*79,002	*79,180	
Transportation and public utilities.....do.....	5,244	5,378	5,315	5,333	5,348	5,344	5,350	5,377	5,416	5,436	5,459	5,473	5,485	*5,504	*5,504	*5,522	
Wholesale trade.....do.....	5,735	5,797	5,757	5,766	5,772	5,775	5,781	5,797	5,807	5,815	5,831	5,851	5,871	*5,884	*5,903	*5,920	
Retail trade.....do.....	17,845	18,264	18,140	18,136	18,197	18,205	18,226	18,274	18,256	18,314	18,408	18,443	18,458	*18,619	*18,720	*18,724	
Finance, insurance, and real estate.....do.....	6,297	6,589	6,501	6,526	6,558	6,576	6,586	6,608	6,624	6,629	6,650	6,657	6,668	*6,684	*6,687	*6,694	
Services.....do.....	23,099	24,137	23,759	23,842	23,926	24,025	24,083	24,214	24,279	24,295	24,406	24,498	24,612	*24,683	*24,884	*24,967	
Government.....do.....	16,711	17,063	16,935	16,977	17,038	17,031	17,031	17,020	17,045	17,048	17,188	17,213	17,271	*17,267	*17,804	*17,353	
Federal.....do.....	2,399	2,943	2,916	2,922	2,933	2,935	2,935	2,936	2,940	2,962	2,965	2,977	2,981	*2,977	*2,979	*2,972	
State.....do.....	3,888	3,952	3,927	3,930	3,943	3,947	3,932	3,952	3,964	3,957	3,973	3,978	3,996	*4,004	*4,019	*4,019	
Local.....do.....	9,923	10,167	10,092	10,125	10,162	10,149	10,164	10,132	10,142	10,129	10,250	10,258	10,294	*10,294	*10,321	*10,362	
Production or nonsupervisory workers on private nonagric. payrolls, not seas. adjusted.....thous.	67,061	68,783	66,596	67,102	67,918	68,611	69,339	69,397	69,712	69,772	69,937	70,088	70,205	*68,609	*68,820	*69,377	
Manufacturing.....do.....	12,895	13,021	12,801	12,846	12,874	12,927	13,053	12,913	13,104	13,241	13,232	13,264	13,249				

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																	
EMPLOYMENT §—Continued																	
Seasonally Adjusted																	
Production or nonsupervisory workers—Continued																	
Nondurable goods.....thous.	5,463	5,564	5,518	5,526	5,583	5,587	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	1,150	1,159	1,146	1,144	1,150	1,159	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	515	514	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	*868	*871	
Chemicals and allied products.....do	568	575	569	570	569	572	568	576	579	580	584	589	589	*589	*590	*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	125	131	127	128	127	127	128	*128	*128	*128	
Service-producing.....do	49,769	51,308	50,770	50,883	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	4,623	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	16,192	16,189	16,193	16,195	16,246	16,242	16,257	16,346	16,360	16,384	*16,519	*16,602	*16,577	
Finance, insurance, and real estate.....do	4,655	4,844	4,806	4,823	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	
AVERAGE HOURS PER WEEK §																	
Seasonally Adjusted																	
Avg. weekly hours per worker on private nonag. payroll: ◇																	
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	34.8	34.9	34.4	34.5	*34.4	
Seasonally adjusted.....do			34.9	34.8	34.7	34.9	34.8	34.3	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	42.4	42.4	42.1	42.7	42.3	42.8	*41.9	*41.5	*41.1	
Construction †.....do	37.4	37.7	36.8	37.4	37.4	38.5	38.1	38.6	38.6	36.4	38.8	37.1	37.6	36.0	36.2	*37.6	
Manufacturing.....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	
Not seasonally adjusted.....do			41.1	40.9	40.6	41.0	41.0	41.0	41.0	40.6	41.3	41.2	41.0	*41.2	*41.0	*40.9	
Seasonally adjusted.....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	3.9	3.7	*3.7	
Overtime hours.....do																	
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	41.9	41.5	41.7	41.5	*41.5	
Overtime hours.....do	3.5	3.8	3.7	3.7	3.6	3.9	3.8	3.8	4.0	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	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	42.5	42.0	42.5	*42.0	
Primary metal industries.....do	41.9	43.1	42.6	42.6	42.3	43.1	43.1	43.4	43.5	43.4	43.7	43.7	43.6	43.5	43.2	*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	42.1	41.7	41.9	41.6	*41.5	
Machinery, except electrical.....do	41.6	42.2	42.2	42.0	41.8	42.2	42.2	42.4	42.2	41.6	42.6	42.7	42.5	42.8	42.6	*42.4	
Electric and electronic equip.....do	41.0	40.9	41.1	40.9	40.6	40.8	41.1	41.1	41.0	40.4	41.1	41.0	40.9	41.2	40.9	*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	41.4	*42.3	42.0	*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	40.3	40.3	40.1	40.5	40.4	40.3	40.4	40.4	40.2	*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	3.8	3.7	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	41.0	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	41.3	41.9	41.8	41.7	*41.7	*41.7	*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	38.2	38.0	38.0	37.9	38.0	38.0	*38.1	
Chemicals and allied products.....do	41.9	42.3	42.2	42.0	42.2	42.1	42.0	42.2	42.4	42.8	42.7	42.7	42.7	42.7	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	41.9	42.1	42.5	*41.8	41.4	*41.7	
Leather and leather products †.....do	36.9	38.1	37.2	37.5	36.7	38.6	39.3	38.6	38.9	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	38.1	38.3	38.0	38.4	38.3	38.1	38.2	38.3	*38.0	
Retail trade.....do	29.2	29.3	29.3	29.3	29.5	29.4	29.2	29.3	29.6	29.6	29.3	29.2	28.8	*29.0	*29.1	*28.9	
Finance, insurance, and real estate †.....do	36.4	36.2	36.4	36.3	36.3	36.3	36.4	36.2	36.4	36.0	36.2	36.3	36.0	36.3	36.4	*35.7	
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	32.8	*32.4	
AGGREGATE EMPLOYEE-HOURS §																	
Seasonally Adjusted																	
Employee-hours, wage & salary workers in non-agric. establish, for 1 week in the month, seas adj. at annual rate.....bil. hours																	
Total private sector.....do	185.39	189.79	188.94	188.71	187.72	189.44	189.41	189.97	190.78	187.57	192.24	192.40	192.68	*193.00	*194.57	*194.01	
Mining.....do	152.10	156.07	154.95	154.73	154.87	155.38	155.37	156.04	156.92	156.28	157.89	158.24	157.87	*158.65	*159.95	*159.22	
Construction.....do	1.72	1.63	1.58	1.59	1.59	1.62	1.63	1.63	1.66	1.64	1.68	1.66	1.67	1.63	1.63	*1.63	
Manufacturing.....do	9.54	9.87	9.98	9.90	9.90	9.90	9.76	9.81	9.84	9.22	10.08	9.99	10.14	9.74	10.10	*10.39	
Transportation and public utilities.....do	40.17	46.13	40.45	40.35	40.94	40.41	40.37	40.55	40.65	40.72	41.08	41.26	41.24	*41.35	*41.29	*41.25	
Wholesale trade.....do	10.72	10.96	10.86	10.86	10.88	10.89	10.87	10.95	11.00	11.01	11.11	11.16	11.15	*11.22	*11.22	*11.16	
Retail trade.....do	11.45	11.52	11.46	11.41	11.48	11.50	11.50	11.57	11.55	11.63	11.63	11.62	11.62	*11.73	*11.68	*11.68	
Finance, insurance, and real estate.....do	27.10	27.81	27.72	27.65	27.98	27.80	27.67	27.82	28.10	28.14	28.05	27.97	27.59	*28.16	*28.42	*28.25	
Services.....do	11.95	12.44	12.30	12.32	12.38	12.42	12.48	12.46	12.56	12.53	12.52	12.58	12.51	12.61	12.68	*12.43	
Government.....do	39.46	41.22	40.60	40.87	40.79	41.00	41.10	41.33	41.54	41.46	41.73	41.98	41.96	*42.27	*42.83	*42.42	
Government.....do	33.28	33.72	33.99	33.98	32.85	34.14	34.04	33.93	33.86	31.29	34.35	34.16	34.76	*34.35	*34		

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																
HOURLY AND WEEKLY EARNINGS \$																
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	10.39	10.40	10.42	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	8.38	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	7.79	7.82	'7.78	'7.76	'7.80
Stone, clay, and glass products.....do	10.05	10.27	10.15	10.13	10.23	10.28	10.29	10.33	10.31	10.40	10.31	10.34	10.33	'10.37	'10.35	'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	'12.08	'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	'10.17	'10.19
Machinery, except electrical.....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
Electric and electronic equip.....do	9.65	9.90	9.84	9.84	9.82	9.83	9.84	9.89	9.90	9.98	9.95	10.00	10.05	'10.03	'10.04	'10.09
Transportation equipment.....do	12.81	12.96	12.88	12.86	12.80	12.85	12.88	12.83	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	'9.93
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	8.72	8.79	8.75	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	14.85	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	'6.04	'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	'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	'10.39	'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	12.56	12.52	12.56	12.62	'12.56	'12.54	'12.53
Petroleum and coal products.....do	14.18	14.57	14.51	14.50	14.50	14.52	14.43	14.48	14.52	14.71	14.66	14.75	14.72	'14.83	'14.94	'15.02
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	'6.16
Transportation and public utilities.....do	11.70	12.01	11.93	11.90	11.94	11.95	11.91	12.00	12.04	12.09	12.09	12.17	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	9.57	9.62	9.67	9.67	9.74	9.74	'9.79	'9.80	'9.82
Retail trade.....do	6.03	6.12	6.09	6.08	6.08	6.09	6.08	6.07	6.06	6.16	6.16	6.19	6.19	'6.25	'6.24	'6.25
Finance, insurance, and real estate.....do	8.35	8.76	8.75	8.72	8.71	8.72	8.68	8.69	8.81	8.79	8.81	8.94	8.87	'9.00	'9.07	'9.04
Services.....do	8.16	8.47	8.43	8.41	8.40	8.38	8.35	8.33	8.40	8.55	8.61	8.71	8.73	'8.79	'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	12.67	12.68	12.84	12.65	'12.87	'12.73	'12.85
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	'10.02	'10.03	'10.05
Transportation and public utilities.....do	11.70	12.01	11.89	11.92	11.96	12.05	11.97	12.04	12.08	12.04	12.09	12.09	12.10	'12.07	'12.12	'12.17
Wholesale trade.....do	9.35	9.61	9.50	9.53	9.52	9.59	9.53	9.59	9.68	9.65	9.72	9.75	9.69	'9.77	'9.75	'9.82
Retail trade.....do	6.03	6.12	6.04	6.05	6.08	6.09	6.10	6.11	6.13	6.19	6.16	6.17	6.21	'6.21	'6.19	'6.22
Finance, insurance, and real estate.....do	8.35	8.76	8.66	8.67	8.69	8.74	8.68	8.74	8.88	8.79	8.85	8.97	8.84	'8.99	'8.98	'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	'8.70	'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 †	95.0	94.0	94.6	94.4	94.2	94.0	93.8	93.7	93.7	93.8	93.6	93.8	93.6	'93.7	'93.6	'93.6
Mining †	181.4	182.3	181.7	181.4	181.3	181.6	182.1	181.8	181.6	183.0	182.3	184.1	183.7	'185.0	'184.9	'184.3
Construction †	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	'157.1	'155.3	'156.8
Manufacturing †	172.3	175.1	173.7	174.3	175.0	174.4	174.7	174.7	175.5	176.7	176.3	176.3	176.9	'176.9	'177.5	'177.8
Transportation and public utilities.....do	171.0	176.0	174.3	174.6	175.2	175.6	175.6	176.4	177.0	176.6	176.9	177.1	177.4	'176.9	'177.7	'178.4
Wholesale trade †	172.5	177.2	176.0	175.8	176.7	176.4	176.6	177.4	178.5	178.5	179.6	179.7	180.3	'180.5	'180.5	'181.0
Retail trade.....do	158.3	160.8	158.9	159.0	159.3	160.2	160.3	160.9	161.5	162.7	162.2	162.3	162.7	'163.1	'162.8	'163.3
Finance, insurance, and real estate †	179.8	188.1	187.8	187.0	186.7	187.1	186.5	186.8	189.4	188.9	189.4	192.1	190.9	'193.3	'193.2	'194.8
Services.....do	174.3	181.1	178.4	179.0	179.4	179.9	179.9	180.5	182.4	182.3	183.9	185.2	185.1	'186.4	'186.0	'187.3
Hourly wages, not seasonally adjusted:																
Construction wages, 20 cities (ENR): \$\$																
Common labor.....\$ per hr.	16.37	16.86	16.67	16.67	16.67	16.72	16.84	16.89	16.99	17.05	17.05	17.05	17.05	'17.06	'17.07	'17.11
Skilled labor.....do	21.46	22.12	21.84	21.85	21.87	21.94	22.01	22.12	22.30	22.41	22.42	22.43	22.43	'22.43	'22.45	'22.54
Railroad wages (average, class D).....do	13.84	14.25	14.47	14.13	14.23	14.28	14.28	14.34	14.32	14.26	14.13	14.17	14.37	'13.95	'14.20	
Avg. weekly earnings per worker, private nonfarm: ◊																
Current dollars, seasonally adjusted.....do	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	'317.72	'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	'169.10	'168.46	'167.97
Current dollars, not seasonally adjusted:																
Private nonfarm, total.....dollars..	304.85	312.50	307.74	308.63	308.29	310.76	312.20	312.74	315.58	314.38	317.24	318.07	318.64	315.79	'316.71	'316.48
Mining.....do	524.97	526.64	527.52	522.92	519.57	526.01	527.46	518.25	522.37	523.30	526.92	527.48	535.00	'531.71	'528.73	'517.04
Construction.....do	468.38	477.28	460.37	470.87	463.37	485.10	480.44	485.20	489.06	484.33	496.25	474.38	480.53	'465.48	'461.91	'482.03
Manufacturing.....do	396.01	406.31	401.47	402.87	398.75	403.68	405.66	400.72	403.27	408.00	410.94	414.41	421.34			

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

	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
WORK STOPPAGES																
Work stoppages involving 1,000 or more workers:																
Number of stoppages:																
Beginning in month or year.....number..	68	46	5	3	2	3	8	5	3	7	1	6	0	3		
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		
UNEMPLOYMENT INSURANCE																
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	1,309									
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		2.6	2.5	2.5	2.4	2.4									
Beneficiaries, average weekly.....thous..	2,337		2,753	2,664	2,304	1,903	1,802									
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		13	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									

FINANCE

	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
BANKING																
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			54,263			53,638			52,498			
Federal land banks and Federal land bank associations.....do	39,286	34,346		37,458			35,990			35,124			34,346			
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	265,543	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	223,563	217,361	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	832	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	218,833	207,304	212,306	208,170	207,238	211,941	217,614	218,960	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	11,069	11,068	11,075	11,085	11,082	11,078	11,068	11,063	11,063
Liabilities, total #.....do	267,359	275,566	243,485	254,382	273,590	255,122	265,543	257,388	252,736	262,649	270,048	266,491	275,566	265,174	260,693	265,072
Deposits, total.....do	56,899	48,368	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	37,133	41,973	35,149	33,144	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	58,338	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	57,260	57,594	58,078	57,329	59,020	59,977	60,232	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	793	1,129	923	1,029	1,295	1,133	922
Borrowings from Federal Reserve banks.....do	827	777	556	527	993	1,035	776	672	647	940	943	625	777	1,082	396	1,752
Free reserves.....do	580	345	726	480	-46	240	673	372	664	84	375	424	345	272	812	-711
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	6,346	5,887	5,315	5,066	5,585	5,478	5,476	5,192	5,331	6,169	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	26,537	24,378	23,154	26,993			
Transaction balances other than demand deposits *.....do	60,167	62,235	57,730	59,152	60,280	59,148	58,552	59,387	60,331	60,321	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	489,031	488,749	488,738	496,368	498,326	497,334			
Loans and leases (adjusted), total \$.....do	798,437	807,593	784,854	782,125	794,953	794,818	794,856	788,909	792,270	807,315	813,018	803,027	807,593			
Commercial and industrial.....do	239,324	279,476	281,062	280,043	277,688	278,868	275,596	269,468	268,805	275,165	275,129	275,561	279,476			
For purchasing and carrying securities.....do	14,418	12,748	13,798	13,904	20,485	14,465	14,377	14,432	14,095	17,064	18,089	12,331	12,748			
To nonbank depository and other financial.....do	28,545	24,248	24,180	24,071	25,543	25,121	25,077	23,014	22,533	23,619	23,264	23,326	24,248			
Real estate loans.....do	210,292	245,753	215,634	216,439	221,069	225,630	229,891	231,501	234,203	237,229	240,582	242,971	245,753			
To States and political subdivisions ◊.....do	34,515	30,567	34,403	34,298	33,508	33,215	32,634	31,909	31,661	31,685	31,322	31,286	30,567			
Other loans.....do	221,343	214,801	215,777	211,370	216,710	217,519	217,281	218,285	220,973	222,553	224,632	217,532	214,801			
Investments, total.....do	185,989	185,807	184,101	180,250	180,056	179,940	176,797	181,246	183,108	183,885	184,290	186,537	185,807			
U.S. Treasury and Govt. agency securities, total ◊.....do	113,784	116,749	116,590	112,955	110,606	111,722	107,910	113,702	115,607	115,805	116,726	117,499	116			

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
FINANCE—Continued																	
BANKING—Continued																	
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	333.2	314.7	315.4	318.1	321.3	321.3	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	194.2	196.2	196.2	196.0	194.0	195.7		
Total loans and leases ◊.....do	*1,584.5	1,701.4	1,613.5	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	
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	8.92	*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 1.....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	
CONSUMER INSTALLMENT CREDIT †																	
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	*132,295	*132,644	*134,740	*136,863	*139,049	*141,556	*142,359	*141,523	*141,118	*140,811	140,321		
Credit unions.....do	*77,075	*82,044	*75,307	*75,329	*76,283	*76,635	*77,381	*79,006	*80,208	*81,078	*81,450	*81,692	*82,044	*81,669	81,207		
Retailers.....do	*43,490	*46,907	*40,063	*39,665	*39,830	*40,293	*40,276	*40,192	*40,633	*40,878	*41,132	*42,438	*46,907	*44,725	43,078		
Savings institutions.....do	*56,914	*64,099	*57,107	*57,546	*58,550	*59,122	*60,137	*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	*593,512	*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	*133,912	*134,826	*134,375	*135,595	*136,414	*137,663	*138,395	*139,236	*138,928	*140,072	*141,695	142,946		
Credit unions.....do			*76,550	*76,692	*77,076	*77,188	*78,271	*79,123	*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	*59,386	*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	*140,839	*141,876	*144,777	*147,809	*149,815	*152,553	*155,196	*156,425	*159,307	*162,065	163,551		
Mobile home.....do			*26,933	*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	*5,634	*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	*-908	*1,444	*1,623	1,251		
Credit unions.....do			*279	*142	*384	*112	*1,083	*652	*693	*535	*321	*250	*142	*598	349		
Retailers.....do			*193	*159	*300	*200	*172	*248	*237	*251	*390	*279	*491	*144	154		
Savings institutions.....do			*296	*414	*578	*-338	*1,622	*1,108	*854	*301	*359	*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	*2,006	*2,738	*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		
FEDERAL GOVERNMENT FINANCE																	
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) \$	*990,231	*1,003,067	*83,842	*84,447	*88,988	*83,264	*83,429	*86,431	*81,890	*77,087	*93,055	*83,911	*109,771	*65,786	*84,258	94,108	
Budget surplus or deficit (-) \$	*-221,140	*-148,924	*-28,379	*-27,932	*-66,091	*-35,573	*-22,484	*-22,208	*-21,677	*-15,323	*-30,701	*-26,924	*-24,246	*-16,005	*-23,903	-29,147	
Budget financing, total \$	*221,140	*148,924	*28,379	*27,932	*66,091	*35,573	*22,484	*22,208	*21,677	*15,323	*30,701	*26,924	*24,246	*16,005	*23,903	29,147	
Borrowing from the public \$	*236,187	*150,989	*15,261	*7,804	*8,823	*12,834	*9,719	*-3,163	39,010	*-8,113	*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	-47,732	22,739	-9,235	25,371	-11,333	-7,210	3,459	2,168	14,110	-21,366	3,745	11,987	
Gross amount of debt outstanding \$	*2,129,964	*2,355,206	*2,246,892	*2,252,441	*2,273,417	*2,292,619	*2,314,460	*2,312,089	*2,349,272	*2,355,206	*2,389,573	*2,415,486	*2,437,637	*2,454,096	*2,477,438	2,493,195	
Held by the public \$	*1,746,044	*1,897,034	*1,836,119	*1,843,923	*1,852,746	*1,865,579	*1,875,297	*1,872,137	*1,905,147	*1,897,034	*1,924,277	*1,949,034	*1,959,170	*1,964,452	*1,984,612	2,001,771	
Budget receipts by source and outlays by agency:																	
Receipts (net), total.....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	
Individual income taxes (net).....do	*348,959	*392,557	22,505	14,240	71,850	9,275	40,521	31,889	26,884	39,797	32,429	25,089	36,537	43,987	25,651	19,868	
Corporation income taxes (net).....do	*63,143	*83,926	936	13,114	11,189	1,844	10,973	2,358	1,566	20,506	1,855	1,667	17,748	3,630	975	12,706	
Social insurance taxes and contributions (net).....mil. \$	*283,901	*303,318	25,590	23,689	33,646	30,218	24,712	23,346	25,712	25,403	22,177	23,756	23,361	23,162	23,500	25,676	
Other.....do	*73,087	*74,342	6,181	5,472	6,213	6,354	6,740	6,630	6,051	6,705	5,891	6,525	7,880	6,012	5,230	6,711	
Outlays (net), total \$	*990,231	*1,003,067	*83,842	*84,447	*88,988	*83,264	*83,429	*86,431	*81,890	*77,087	*93,055	*83,911	*109,771	*65,786	*84,258	94,108	
Agriculture Department.....do	*58,666	*49,593	3,877	4,629	4,754	2,935	1,818	4,193	3,325	783	7,645	5,194	3,806	4,428	643	4,358	
Defense Department, military.....do	*265,636	*274,007	22,857	24,073	23,758	22,836	24,012	23,477	23,707	21,470	25,274	20,660	23,356	19,227	23,066	25,756	
Health and Human Services																	
Department.....mil. \$	*333,935	*351,315	29,024	28,134	29,804	29,563	32,344	30,552	27,748	28,792	30,587	28,531	47,607	12,441	30,790	32,479	
Treasury Department.....do	*179,189	*180,345	13,744	11,917	12,047	14,193	26,202	12,323	13,866	11,143	11,796	15,912	29,084	13,902	15,184	13,136	
National Aeronautics and Space Administration.....do	*7,403	*7,591	669	583	525	661	699	671	645	698	936	772	843	622	606	804	
Veterans Administration.....do	*26,536	*26,952	2,066	1,149	2,382	2,049	2,457	3,380	1,133	2,178	3,639	893	3,771	1,210	2,158	2,555	
GOLD AND SILVER:																	
Gold:																	
Monetary stock, U.S. (end of period) @.....mil. \$																	

Units	Annual		1987										1988															
	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).....bil. \$..	212.0	230.2											207.8				215.2				216.8				230.2			
Money stock measures and components (averages of daily figures): †																												
Measures (not seasonally adjusted): ‡																												
M1.....bil. \$..	*666.8	744.0	717.1	723.5	752.5	739.9	744.4	746.8	745.0	745.2	753.7	756.0	765.9	764.8	745.1	752.5												
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	*2,899.9	*2,914.6	*2,937.5	*2,933.8	2,960.4												
M3.....do.....	*3,960.0	*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	*3,663.8	*3,677.4	*3,698.7	*3,704.8	3,731.4												
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	*4,334.1	*4,343.5	*4,382.4	4,392.4													
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	195.9	199.4	197.1	197.2	199.2												
Demand deposits.....do.....	*281.0	294.3	287.1	286.9	301.1	294.1	294.4	294.3	290.7	289.3	295.7	294.1	298.5	295.8	279.1	279.9												
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	259.3	261.5	265.3	261.9	266.3												
Overnight RP's and Eurodollars.....do.....	71.8	79.3	80.1	76.9	77.0	76.2	74.9	75.6	79.7	88.4	85.9	79.6	77.9	*82.9	*78.2	75.1												
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	*219.7	*221.1	*225.0	*231.1	235.0												
Money market deposit accounts.....do.....	*544.0	551.8	572.0	571.8	566.8	558.6	555.1	549.4	545.0	540.5	533.9	527.7	525.2	524.0	*522.6	524.9												
Savings deposits.....do.....	*328.8	407.7	386.0	395.4	405.9	412.4	417.3	420.5	418.5	417.3	418.2	418.2	410.0	411.2	412.2	418.8												
Small time deposits @.....do.....	*879.3	865.3	850.4	846.4	840.9	839.1	847.8	856.6	866.8	873.2	885.6	903.8	914.6	929.6	*944.6	954.1												
Large time deposits @.....do.....	*446.9	459.6	444.0	447.5	447.2	453.7	457.0	461.7	465.9	473.1	481.3	485.4	485.4	*485.0	*490.1	491.9												
Measures (seasonally adjusted): ‡																												
M1.....do.....			731.3	734.2	744.7	746.5	742.1	743.6	746.5	747.5	756.2	752.7	750.9	758.9	759.6	763.3												
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	*2,925.2	*2,946.4	2,969.0												
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	*3,686.2	*3,716.3	3,738.2												
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	*4,363.7	4,396.6													
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	198.4	199.3	200.9												
Demand deposits.....do.....			295.0	295.0	299.3	298.9	293.3	292.3	292.1	290.5	295.9	291.3	288.0	289.9	287.8	288.0												
Other checkable deposits ††.....do.....			245.1	248.0	253.1	253.9	254.3	255.6	257.2	258.6	260.3	259.5	259.3	263.4	265.1	267.1												
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	414.3	416.2	420.0												
Small time deposits @.....do.....			848.1	847.0	845.1	845.9	852.1	851.1	865.9	872.1	883.3	901.7	913.1	*924.6	*941.6	953.9												
Large time deposits @.....do.....			443.1	445.6	448.9	454.0	458.6	460.2	462.4	465.3	472.3	480.5	484.7	*482.8	*488.7	489.6												
PROFITS AND DIVIDENDS (QTRLY.)																												
Manufacturing corps. (Bureau of the Census):																												
Net profit after taxes, all manufacturing.....mil. \$..	83,121	114,171											23,959				31,301				33,062				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.....	3,280	4,989											996				1,206				1,433				1,354			
Chemicals and allied products.....do.....	12,900	16,395											4,251				3,888				5,591				2,670			
Petroleum and coal products.....do.....	8,823	10,900											2,821				4,435				3,829				-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																												
Securities and Exchange Commission:																												
Estimated gross proceeds, total.....mil. \$..	233,248	223,295	20,912	30,209	18,561	19,086	19,847	17,437	16,860	24,777	11,987	10,245	9,877	17,524														
By type of security:																												
Bonds and notes, corporate.....do.....	162,609	153,190	16,328	18,997	13,269	11,509	12,894	12,318	12,044	17,592	7,040	7,232	6,955	14,807														
Common stock.....do.....	55,317	56,169	3,489	8,332	4,811	6,006	5,999	4,277	4,295	5,140	3,840	2,552	2,412	1,026														
Preferred stock.....do.....	11,220	8,874	795	2,382	481	697	954	642	521	946	161	163	61	1,242														
By type of issuer:																												
Corporate, total #.....mil. \$..	229,146	218,233	20,612	29,711	18,561	18,212	19,847	17,237	16,860	23,678	11,041	9,947	9,428	17,075														
Manufacturing.....do.....	41,325	36,961	3,651	7,452	1,988	4,490	3,187	2,319	1,731	3,962	2,485	974	768	2,553														
Extractive.....do.....	4,296	7,298	34	2,107	1,669	985	664	363	96	345	374	361	265	554														
Public utility.....do.....	23,961	16,086	2,642	1,430	1,407	786	1,961	1,284	1,035	1,522	374	576	1,309	417														
Transportation.....do.....	4,560	6,017	619	2,255	511	23	546	1,267	271	11	152	150	202	1														
Communication.....do.....	12,226	4,632	432	57	67	528	786	186	618	91	857	49	834	60														
Financial and real estate.....do.....	119,131	123,998	11,937	11,130	10,615	10,099	10,310	10,407	11,377	16,264	6,249	5,931	4,018	10,974														
State and municipal issues (Bond Buyer): §																												
Long-term.....do.....	142,544	*98,673	*7,978	*14,692	*7,255	*6,863	*11,173	*7,718	*6,940	*5,744	*6,644	*8,494	*7,685	5,417	8,003	7,957												
Short-term.....do.....	20,111	*15,486	*508	676	*2,798	282	*2,005	*2,391	*2,272	*491	*1,216	*1,854	*626	404	630	215												
SECURITY MARKETS																												
Stock Market Customer Financing																												
Margin credit at broker-dealers, end of year or month.....mil. \$..	36,340	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	18,465	15,860	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	793.38	720.53	873.52	962.45	642.17	729.81	634.54	688.14	688.44												

See footnotes at end of tables.

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Units	Annual		1987										1988			
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FINANCE—Continued																
Bonds—Continued																
Yields:																
Domestic corporate (Moody's).....percent..	9.71	9.91	9.03	8.99	9.35	9.32	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	9.38	8.38	8.36	8.85	9.33	9.32	9.42	9.67	10.18	10.52	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	10.33	10.09	9.60	9.59
A.....do.....	9.95	9.99	9.20	9.13	9.36	9.33	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	9.96	8.81	8.75	9.30	9.32	9.37	10.01	10.33	11.00	11.32	10.32	10.99	10.75	10.11	10.11
Railroads.....do.....	9.85	9.63	9.22	9.13	9.30	9.33	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
Stocks																
Prices:																
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	703.60	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	1,931.86	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=100..	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) #.....1941-43=100..	262.16	330.90	318.13	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	275.49	288.16	291.95	299.77	304.87	315.79	336.67	327.04	280.84	240.41	245.87	246.47	249.68	258.47
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	228.91	224.37	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.....do.....	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=100..	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=100..	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	83.39	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	83.17	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	323.85	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	78.19	77.15	72.74	71.64	74.25	74.18	78.20	76.13	73.27	69.86	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	118.30	*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	416.63	423.70	429.01	448.39	442.80	385.05	318.75	314.54	339.28	353.58	375.54
Industrial.....do.....	387.27	422.72	428.59	450.66	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	363.26	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	439.88	384.31	373.87	410.93	435.03	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 (500 stocks).....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	2.82	2.62	2.51	2.52	2.54	2.46	2.36	2.26	2.38	3.15	3.18	3.14	3.07	2.96	2.96
Utilities (40 stocks).....do.....	6.54	6.52	5.95	6.00	6.63	6.89	6.64	6.63	6.30	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	2.03	1.90	1.90	1.97	2.37	2.62	2.63	2.57	2.44	2.34
Financial (40 stocks).....do.....	3.22	3.60	3.20	3.10	3.45	3.58	3.39	3.40	3.19	3.39	3.93	4.50	4.83	4.66	4.49	4.51
Preferred stocks, 10 high-grade.....do.....	8.76	8.37	7.93	7.52	7.94	8.41	8.31	8.25	8.32	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	*2,284,166	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..	*48,338	*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. \$..	1,448,285	*1,983,311	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..	39,150	*53,038	3,974	4,378	4,426	3,991	3,834	4,386	4,584	4,067	6,408	4,573	4,374	3,643	.....	.....
New York Stock Exchange:																
Exclusive of odd-lot stock sales (sales effected).....millions..	35,680	47,801	3,486	3,966	3,930	3,418	3,594	3,968	4,063	3,724	6,095	3,590	3,927	3,495	3,694	4,052
NASDAQ over-the-counter:																
Market value.....mil. \$..	378,216	493,301	46,987	50,933	44,773	38,501	42,752	39,750	44,959	40,424	52,213	25,550	26,946	27,577	27,609	38,729
Shares sold.....millions..	28,737	37,390	3,046	3,306	3,031	2,795	3,285	3,392	3,149	3,115	4,090	2,520	2,973	2,465	2,502	3,158
Shares listed, NYSE, end of period:																
Market value, all listed shares.....bil. \$..	2,199.26	2,216.31	2,563.18	2,628.71	2,581.26	2,603.29	2,718.55	2,845.01	2,945.88	2,885.08	2,258.54	2,079.20	2,216.31	2,321.33	2,411.62	2,346.23
Number of shares listed.....millions..	59,620	71,802	60,991	61,860	62,518	65,155	66,810	68,246	68,660	70,444	71,165	71,540	71,802	72,952	73,025	73,517

FOREIGN TRADE OF THE UNITED STATES

Exports (mdse.), incl. reexports, total @	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Excl. Dept. of Defense shipments, Seasonally adjusted.....do.....	226,818.5	252,865.3	19,360.3	21,775.7	20,496.3	20,783.7	21,126.1	21,008.4	20,222.2	20,985.7	21,752.2	23,798.8	24,801.4	22,329.7	23,559.3	.....	.....
By geographic regions:																	
Africa.....do.....	5,978.2	6,283.4	472.6	546.7	512.4	654.9	584.7	606.9	471.9	450.2	467.1	585.4	505.5	492.0	509.2	.....	.....
Asia.....do.....	64,531.8	73,267.5	5,														

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																
VALUE OF EXPORTS—Continued																
Exports (mdse.), incl. reexports—Continued																
Europe:																
France.....mil. \$.	7,215.9	7,943.2	601.0	729.3	633.5	645.4	682.5	583.9	610.6	649.2	728.1	735.9	824.5	811.1	815.8	
German Democratic Republic.....do.	67.9	53.9	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.....do.	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.....do.	4,838.3	5,529.7	483.0	501.8	458.6	479.9	517.4	369.7	387.4	423.6	441.4	491.8	541.4	504.1	483.6	
Union of Soviet Socialist Republics.....do.	1,247.5	1,479.8	51.2	67.9	168.7	196.6	135.5	200.8	144.0	64.2	54.3	104.8	260.3	263.8	328.0	
United Kingdom.....do.	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.....do.	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	5,273.1	5,511.8	5,540.8	4,912.6	5,175.8	
Latin American Republics, total #.....do.	27,968.0	31,574.4	2,206.8	2,505.2	2,338.9	2,621.3	2,639.6	3,001.6	2,639.0	2,839.1	2,785.3	2,994.9	2,913.8	2,623.9	2,728.5	
Brazil.....do.	3,885.3	4,039.9	245.5	251.9	264.6	279.7	288.3	618.5	306.2	398.3	387.7	400.3	371.4	340.6	304.8	
Mexico.....do.	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	1,369.7	
Venezuela.....do.	3,141.0	3,586.0	227.7	236.2	215.4	341.6	295.1	344.5	333.2	318.5	317.3	342.9	411.9	312.8	295.4	
Exports of U.S. merchandise, total \$.....do.	216,555.2	243,858.9	18,658.8	21,050.4	19,755.2	20,009.1	20,295.9	20,312.5	19,503.7	20,215.7	20,954.1	22,954.3	23,985.6	21,446.5	22,725.6	
Excluding military grant-aid.....do.	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	23,985.3	21,446.5	22,725.6	
Agricultural products, total.....do.	26,061.0	28,636.2	2,220.8	2,416.2	2,270.1	2,275.0	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.....do.	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 #.....mil. \$.	17,302.6	19,178.8	1,402.8	1,561.9	1,474.0	1,549.9	1,502.1	1,785.6	1,706.3	1,681.4	1,766.1	1,684.8	1,783.3	1,785.5	1,874.1	
Beverages and tobacco.....do.	2,920.2	3,666.7	235.7	297.8	303.3	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 #.....do.	17,323.8	20,416.3	1,605.6	1,706.3	1,562.5	1,503.5	1,593.3	1,613.6	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. #.....do.	8,114.5	7,713.1	564.3	619.9	633.1	623.3	653.9	604.9	674.7	658.6	630.1	660.1	816.8	560.0	548.0	
Oils and fats, animal and vegetable.....do.	1,014.9	981.4	59.0	73.3	58.2	70.1	75.4	89.3	99.4	106.4	86.2	97.4	107.9	67.9	151.6	
Chemicals.....do.	22,785.8	26,380.9	1,919.0	2,343.0	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 #.....do.	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	1,457.4	1,430.0	1,545.4	1,576.9	1,498.9	1,685.1	
Machinery and transport equipment, total #.....do.	95,289.5	108,596.0	8,488.9	9,521.4	8,996.3	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 #.....do.	60,396.8	69,637.0	5,228.6	6,008.1	5,510.7	5,762.8	5,853.2	5,516.8	5,648.9	6,087.7	6,134.5	6,775.2	6,700.1	6,431.7	6,515.9	
Transport equipment, total.....do.	34,892.7	38,959.0	3,210.3	3,513.3	3,485.6	3,196.9	3,225.5	3,228.2	2,604.6	3,410.8	3,076.6	3,847.0	3,688.2	3,009.7	3,592.0	
Motor vehicles and parts.....do.	18,575.0	20,878.8	1,683.4	1,788.2	1,762.3	1,879.8	2,045.3	1,944.0	1,367.8	1,777.9	1,812.9	2,178.5	1,782.7			
VALUE OF IMPORTS																
General imports, total.....do.	366,063.4	405,900.6	32,306.7	33,196.7	31,983.1	33,313.0	35,266.3	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.....do.																
By geographic regions:																
Africa.....do.	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	1,082.9	955.9	915.8	
Asia.....do.	153,869.1	174,452.3	13,495.3	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.....do.	3,717.0	4,135.9	339.5	305.0	325.6	372.9	390.0	375.7	406.7	386.1	322.1	293.8	301.1	467.1	430.9	
Europe.....do.	91,826.0	97,418.7	7,640.6	8,771.7	7,949.5	8,108.1	8,338.2	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.....do.	68,259.0	71,093.5	5,930.4	5,987.0	5,815.2	5,916.6	6,101.5	5,322.4	5,069.7	6,094.7	6,573.3	6,723.9	6,127.8			
Southern North America.....do.	23,465.0	26,497.9	2,376.1	2,245.4	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.....do.	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.....do.	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.....do.	2,364.5	1,345.5	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.....mil. \$.	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.....do.	81,911.1	84,575.0	6,824.5	6,804.2	6,832.3	6,938.8	7,332.6	7,340.5	7,242.4	6,780.9	7,932.0	7,179.0	7,472.2	6,959.9	7,186.4	
Europe:																
France.....do.	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.....do.	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.....do.	25,123.7	27,069.3	2,088.2	2,582.3	2,341.2	2,353.1	2,331.7	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.....do.	10,607.4	11,039.6	888.4	956.9	868.1	858.3	950.0	1,111.1	1,000.4	723.6	1,019.5	964.5	960.9	860.2	970.7	
Union of Soviet Socialist Republics.....do.	558.2	424.7	30.8	26.5	29.3	20.5	43.0	40.3	36.4	36.2	34.6	51.7	45.7	49.4	45.5	
United Kingdom.....do.	15,396.0	17,341.3	1,431.1	1,505.4	1,345.8	1,533.0	1,386.7	1,564.5	1,352.6	1,441.0	1,551.1	1,479.9	1,657.5	1,154.4	1,463.5	
North and South America:																
Canada.....do.	68,252.6	71,085.0	5,929.3	5,986.0	5,814.4	5,916.0	6,100.8	5,321.9	5,069.0	6,094.7	6,573.0	6,723.1	6,126.8	5,992.8	6,598.1	
Latin American Republics, total #.....do.	39,541.2	44,370.9	3,826.4	3,696.8	3,440.0	3,702.1	3,925.4	3,737.4	3,882.9	3,678.0	4,275.1	3,830.7	3,675.0	3,825.0	4,075.9	
Brazil.....do.	6,812.9	7,865.4	555.1	596.6	573.1	581.4	689.6	581.4	682.8	777.0	821.4	722.0	715.5	791.6	741.1	
Mexico.....do.	17,301.7	20,270.8	1,827.3	1,712.9	1,601.6	1,764.1	1,838.3	1,653.3	1,630.9	1,724.4	1,871.4	1,783.3	1,707.4	1,746.3	1,982.0	
Venezuela.....do.	5,096.7	5,579.0	518.9	425.9	390.6	491.2	490.8	524.4	575.2	428.8	532.0	426.4	408.1	444.9	416.1	
By commodity groups and principal commodities:																
Agricultural products, total.....mil. \$.	21,284.4	20,686.9	1,774.2	2,032.4	1,813.5	1,684.4	1,798.0	1,686.7	1,573.5	1,577.1	1,810.6	1,710.6	1,701.1	1,888.1	1,935.0	
Nonagricultural products, total.....do.	348,676.9	385,213.7	30,532.5	31,164.3	30,169.6	31,628.7	33,468.4	34,157.4	32,746.3	31,995.5	35,903.5	33,763.7	33,742.4	31,329.6	33,882.7	
Food and live animals #.....do.	20,802.5	20,547.1	1,753.1	1,943.8	1,742.4	1,650.5	1,863.4	1,724.9	1,629.3	1,628.7	1,816.9	1,646.5	1,665.8	1,840.1	1,838.4	
Beverages and tobacco.....do.	3,866.1	4,104.9	302.0	360.3	320.2	319.9	328.6	333.5	309.0	315.0	425.1	421.6	318.6	286.8	318.8	
Crude materials, inedible, exc. fuels #.....do.	10,431.5	11,525.7	891.5	988.9	920.2	964.9	972.5	969.1	962.9	1,029.4	1,002.1	1,015.1	1,030.3	976.7	1,050.5	
Mineral fuels, lubricants, etc.....do.	37,309.9	44,219.5	3,439.9	3,119.5	2,979.3	3,425.4	3,894.6	4,593.3	4,581.7	3,829						

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

Indexes	1986	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1988	1988	1988
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	123.1	122.3	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 @ 1977=100	154.0	164.6	158.4	159.8	161.2	163.5	165.2	168.0	169.7	170.8	169.3	169.7	168.8	168.7	170.4		
Quantity	164.9	169.2	167.9	171.1	163.3	167.7	175.7	175.7	166.6	161.9	183.4	172.1	172.9	162.1	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		
Shipping Weight and Value																	
Waterborne trade:																	
Exports (incl. reexports):																	
Shipping weight, thous. sh. tons.	328,419		25,426	28,861	28,926												
Value, mil. \$.	87,946		7,204	8,134	7,698												
General imports:																	
Shipping weight, thous. sh. tons.	450,214		36,858	36,980	33,036												
Value, mil. \$.	217,781		18,934	19,491	18,837												

TRANSPORTATION AND COMMUNICATION

TRANSPORTATION	1986	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1988	1988	1988
Air Carriers																		
Certificated route carriers:																		
Passenger-miles (revenue)	366.55	404.31	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	45,681	50,451	3,500	4,397	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	39,608			9,918			11,271			12,314								
Cargo revenues	5,623			1,447			1,553			1,637								
Mail revenues	833			211			214			221								
Operating expenses (quarterly) \$ mil.	48,725			12,514			13,028			14,152								
Net income after taxes (quarterly) \$ mil.	1,176			233			479			615								
Domestic operations:																		
Passenger-miles (revenue)	302.09	324.48	23.82	29.64	27.46	28.24	28.49	30.80	31.79	24.21	25.73	24.27	25.57					
Cargo ton-miles	3,990	4,339	307	358	345	357	359	367	374	381	414	387	385					
Mail ton-miles	1,247	1,312	100	109	110	107	100	101	99	102	112	103	161					
Operating revenues (quarterly) \$ mil.	40,921			10,449			11,370			11,934								
Operating expenses (quarterly) \$ mil.	39,833			10,367			10,545			11,202								
Net income after taxes (quarterly) \$ mil.	1,088			882			825			732								
International operations:																		
Passenger-miles (revenue)	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	3,346	3,921	259	380	312	322	231	346	334	339	333	385	343					
Mail ton-miles	493	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) \$ mil.	8,449			2,084			2,456			2,882								
Net income after taxes (quarterly) \$ mil.	167			38			209			449								
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	25,098	25,798		6,229			6,423			6,513			6,632					
Passenger, excl. Amtrak	110	95		28			24			22			20					
Operating expenses	24,652	23,831		5,752			5,733			6,415			5,982					
Net railway operating income	1,168	1,752		403			572			239			538					
Ordinary income †	733	1,989		444			556			299			690					
Traffic:																		
Revenue ton-miles, qtrly. (AAR)	867.7	948.0		226.4			230.5			242.3			248.7	273.1	274.3			
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	83.16	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	47.83	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	71	71	40	63	54	46					
Economy hotels: Average room sale, dollars	31.13	32.37	31.86	33.33	33.24	35.31	32.18	33.95	33.55	33.19	33.04	32.10	31.88					
Rooms occupied, % of total	63	64	59	68	65	67	73	76	78	63	64	55	41					
Foreign travel:																		
U.S. citizens: Arrivals (quarterly), thous.	15,343			3,883			4,483	3,816	3,999	3,416	3,349	3,195						
Departures (quarterly)	14,357			3,502			4,191	3,798	3,634	3,342	3,272	3,081						
Aliens: Arrivals (quarterly)	10,265			2,226			4,594	3,376	3,331	3,048	2,969	2,817						
Departures (quarterly)	8,818			2,056			4,008	2,965	2,833	2,598	2,510	2,384						
Passports issued	4,110	4,872	385	543	518	477	536	495	372	333	300	276	304	326	378			
National parks, recreation visits #	52,749	55,782	1,494	2,039	3,041	4,979	7,390	10,004	10,050	6,349	5,114	2,383	1,395	1,399	1,531	2,200		

See footnotes at end of tables.

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

TRANSPORTATION AND COMMUNICATION—Continued

COMMUNICATION																
Telephone carriers: ◊																
Operating revenues #	mil. \$.	73,897		18,319		18,606		18,832		18,832						
Station revenues	do.	31,218		7,859		7,882		7,595		7,595						
Tolls, message	do.	8,536		2,217		2,293		2,347		2,347						
Operating expenses (excluding taxes)	do.	48,553		11,981		12,441		12,828		12,828						
Net operating income (after taxes)	do.	13,140		3,457		3,376		3,372		3,372						
Access lines	mil.			110.7		111.1										

CHEMICALS AND ALLIED PRODUCTS

CHEMICALS																
Inorganic Chemicals																
Production:																
Aluminum sulfate, commercial (17% Al ₂ O ₃) ‡	thous. sh. tons	1,222	1,223	90	93	96	100	104	109	109	119	109	95	105	102	103
Chlorine gas (100% Cl ₂) ‡	do.	10,436	10,980	862	883	876	892	880	936	958	954	941	966	985	903	891
Hydrochloric acid (100% HCl) ‡	do.	2,413	2,495	209	206	222	207	208	210	206	201	200	198	206	*214	229
Phosphorus, elemental ‡	do.	364	343	26	32	30	28	28	26	27	28	32	27	31	30	30
Sodium hydroxide (100% NaOH) ‡	do.	10,691	11,518	914	937	897	922	909	967	1,004	998	1,008	1,026	1,036	939	905
Sodium silicate, anhydrous ‡	do.	791	948	92	63	76	83	75	73	74	67	89	85	82	*85	80
Sodium sulfate, anhydrous ‡	do.	811	805	64	65	69	65	69	66	70	75	68	67	70	*60	65
Sodium tripolyphosphate (100% Na ₃ P ₃ O ₁₀) ‡	do.	617	565	46	52	49	51	47	47	43	46	46	50	41	41	48
Titanium dioxide (composite and pure) ‡	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	783	793	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	2,134
Inorganic Fertilizer Materials																
Production:																
Ammonia, synthetic anhydrous ‡	thous. sh. tons	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 solution ‡	do.	6,089	6,416	530	628	633	581	498	461	387	457	555	560	594	570	577
Ammonium sulfate ‡	do.	2,080	2,183	186	183	183	193	159	187	182	179	181	187	181	181	191
Nitric acid (100% HNO ₃) ‡	do.	6,734	7,102	550	671	653	610	569	521	462	552	629	629	663	647	639
Nitrogen solutions (100% N) ‡	do.	2,264	2,820	251	250	285	285	201	218	166	188	232	245	254	*251	231
Phosphoric acid (100% P ₂ O ₅) ‡	do.	9,578	10,473	789	901	951	847	780	809	900	894	943	898	967	921	958
Sulfuric acid (100% H ₂ SO ₄) ‡	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 ₂ 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	13	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	(^a)	2	3	6	(^a)	7
Industrial Gases ‡																
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	13,007	14,525	14,864	15,367	14,025	12,949	12,167	*12,566	12,408	12,090
Nitrogen (high and low purity)	do.	617,386	*653,970	47,632	53,739	51,504	52,947	52,304	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	30,182	30,927	29,332	31,038	31,177	35,693	37,531	36,487	*37,907	38,064	35,576
Organic Chemicals §																
Production:																
Acetylsalicylic acid (aspirin)	mil. lb.	*30.5	*24.2	7.6				5.8			3.4			5.4		
Ethyl acetate	do.	*193.1	198.3	47.2				56.2			50.7			44.3		
Formaldehyde (37% HCHO)	do.	*5,549.4	*6,064.4	1,341.5				1,613.5			1,548.5			1,562.6		
Glycerin, refined, all grades	do.	295.0	276.4	23.8	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.	*863.1	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	63.0	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:																
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		
Stocks, end of period	do.	23.8	9.7	20.9	10.2	8.0	10.6	6.0	8.2	8.7	6.0	6.3	7.2	9.7		

See footnotes at end of tables.

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

CHEMICALS AND ALLIED PRODUCTS—Continued

PLASTICS AND RESIN MATERIALS																
Production:																
Phenolic resins.....mil. lb.	1,813.5			(2)												
Polyethylene and copolymers.....do	15,983.0	17,675.8		4,286.7				4,284.9					4,323.3			4,515.2
Polypropylene.....do	6,256.5	6,633.5		1,557.9				1,578.4					1,743.2			1,754.1
Polystyrene and copolymers.....do	7,078.4			(2)												
Polyvinyl chloride and copolymers.....do	7,288.6	7,986.0		1,909.1				1,990.9					1,990.6			2,095.4
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	339.4	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	188.9	148.7	138.9	144.5	160.7	

ELECTRIC POWER AND GAS

ELECTRIC POWER																
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	2,136,465	2,322,432	172,808	178,600	167,471	181,872	204,727	227,721	229,198	194,328	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	18,680	17,955	16,857	21,087	22,214		
Sales to ultimate customers, total (Edison Electric Institute) ◊.....mil. kw-hr.																
Commercial \$.....do	2,355,311	2,442,576		600,394			578,038			676,627			589,616			
Industrial \$.....do	630,260	659,121		155,535			158,908			186,446			159,110			
Railways and railroads.....do	817,396	846,853		199,187			211,040			222,491			214,111			
Residential or domestic.....do	4,714	4,755		1,278			1,122			1,155			1,202			
Street and highway lighting.....do	820,826	850,334		224,419			187,006			244,803			195,168			
Other public authorities.....do	14,921	14,596		3,607			3,482			3,594			3,771			
Interdepartmental.....do	62,088	62,442		15,207			15,275			16,996			15,296			
Revenue from sales to ultimate customers (Edison Electric Institute) ◊.....mil. \$.	515	4,476		1,161			1,204			1,149			1,018			
GAS ◊																
Total utility gas, quarterly (American Gas Association):																
Customers, end of period, total @.....thous.	50,961			51,933			51,657			51,174						
Residential.....do	46,818			47,651			47,418			47,039						
Commercial.....do	3,915			4,054			4,010			3,908						
Industrial @.....do	176			179			176			175						
Other.....do	52			48			54			52						
Sales to customers, total.....tril. Btu.	11,126			3,806			2,028			1,478						
Residential.....do	4,380			2,003			747			381						
Commercial.....do	2,238			908			382			254						
Industrial.....do	2,892			610			449			453						
Electric generation.....do	1,449			235			410			362						
Other.....do	167			49			41			28						
Revenue from sales to customers, total.....mil. \$.	51,194			17,418			8,914			6,237						
Residential.....do	24,750			10,215			4,315			2,461						
Commercial.....do	11,268			4,226			1,895			1,200						
Industrial.....do	10,554			2,134			1,482			1,454						
Electric generation.....do	3,949			648			1,069			1,035						
Other.....do	673			196			153			87						

FOOD AND KINDRED PRODUCTS; TOBACCO

ALCOHOLIC BEVERAGES																
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	15.31	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	14.87	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.	393.27		27.49	31.44	30.33	30.32	33.54	29.78	28.88	31.20	31.44	37.45	455.00			
Stocks, end of period.....mil. tax gal.	500.72	455.00	494.72	492.99	492.69	488.01	512.08	477.79	473.48	469.86	464.20	543.57	455.00			
Imports.....mil. proof gal.	103.59	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	38.33	3.90	4.73	4.90	3.89	3.42	2.93	2.14	1.77	2.34	3.01	2.02			
Stocks, end of period.....do	433.63	393.72	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	2.36	1.38	1.29	3.40	4.37	4.38	3.44			
Stocks, end of period.....do	15.96	14.99	17.36	17.01	16.91	16.14	16.13	17.84	16.95	18.72	13.72	16.17	14.99			
Imports.....do	14.30	13.87	.30	1.13	1.11	1.04	.81	.88	.96	1.05	1.96	2.45	1.23	.60	.72	
Still wines:																
Production.....do	748.24	441.58	5.21	5.02	5.82	4.51	5.13	7.58	96.15	176.15	78.80	25.70	24.73			
Taxable withdrawals.....do	744.14	452.34	33.42	44.29	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	463.33	453.85	398.92	447.59	617.61	617.66	598.20	601.63			
Imports.....do	90.31	82.42	5.76	7.62	8.13	7.22	6.89	7.37	6.03	5.89	8.04	7.72	5.80	4.78	4.98	
Distilling materials produced at wineries.....do																
	143.17	145.90	11.09	3.01	6.42	3.32	3.53	3.77	27.88	42.61	24.79	4.37	6.79			

See footnotes at end of tables.

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Units	Annual		1987										1988			
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
	Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986															
FOOD AND KINDRED PRODUCTS, TOBACCO—Continued																
DAIRY PRODUCTS																
Butter:																
Production (factory)..... mil. lb.	1,202.4	1,113.4	97.8	107.6	104.2	101.7	83.1	76.2	67.6	78.1	90.2	88.2	109.4	124.7	117.1	
Stocks, cold storage, end of period..... do	193.0	143.2	231.6	254.0	*247.9	*251.1	237.9	211.2	187.3	176.2	165.6	158.5	143.2	157.3	*198.8	215.4
Producer Price Index..... 1982=100	98.3	95.5	92.7	93.6	93.8	94.5	96.5	100.6	100.3	100.2	93.5	*93.2	92.5	*88.8	88.5	88.8
Cheese:																
Production (factory), total..... mil. lb.	5,209.2	5,317.7	400.9	455.9	458.3	484.7	463.8	458.1	423.5	427.0	445.7	429.1	457.0	492.8	428.8	
American, whole milk..... do	2,798.2	2,740.9	211.2	238.7	246.0	264.3	246.1	240.6	208.5	206.5	217.6	210.2	231.7	225.8	221.0	
Stocks, cold storage, end of period..... do	693.6	*457.1	*652.4	*646.5	*646.2	*666.8	*659.0	*642.5	*606.6	*580.8	*538.0	*495.9	*457.1	452.8	*445.9	432.7
American, whole milk..... do	601.7	*367.4	*564.3	*557.1	*553.3	*569.4	564.7	*547.1	*509.7	*485.3	*441.2	*408.4	*367.4	362.7	*357.5	343.7
Imports..... do	311.4	264.9	15.5	21.4	15.6	16.4	18.4	27.6	24.9	23.9	29.3	33.3	24.3	19.8	17.1	
Price, wholesale, cheddar, single daisies (Chicago)..... \$ per lb.	1.575	(*)														
Condensed and evaporated milk:																
Production, case goods..... mil. lb.	584.4	568.2	41.1	47.2	50.1	56.3	52.9	50.0	46.1	41.5	46.3	45.4	51.5	44.2	41.6	
Stocks, manufacturers', case goods, end of period..... do	45.0	31.8	53.3	55.0	58.8	69.9	84.2	93.9	100.9	85.5	64.2	34.8	31.8	40.2	51.8	
Exports..... do	10.8	5.2	.4	.5	.4	.4	1.1	.4	.3	.4	.5	.3	.2	.1	.6	
Fluid milk:																
Production on farms †..... do	121,433	121,094	9,226	10,384	10,381	10,949	10,475	10,393	10,138	9,718	9,931	9,572	10,088	10,205	9,740	10,647
Utilization in manufactured dairy products..... do	82,606	81,890	6,304	7,179	7,291	7,896	7,395	7,219	6,518	6,416	6,486	6,121	6,798	*6,881	6,847	
Price, wholesale, U.S. average..... \$ per 100 lb.	12.50	12.59	12.90	12.50	12.30	12.00	11.90	12.00	12.30	12.74	12.90	12.90	12.70	12.50	12.30	*12.00
Dry milk:																
Production:																
Dry whole milk..... mil. lb.	122.4	144.7	12.6	11.3	9.4	11.1	12.4	11.3	12.0	12.5	15.6	12.7	12.5	13.6	13.4	
Nonfat dry milk (human food)..... do	1,284.1	1,039.2	80.3	87.8	101.4	118.6	104.8	98.6	80.0	65.7	65.6	65.0	89.3	83.8	85.8	
Stocks, manufacturers', end of period:																
Dry whole milk..... do	6.7	8.0	8.0	7.4	9.2	6.6	8.2	7.3	6.3	5.7	6.4	6.5	8.0	9.1	9.0	
Nonfat dry milk (human food)..... do	57.9	65.1	66.5	60.5	65.3	86.8	83.4	71.3	65.4	55.1	45.0	45.1	65.1	56.9	63.5	
Exports, whole and nonfat (human food)..... do	482.4	387.8	24.3	47.9	26.4	35.4	27.0	66.1	58.0	39.3	13.7	15.7	13.7	21.9	12.0	
Price, manufacturers' average selling, nonfat dry milk (human food)..... \$ per lb.	.810	.793	.794	.794	.792	.794	.795	.793	.791	.801	.793	.788	.780	.744	.738	
GRAIN AND GRAIN PRODUCTS																
Exports (barley, corn, oats, rye, wheat)..... mil. bu.	2,083.9	2,920.4	181.8	229.7	272.6	250.7	245.5	304.7	237.8	267.3	257.9	216.2	278.9	288.5	274.9	
Barley:																
Production (crop estimate)..... do	*610.5	*527.0														
Stocks (domestic), end of period, total..... do	*324.8	*335.6					*335.6									
On farms..... do	*199.3	*193.9					*193.9									
Off farms..... do	*125.6	*141.7					*141.7									
Exports, including malt \$..... do	75.9	143.0	16.5	18.2	17.2	10.7	.7	7.7	9.3	10.2	17.1	18.1	16.1	9.8	7.2	
Producer Price Index, No. 2 feed, Minneapolis..... 1982=100	74.6	*85.7	72.7	72.9	92.5	100.3	88.8	86.2	79.4	90.4	95.1		91.4	*89.3	89.3	97.7
Corn:																
Production (crop estimate, grain only)..... mil. bu.	*8,249.9	*7,064.1														
Stocks (domestic), end of period, total..... do	*10,305.5	*9,768.5	8,248.2				*6,332.2				*4,881.7			*9,768.5		7,631.5
On farms..... do	*6,795.5	*6,100.0	5,024.0				*3,491.8				*2,284.5			6,100.0		4,421.0
Off farms..... do	*3,510.0	*3,668.5	3,224.2				*2,840.4				*2,597.2			*3,668.5		3,210.5
Exports, including meal and flour..... do	1,064.7	1,606.7	98.9	141.6	183.5	169.2	119.9	133.7	111.3	135.2	137.7	122.5	148.8	133.5	123.7	
Producer Price Index, No. 2, Chicago..... 1982=100	83.5	67.7	61.3	61.9	68.0	75.9	74.5	67.1	59.4	64.8	68.3	73.1	75.7	*73.3	80.8	80.2
Oats:																
Production (crop estimate)..... mil. bu.	*386.4	*373.8														
Stocks (domestic), end of period, total..... do	*183.7	*132.7					*132.7									
On farms..... do	*147.2	*103.3					*103.3									
Off farms..... do	*36.5	*29.4					*29.4									
Exports, including oatmeal..... do	3.9	2.1	.2	.3	.2	.2	.2	.1	.2	.1	.2	.1	(*)	.2	.2	
Producer Price Index, No. 2, Minneapolis..... 1982=100	69.3	*92.5	86.6	86.6	81.9	100.1	88.8	85.1	89.8	99.1		106.2	106.2	*107.0	110.7	103.0
Rice:																
Production (crop estimate)..... mil. bags #.	*133.4	*127.7														
Southern States mills (Ark., La., Tenn., Tex.):																
Receipts, rough, from producers..... mil. lb.	10,242		551	438	462	362	418	271								
Shipments from mills, milled rice..... do	6,556		583	580	681	591	651	634								
Stocks, domestic, rough and cleaned (cleaned basis), end of period..... mil. lb.	3,046		2,566	2,302	1,983	1,743	1,574	1,330								
Exports..... do	5,111	5,247	411	365	399	560	254	582	474	439	556	517	349	409	299	
Producer Price Index, medium grain, milled..... 1982=100	91.2	83.6	75.9	75.7	75.5	76.6	76.7	76.5	77.2	80.9	100.6	*101.0	104.9	*107.8	115.4	117.7
Rye:																
Production (crop estimate)..... mil. bu.	*19.5	*19.7														
Producer Price Index, No. 2, Minneapolis..... 1982=100	57.0	54.7	57.7	57.1	50.5	61.5	51.3	51.3	49.1	51.3	60.1	52.7	55.7	*54.9	54.9	50.5
Wheat:																
Production (crop estimate), total..... mil. bu.	*2,092	*2,105														
Spring wheat..... do	*570	*542														
Winter wheat..... do	*1,522	*1,563														
Distribution, quarterly @..... do	2,076	2,293	429				437			940			487			
Stocks (domestic), end of period, total..... do	*2,673.5	*2,505.3	2,250.4				*1,820.9			2,988.5			*2,505.3		1,908.5	
On farms..... do	*1,063.0	*971.0	794.0				*560.0			1,168.0			971.0		737.0	
Off farms..... do	*1,610.5	*1,534.3	1,456.4				*1,260.9			1,820.5			*1,534.3		1,171.5	
Exports, total, including flour..... do	939.0	1,168.1	66.0	69.5	71.8	70.6	124.6	163.2	117.0	121.5	102.9	75.5	114.0	145.0	143.8	
Wheat only..... do	883.7	1,106.7	62.5	63.9	65.1	63.9	119.4	157.0	112.5	118.0	100.4	69.0	109.8	137.9	141.7	

See footnotes at end of tables.

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—Continued																
GRAIN AND GRAIN PRODUCTS—Continued																
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.) 1982=100..	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	29,758	28,236	29,545	29,919	31,827	30,227	28,558	*25,858	26,380	.....
Milled.....thous. sh. tons.....	6,011	6,241	506	512	507	534	532	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	5,738	5,738	5,738	5,738	6,176	6,176	6,176	5,872	5,872	5,872	5,765	.....	.....	.....
Exports.....do.....	23,741	26,367	1,508	2,417	2,852	2,856	2,232	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	93.5	90.1	88.4	88.0	90.1	91.3	*90.1	90.0	91.1	94.3	90.8
POULTRY AND EGGS																
Poultry:																
Slaughter.....mil. lb.....																
Stocks, cold storage (frozen), end of period, total.....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	.....
Turkeys.....do.....	369	*501	409	427	457	*513	*593	676	745	*842	841	*530	*501	526	*562	593
Price, in Georgia producing area, live broilers.....\$ per lb.....	178	282	211	*226	251	*298	*382	473	560	*641	630	*322	282	299	*335	353
Eggs:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Production on farms.....mil. cases \$..	325	270	275	270	270	280	250	255	290	270	230	235	220	245	230	250
Stocks, cold storage, end of period:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shell.....thous. 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
Frozen.....mil. lb.....	22	43	25	32	28	38	32	34	32	33	51	40	43	67	*53	67
Price, wholesale, large (delivered; Chicago) \$ per doz.....	13	17	13	14	15	17	17	17	17	16	18	17	18	18	18	14
.....	681	579	620	592	590	518	556	554	587	648	555	563	521	512	489	536
LIVESTOCK																
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	2,977	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	68.23	70.00	75.00	90.00	90.63	77.50	79.22	80.25	82.50	82.50	83.00	86.88	87.50	87.50
Hogs:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Slaughter (federally inspected).....thous. animals..	77,290	*78,913	5,886	*6,787	6,492	*5,922	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	43.19
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	63.50	72.44	78.17	79.38	79.50
MEATS																
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	*3,331	*3,521	*3,197	3,378	3,242	3,070	3,354
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 pre- parations).....do.....	1,722	2,017	133	151	157	176	167	177	178	180	176	191	181	159	153	.....
Imports (meats and meat pre- parations).....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	1,833	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	*332	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	65	198	134	.....
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.) (Central U.S.).....\$ 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	199	181	175	186	212	*252	285	287	*308	346	.....
Exports.....do.....	133	155	9	12	11	14	10	9	10	12	16	22	22	14	16	.....
Imports.....do.....	928	1,017	77	86	86	78	89	87	84	85	94	86	80	77	90	.....
Prices:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Producer Price Index, Hams, smoked 1982=100..	102.0	104.0	96.4	95.6	98.4	99.4	100.4	103.4	103.1	108.3	113.2	*113.1	115.9	*101.8	99.5	99.6
Fresh loins, 8-14 lb. average, wholesale (N.Y.).....\$ per lb.....	1.285	1.265	1.241	1.132	1.228	1.363	1.430	1.395	1.429	1.413	1.218	1.019	1.042	1.245	1.150	1.098
MISCELLANEOUS FOOD PRODUCTS																
Cocoa (cacao) beans, imports (including shells).....thous. lg. tons..																
.....	201.5	258.5	28.0	22.8	30.5	20.6	10.2	10.6	14.0	5.6	22.1	23.9	43.9	27.0	30.0	.....
Coffee:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imports, total.....thous. bags \$..	19,433	19,906	1,218	1,841	1,789	1,883	2,181	1,717	1,481	1,770	2,631	1,246	1,056	1,175	1,683	.....
From Brazil.....do.....	2,200	3,928	118	236	346	400	363	345	275	523	745	239	161	357	373	.....
U.S. Import Price Index f.....1985=100..	132.5	81.6	84.1	.....	.....	.....	79.8	.....	.....	76.9	.....	.....	85.5	.....	*92.8	.....
Fish:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stocks, cold storage, end of period.....mil. lb.....	340	421	296	289	279	281	320	354	394	421	436	447	421	419	*398

See footnotes at end of tables.

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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	87,312	34,371	52,906	27,609	26,994	33,431	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	14,377	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	25,388	43,120	41,399	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	33,135	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	18,374	18,318	19,585	15,455	15,015	14,806	13,557	15,703	14,677	16,033	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	18,385	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	(3)	(3)	(3)	(3)	12,108	(3)	(3)	
Slippers.....do..	55,327	*39,895	2,488	3,182	2,932	2,989	4,480	2,897	3,935	4,282	4,297	3,823	*2,252	2,675	3,470	
Athletic.....do..	9,350		515	520	571	543	616	485	(3)	(3)	(3)	494	(3)	267	282	
Other footwear.....do..	2,971	*4,150	473	378	458	485	322	215	294	323	266	264	*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	105.9	105.8	*106.6	107.2	*107.4	107.5	107.3

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..	*7,403	8,143	384	393	449	430	461	470	613	586	620	279	*998	955		
Softwoods.....do..	*35,273	37,910	2,923	3,349	3,167	3,088	3,444	3,192	3,124	3,031	3,122	2,870	*2,831	2,859		
Shipments, total.....do..	*42,618	47,090	3,302	3,735	3,686	3,656	4,039	3,671	3,812	3,540	4,034	3,470	*3,865	3,790		
Hardwoods.....do..	*7,486	9,045	453	480	499	471	492	480	609	609	646	301	*1,023	1,025		
Softwoods.....do..	*35,132	38,045	2,849	3,255	3,187	3,185	3,547	3,191	3,163	2,931	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	1,335	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	4,823	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	1,032	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	673	716	809	
Shipments.....do..	9,430	10,340	833	981	898	941	1,025	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	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	47	34	45	48	45	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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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.	
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.....do	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	938			
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.....thous. 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.....do	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	852	1,012	891	967	1,049	947	999	854	1,044	892	859	873	963		
Stocks (gross), mill, end of period.....do	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	145.3	173.9	12.3	14.6	13.6	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.....do	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	8.9	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	688	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	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	89	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	2,137	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.....do	4,344	4,420	4,366	4,411	10,124	4,260	4,316	4,368	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	931	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	5,031	5,334	5,085	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	438	626	647	441	644	223	27	
Stocks, total, end of period.....do	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	10,485	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	13,343	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	1,023	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.....do	226	274	214	222	223	244	289	258	262	260	256	275	274			
Castings, gray and ductile iron:																
Shipments, total.....thous. sh. tons	8,333	9,598	713	837	874	796	875	786	774	797	962	770	690	674	724	
For sale.....do	5,536	6,342	484	549	553	524	559	535	539	482	650	533	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.

Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
METALS AND MANUFACTURES—Continued																	
Steel, Raw and Semifinished																	
Steel (raw):																	
Production.....thous. sh. tons...	81,606	78,151	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	8,768	
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	92.2	
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	79	70	79		
Steel Mill Products																	
Steel products, net shipments:																	
Total (all grades).....thous. sh. tons...	70,263	76,654	5,527	6,234	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	393	429	593	608		
Rails and accessories.....do.....	640	751	37	43	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.....	4,239	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	333	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	3,377	3,184	3,154	3,303	3,617	3,335	3,566	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.....	18,250	18,859	1,020	1,117	1,135	1,153	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	2,610	2,620		
Construction, incl. maintenance.....do.....	5,141	5,619		1,302			1,335			1,474			1,470	2,491	2,480		
Contractors' products.....do.....	2,559	2,701		546			613			700			807	2,231	2,232		
Automotive.....do.....	9,871	11,135		3,065			2,415			2,467			2,765	2,889	2,950		
Rail transportation.....do.....	674	734		160			157			176			218	281	2105		
Machinery, industrial equip., tools.....do.....	1,323	2,096		488			372			521			563	2,210	2,204		
Containers, packaging, ship. materials.....do.....	4,075	4,371		921			1,127			1,146			1,158	2,337	2,302		
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	12.7	12.5	12.3	12.3	12.1	12.0	11.7	12.4	12.3			
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	5.7	5.7	5.5	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	6.4			
NONFERROUS METALS AND PRODUCTS																	
Aluminum:																	
Production, primary (dom. and foreign ores).....thous. met. tons.....	3,036	3,343	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	133.6	120.6	106.1	105.3	124.2	103.6	101.6	111.6	101.4		
Plates, sheets, bars, etc.....do.....	495.3	452.3	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	25.5	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	1.0709	
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	1,038	944	1,055	910			
Sheet and plate.....do.....	6,629	7,379	543	644	615	616	699	619	594	621	613	566	696	536			
Castings.....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	108.6			
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																
Electrowon.....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	33.7	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	203	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	.7485	.8042	.8218	.8561	.8885	1.0853	1.3332	1.3250			

See footnotes at end of tables.

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Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
METALS AND MANUFACTURES—Continued																	
NONFERROUS METALS AND PRODUCTS—Continued																	
Copper-base mill and foundry products, shipments (quarterly total):																	
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	27.3	23.5	27.0	26.2	23.9	24.0	28.1	28.4	23.1	'25.4	27.9			
Recovered from scrap (lead cont.).....do	'614.9	'782.1	49.9	54.4	55.6	59.3	53.9	59.9	63.4	53.3	67.3	55.9	55.1	52.2			
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	28.4	19.2	21.8	27.1	21.2	21.9		
Consumption, total.....do	1,124.8	'191.5	85.8	99.8	97.8	98.0	100.2	94.3	99.7	108.2	115.1	102.8	'97.2	96.6			
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	67.0	69.7	62.8	59.2	57.0	59.9		
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	11.5	14.9	18.1	21.6	21.8			
Consumers' (lead content).....do	83.8	'67.7	58.1	59.5	58.0	60.7	59.5	60.9	64.3	65.4	65.5	68.2	'67.7	69.3			
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	27.3	27.1	24.4	'24.0	22.6			
Price, common grade, delivered @ @...\$ per lb.	.2205	.3594	.2604	.2600	.2784	.3495	.3693	.4167	.4200	.4200	.4200	.4200	.4200	.3800			
Tin:																	
Imports (for consumption):																	
Ore (tin content).....metric tons	4,080	2,967	727	195	387	154		732	422		56		294	400	123		
Metal, unwrought, unalloyed.....do	35,768	41,151	3,347	3,034	5,448	3,427	3,036	4,196	3,009	3,369	4,168	3,403	1,779	2,761	2,582		
Recovery from scrap, total (tin cont.).....do	7,243	'11,984	817	982	859	807	916	786	875	905	888	881	'838	851			
As metal.....do	'714	1,457	137	153	150	134	110	114	94	102	94	94	111	88			
Consumption, total.....do	50,100	51,900	3,900	4,200	4,700	4,300	4,200	4,400	4,400	4,400	4,300	4,600	4,400	4,500			
Primary.....do	37,400	39,800	2,900	3,200	3,400	3,300	3,200	3,500	3,500	3,500	3,300	3,600	3,400	3,500			
Exports, incl. reexports (metal).....do	3,022	1,701	120	200	249	137	164	180	135	74	77	84	179	87	185		
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	5,533	6,402	5,460	'4,428	4,600			
Price, Straits quality (delivered).....\$ per lb.	\$3.6991	4.1878	4.1715	4.1401	4.1830	4.2179	4.1449	4.0309	4.1148	4.2073	4.2480	4.3328	4.2777	4.2659			
Zinc:																	
Imports (general):																	
Ores (zinc content).....do	197.7	425.5	28.5	28.3	28.2	40.0	37.2	35.7	38.5	32.7	54.8	32.8	31.1	'34.4	27.2		
Metal (slab, blocks).....do	667.1	705.9	51.9	64.8	58.7	50.7	53.4	66.4	68.5	61.3	67.0	56.5	63.4	53.2	48.6		
Consumption (recoverable zinc content):																	
Ores.....do	21.9	6.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5		
Scrap, all types.....do	273.8	'285.6	22.4	23.7	22.6	23.5	23.3	24.8	23.4	23.1	25.0	25.0	27.4	26.1			
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	15.5	16.3	14.6	16.4	14.9	'16.4	17.3	
Consumption, fabricators.....do	'706.0	1,037.0	55.1	63.9	59.1	59.0	60.6	55.6	61.4	59.1	60.1	59.0	'84.4	90.0			
Exports.....do	1.9	1.1	.2	(?)	(?)	(?)	(?)	.1	.2	.3			.1	(?)	1.0		
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	6.4	6.9	5.5	7.0	6.6	'4.4	4.3	
Consumers'.....do	'54.2	'45.5	44.4	41.2	41.5	43.1	44.1	44.3	43.5	42.3	41.8	40.1	'45.5	44.9			
Price, high grade.....\$ per lb.	.3800	.4192	.3838	.3770	.3819	.4223	.4505	.4567	.4443	.4259	.4175	.4238	.4331	.4444	.4544		
MACHINERY AND EQUIPMENT																	
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly #.....mil. \$.																	
Electric processing heating equipment.....do	148.2	'226.0		28.9				48.2			101.0			49.4			
Fuel-fired processing heating equip.....do	65.5	54.9		11.7				17.2			15.3			10.8			
Material handling equipment (industrial):	82.6	'171.1		17.2				31.0			85.7			38.6			
Shipments.....do																	
Industrial supplies, machinery and equipment: New orders index, seas. adjusted.....1977=100																	
Industrial suppliers distribution:	119.1	128.7	124.3	126.9	123.2	128.0	126.3	124.6	128.0	131.2	134.7	138.2	140.1	142.5	140.4		
Sales index, seas. adjusted.....1977=100	145.0	145.7	138.7	143.6	151.1	143.0	140.5	149.6	151.5	147.3	151.5	149.4	143.5				
Inflation index, not seas. adj. (tools, material handling equip., valves, fittings, abrasives, fasteners, metal products, etc.).....1977=100	164.7	166.6	165.3	165.9	166.2	166.3	166.5	166.3	166.5	166.9	167.1	167.4	169.0	168.9	168.0	170.2	
Fluid power products shipments indexes:																	
Hydraulic products \$.....1985=100	98	107	103	112	115	109	117	111	104	105	113	103	101	'119	130		
Pneumatic products \$.....do	98	105	97	107	102	100	104	113	104	109	116	107	108	'108	122		
Machine tools:																	
Metal cutting type tools:																	
Orders, new (net), total.....mil. \$.	1,544.25	1,451.45	103.70	124.45	79.55	144.30	114.95	102.10	96.35	126.10	198.15	89.10	175.25	223.95	'250.40	'191.85	
Domestic.....do	1,376.55	1,294.45	98.35	107.55	65.15	139.60	98.35	84.60	90.25	116.75	187.15	65.75	154.80	205.75	'217.95	'174.10	
Shipments, total.....do	1,890.30	1,676.50	99.25	138.65	115.85	161.65	165.10	136.30	118.35	143.10	134.85	125.95	226.20	'70.20	'108.90	'137.85	
Domestic.....do	1,684.70	1,498.35	88.80	118.20	102.10	146.00	148.20	127.90	99.85	126.65	117.95	110.20	208.90	61.60	'97.00	'124.10	
Order backlog, end of period.....do	897.2	672.2	889.4	874.2	837.9	821.0	770.9	736.7	714.7	697.7	761.0	724.2	672.2	825.0	966.4	'1,020.4	
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	56.75	69.25	48.20	67.15	73.55	47.65	'62.55	
Domestic.....do	506.80	536.05	43.10	28.70	45.00	36.50	78.45	43.90	36.60	40.35	59.55	36.35	54.65	'60.30	40.90	'47.90	
Shipments, total.....do	688.20	647.15	47.35	43.85	56.50	46.95	68.05	61.50	40.05	57.35	74.80	52.10	62.20	72.15	57.55	'68.95	
Domestic.....do	621.35	537.90	42.65	35.85	48.05	43.80	54.65	54.35	33.60	43.00	63.25	38.40	44.05	64.05	48.10	'61.80	
Order backlog, end of period.....do	307.1	327.3	320.2	317.0	311.3	307.6	327.4	326.8	322.4	331.8	326.2	322.4	327.3	328.7	318.8	'312.4	

See footnotes at end of tables.

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METALS AND MANUFACTURES—Continued

MACHINERY AND EQUIPMENT—Continued																
Tractors used in construction, shipments, qtrly: Tracklaying (ex. shovel loaders).....	units..	8,440	9,657		1,789			2,891			*2,706			2,321		
	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..	53,723	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		
ELECTRICAL EQUIPMENT																
Batteries (auto-type replacement), shipments.....	thous..	60,306	59,878	3,709	3,912	3,876	4,272	5,828	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
Household major appliances (electrical), factory shipments (domestic and export) #.....																
Air conditioners (room).....	do...	45,072	47,838	3,477	4,053	4,139	3,947	4,747	4,012	3,934	4,207	4,047	3,676	3,626	3,557	
Dishwashers.....	do...	2,816	3,798	243	582	542	655	656	350	196	93	84	62	170	200	
Disposers (food waste).....	do...	3,918	4,032	324	350	338	294	369	322	335	342	355	336	331	307	
Microwave ovens/ranges @.....	do...	4,269	4,438	367	364	352	347	356	343	357	409	436	325	325	361	
Ranges.....	do...	12,444	12,610	892	838	1,071	807	1,021	913	978	1,277	1,318	1,210	1,149	957	
Refrigerators.....	do...	3,318	3,346	248	279	281	256	289	286	290	289	307	285	255	235	
Freezers.....	do...	6,510	6,972	461	517	531	589	821	732	700	619	552	499	470	444	
Washers.....	do...	1,222	1,260	82	105	97	106	136	137	138	109	87	93	86	91	
Dryers (incl. gas).....	do...	5,765	5,998	447	510	461	452	602	484	520	596	497	470	454	531	
Vacuum cleaners (qtrly).....	do...	4,245	4,637	366	390	338	323	426	363	381	450	403	391	370	413	
GAS EQUIPMENT (RESIDENTIAL)																
Furnaces, warm air, shipments.....	thous..	2,105	2,073	153	149	138	118	140	157	203	234	241	194	179	157	134
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.....	1982=100 ..	99.7	100.1	100.1	100.1	99.4	99.4	99.4	99.8	100.0	100.1	100.3	*101.0	101.1	*102.0	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					
Electric power utilities.....	do...	684,227	717,006	53,640	54,568	51,337	56,414	63,414	70,632	69,980	59,187	57,068	55,901	62,466		
Industrial, total.....	do...	111,151		8,688	8,634	9,369	9,040	8,358	9,182	9,326	9,036					
Coke plants (oven and beehive).....	do...	35,973		2,502	2,677	3,294	3,232	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	170,901	168,775	156,308	152,401	158,654					
Electric power utilities.....	do...	154,707	163,902	151,296	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	13,338	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	6,183	6,456	7,174	6,439	7,614	6,474	6,448	7,037	8,009	4,390	4,451
Producer Price Index.....	1982=100 ..	100.8	96.9	99.3	99.0	97.2	96.3	96.5	96.0	96.1	95.7	96.0	*96.3	95.3	*94.6	96.7
COKE																
Production:																
Beehive and oven (byproduct).....	thous. sh. tons..	25,540			5,937			7,073			7,591					
Petroleum coke §.....	do...	36,903	37,352	2,919	3,044	2,991	3,078	3,107	3,175	3,133	3,024	3,074	3,194	3,407	3,464	
Stocks, end of period:																
Oven-coke plants, total.....	do...	2,066			1,353			1,546			1,338					
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
PETROLEUM AND PRODUCTS																
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
Gross input to crude oil distillation units.....	mil. bbl.	4,681.4	4,730.5	346.6	378.1	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	86	85	82	83	83	83	
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...	3,168.3	3,033.3	232.9	258.8	252.8	257.5	247.9	255.5	253.9	245.7	257.1	249.9	258.6	255.6	
Natural gas plant liquids.....	do...	587.1	608.5	47.4	52.0	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	181.1	162.1	171.5	157.8	154.1	156.0	
Refined products.....	do...	628.0	568.7	46.4	46.5	43.6	42.1	43.3	58.0	46.2	49.3	42.4	49.3	53.7	57.9	
Change in stocks, all oils.....	do...	73.7	15.3	-22.8	-3.6	-17.1	1.3	6.5	11.2	31.0	14.5	-3.5	32.1	-29.5	-10.6	
Product demand, total.....	do...	6,227.9	6,324.5	495.9	517.3	520.9	515.7	524.4	547.7	526.5	519.7	544.1	504.0	575.0	561.5	
Exports:																
Crude petroleum.....	do...	56.2	56.2	8.4	5.1	7.4	2.1	3.5	4.6	4.4	3.5	2.6	4.9	6.8	6.6	
Refined products.....	do...	229.3	225.2	19.3	17.3	18.4	18.2	16.5	16.2	16.1	20.2	17.3	17.1	25.9	21.0	

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Units	Annual		1987											1988		
	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	93.7	93.1	90.1	82.8	83.8	83.8	78.7	85.3	97.2	87.1	103.1	109.0		
Residual fuel oil.....do	517.7	457.4	41.2	37.8	37.7	81.8	36.2	39.8	36.9	38.5	32.1	35.4	44.7	48.9		
Jet fuel.....do	477.2	492.3	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	1,637.3	1,607.9	1,597.3		
Crude petroleum.....do	842.8	889.9	848.7	853.3	853.0	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	587.1	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	207.3	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	.976	.961	.938	.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	8.2		
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	4.2	7.4	11.7	6.6	6.5	6.9	5.4	11.0	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	47.3	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	18.3	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	7,855	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	745	810	838	817	887	847		
WOODPULP																
Production:																
Total.....thous. sh. tons	'57,017	59,582	4,616	5,026	4,879	4,900	4,971	5,111	5,083	4,925	5,066	4,812	5,160	5,271		
Dissolving pulp.....do	1,258	1,312	98	114	108	99	113	123	102	112	88	137	109	98		
Paper grades chemical pulp.....do	46,081	48,310	3,750	4,077	3,964	3,981	4,035	4,141	4,162	3,947	4,110	3,851	4,227	4,285		
Groundwood and thermo- mechanical.....do	5,487	5,714	443	474	450	470	468	484	487	506	501	472	484	512		
Semi-chemical.....do	4,191	4,246	324	361	357	351	355	364	333	359	367	352	339	376		
Inventories, end of period:																
At pulp mills:																
Own use woodpulp.....do	176	170	200	197	186	183	177	173	177	167	161	162	170	154		
Market pulp.....do	292	224	338	292	300	286	276	281	340	273	267	290	224	292		
Market pulp at paper and board mills.....do	527	529	561	573	580	570	593	608	539	561	531	499	529	508		
Exports, all grades, total.....do	'4,308	5,047	372	471	571	377	455	463	390	442	333	365	523	391	444	
Dissolving and special alpha.....do	711	691	65	83	59	52	1	65	62	65	61	72	67	41		
All other.....do	'3,599	4,356	307	553	512	325	454	398	328	377	280	304	450	324	403	
Imports, all grades, total.....do	'4,340	4,974	392	447	377	388	390	401	380	546	386	411	415	390	429	
Dissolving and special alpha.....do	148	96	12	12	11	1	10	2	14	13	11	3	2	10		
All other.....do	'4,193	4,899	379	459	366	387	379	399	366	533	375	4				

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PULP, PAPER, AND PAPER PRODUCTS—Continued

PAPER AND PAPER PRODUCTS																
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	6,463	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	1,543	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	134	.....
Shipments.....do.	'1,540	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.	399	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	732	.....
Inventory, end of period.....do.	277	193	331	333	323	323	273	286	326	271	286	298	193	295	328	.....
United States:																
Production.....do.	5,108	5,300	400	431	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. surt. 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

RUBBER																
Natural rubber:																
Consumption.....thous. metric tons.	743.56	775.82	85.38	81.30	62.30	62.61	56.30	67.35	61.41	61.85	57.39	60.63	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	46.83	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	.....
Synthetic rubber:																
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	160.53	163.09	157.92	161.88	163.56	172.19	185.08	167.56	174.07	.....	.....	.....
Stocks, end of period.....do.	235.61	229.65	249.44	242.62	240.34	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	.....
TIRES AND TUBES																
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	5,773	4,966	4,177	.....	.....	.....
Replacement equipment.....do.	176,659	186,496	12,351	14,132	15,032	14,949	17,983	16,531	15,833	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	34,338	38,341	40,673	39,962	40,312	37,872	37,344	37,501	36,234	34,539	33,702	34,338	.....	.....	.....
Exports (Bu. of Census).....do.	5,202	9,580	144	895	746	762	844	745	793	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

See footnotes at end of tables.

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STONE, CLAY, AND GLASS PRODUCTS																	
PORTLAND CEMENT																	
Shipments, finished cement.....thous. bbl.	1,470,500	1,480,410	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		
CLAY CONSTRUCTION PRODUCTS																	
Shipments:																	
Brick, unglazed (common and face) mil. standard brick	7,401.9	7,313.2	443.5	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				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		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	108.6	108.7	108.6	109.4	109.7	110.3	
GLASS AND GLASS PRODUCTS																	
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	24,310	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	1,837	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	7,923	6,307		
Liquor and wine.....do	27,856	27,535	2,133	2,409	2,800	2,429	3,155	2,479	2,135	1,987	2,235	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	5,391	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.....do	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		
GYPSUM AND PRODUCTS																	
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.....do	9,559	9,717	630	688	833	987	884	810	821	879	952	817	635	837			
Sales of gypsum products:																	
Uncalcined:																	
Calcined:	3,359	4,110	155	163	242	336	567	264	309	317	311	654	591	342			
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	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.....do	123	114	8	10	10	8	10	10	10	10	10	9	10	9			
1/8 mobile home board.....do	751	777	47	59	79	64	66	72	73	74	81	62	42	49			
Water/moisture resistant board.....do	591	644	51	58	57	50	52	54	53	52	58	62	51	48			

TEXTILE PRODUCTS

FABRIC																
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.....do																
Cotton.....do	504															
Manmade fiber and silk fabrics.....do	211															
Manmade fiber and silk fabrics.....do	293															
Backlog of finishing orders.....do																
Cotton.....do																
Manmade fiber and silk fabrics.....do																
COTTON AND MANUFACTURES																
Cotton (excluding linters):																
Production:																
Ginnings.....thous. running bales	9,438	14,358						1	429	3,197	7,534	11,082	13,278			
Crop estimate.....thous. net weight bales \$.	9,731							12,907	12,846	13,336	13,336	13,936	14,281			
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.....do	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	10,555	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	643	579	531	542	642	727	782	

See footnotes at end of tables.

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Units	Annual		1987												1988		
	1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
TEXTILE PRODUCTS—Continued																	
COTTON AND MANUFACTURES—Cont.																	
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 (1½"), 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	62.3	59.7	57.8	59.6	
Spindle activity (cotton system spindles):																	
Active spindles, last working day, total.....mil.	11.8	11.6	11.9	11.9	11.8	11.9	11.7	11.7	11.8	11.8	11.8	11.6	11.6	11.6	11.6	11.6	
Consuming 100 percent cotton.....do.	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	4.6	
Spindle hours operated, all fibers, total.....bil.	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.....do.	.309	.319	.342	.343	.331	.323	.310	.292	.322	.318	.335	.328	.272	*.308	*.318		
Consuming 100 percent cotton.....do.	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	2.3	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.....thous. net-weight bales \$.	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	
MANMADE FIBERS AND MANUFACTURES																	
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			100.5			103.6			103.4				
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.....do.																	
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.....do.																	
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	
Manmade fiber textile trade:																	
Exports, manmade fiber equivalent.....mil. lbs.	519.31		45.03	51.46	54.20	52.70	52.23	42.61	48.25	52.37	51.24	52.66					
Yarn, tops, thread, cloth.....do.	228.77		19.61	22.00	24.22	24.09	23.45	17.22	21.01	23.60	22.60	22.62					
Cloth, woven.....do.	134.58		12.17	13.58	15.24	12.76	14.73	9.31	13.52	13.79	12.30	13.36					
Manufactured prods., apparel, furnishings.....do.	290.53		25.42	29.46	29.98	28.61	28.78	25.46	27.24	28.77	28.64	30.04					
Imports, manmade fiber equivalent.....do.	1,702.95		149.87	137.73	148.14	161.99	178.33	190.72	174.07	145.57	147.60	114.00					
Yarn, tops, thread, cloth.....do.	306.15		21.86	21.88	24.43	26.92	27.10	26.95	25.24	20.32	23.08	20.16					
Cloth, woven.....do.	207.18		14.08	14.53	15.75	17.68	16.81	17.54	17.48	12.26	14.48	13.31					
Manufactured products, apparel, furnishings.....do.	1,396.81		128.01	115.84	123.71	135.07	151.23	163.77	148.84	125.25	124.53	93.84					
Apparel, total.....do.	929.36		86.55	75.47	80.85	91.75	104.53	116.64	108.88	85.41	82.65	59.53					
Knit apparel.....do.	431.18		34.18	31.18	37.82	47.37	53.96	62.10	54.51	45.89	40.60	24.70					
WOOL AND MANUFACTURES																	
Wool consumption, mill (clean basis):																	
Apparel class.....mil. lb.	126.8	137.2	11.7	*14.1	11.3	11.3	*13.6	9.7	10.0	*12.4	10.7	10.3	*11.8	11.0	10.7		
Carpet class.....do.	10.0	13.1	.8	*1.3	1.2	1.2	*.9	1.2	1.4	*1.2	1.4	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	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 2¾" 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				
FLOOR COVERINGS																	
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly.....mil. sq. yds.	1,254.2	1,303.4		*310.8			*341.9			*385.6			*315.1				
APPAREL																	
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		52,337			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.

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				2,374				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			27,702	25,297	24,363	27,509	24,060		25,018	28,333	26,545	22,875	24,013 25,729
TRANSPORTATION EQUIPMENT																
AEROSPACE VEHICLES																
Orders, new (net), qtrly, total.....mil. \$.	110,836															
U.S. Government.....do.	68,001															
Prime contract.....do.	106,686															
Sales (net), receipts, or billings, quarterly, total.....do.	105,577															
U.S. Government.....do.	65,326															
Backlog of orders, end of period #.....do.	148,212															
U.S. Government.....do.	95,009															
Aircraft (complete) and parts.....do.	62,032															
Engines (aircraft) and parts.....do.	14,359															
Missiles, space vehicle systems, engines, propulsion units, and parts.....mil. \$.	24,320															
Other related operations (conversions, modifications), products, services.....mil. \$.	17,422															
Aircraft (complete):																
Shipments.....do.	12,518.0	12,372.6	890.7	1,415.0	1,133.3	895.2	1,042.4	1,131.2	683.4	1,088.0	861.9	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.	7,516	7,085	691	741	660	626	665	373	377	582	670	583	500	473	563	(?)
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	936	938	887	943	913	968	905	802	737	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	238	*274
Total, seas. adj. at annual rate.....mil.			10.2	10.3	10.5	9.6	10.0	10.5	12.4	11.7	9.3	9.9	10.9	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	7.9	7.7
Imports \$.....do.			3.0	2.9	3.0	3.0	3.1	3.3	3.7	3.8	3.3	3.3	3.4	2.1	3.1	*3.0
Retail inventories, domestics, end of period: \$																
Not seasonally adjusted.....thous.	1,499	1,680	1,861	1,936	1,904	1,903	1,900	1,657	1,438	1,396	1,559	1,692	1,680	1,677	1,608	1,572
Seasonally adjusted.....do.	1,457	1,499	1,737	1,798	1,778	1,812	1,796	1,634	1,459	1,364	1,495	1,554	1,499	1,424	*1,312	1,242
Inventory-retail sales ratio, domestics \$.....do.	2.1	2.5	2.9	2.9	2.9	3.3	3.1	2.7	2.0	2.1	3.0	2.8	2.4	2.3	2.0	1.9
Exports (BuCensus), total.....do.	669.46	627.65	60.12	57.33	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	367.7	419.8	435.2	393.1	342.7	297.8	423.6	427.8	437.5	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 \diamond , 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	282	286	273	334	340	339	363	318	286	318	285	281	
Trucks and buses:																
Factory sales (from U.S. plants):																
Total.....do.	3,393	3,321	314	351	335	335	334	261	305	325	364	303	294	317	344	(?)
Domestic.....do.	3,130	3,509	290	323	305	304	304	243	287	299	333	276	268	295	318	
Retail sales, domestics:																
Total, not seasonally adjusted.....do.	3,947.2	4,088.4	305.0	369.9	366.3	353.4	402.3	367.8	349.8	328.7	331.4	323.9	350.4	306.6	374.8	439.7
0-10,000 lbs. GVW.....do.	3,671.3	3,786.1	284.3	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.	275.8	302.3	20.7	26.1	28.2	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.			332.3	329.4	333.3	329.1	337.1	352.2	406.9	338.7	344.7	346.3	342.6	*362.6	334.6	374.5
0-10,000 lbs. GVW.....do.			307.3	304.5	313.4	303.9	332.7	327.7	380.5	313.5	319.9	317.6	316.8	*336.3	353.8	344.6
10,001 lbs. GVW and over.....do.			25.0	24.9	24.9	25.2	24.4	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	*883.7	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	*963.6	926.1	945.1	987.4	991.8	1,015.4	1,007.0	*986.3	972.1
Exports (BuCensus).....do.	209.06	229.27	16.08	16.91	18.62	22.43	23.96	14.63	12.95	21.20	19.19	24.14	21.16	18.65	22.57	
Imports (BuCensus), including separate chassis and bodies.....thous.	1,572.35	1,378.19	124.92	151.15	142.22	126.09	123.32	114.70	91.66	93.15	94.25	112.94	105.54	96.25	94.04	
Registrations \diamond , new vehicles, excluding buses not produced on truck chassis.....thous.	4,801	4,939	326	410	434	403	485	455	424	459	403	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	9,997	11,241	11,350	11,088	11,864	10,322	11,381	11,372	11,520	10,532	10,807	*8,946	9,885	
Trailer bodies (detachable), sold separately.....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	803	585	977	624	606	615	549	744	351	398	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			3,198				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			4,730				3,951			5,077		
Equipment manufacturers.....do.	12,426	*17,368		*3,860			4,730				3,951			5,077		
Unfilled orders, end of period.....do.	2,677	6,736		*3,850			5,432				5,535			6,736		
Equipment manufacturers.....do.	2,677	6,736		*3,850			5,432				5,535			6,736		
Freight cars (revenue), class I railroads(AAR): †																
Number owned, end of period.....thous.	799	749	792	781	779	774	771	764	763	759	755	748	749	744	742	
Capacity (carrying), total, end of month.....mil. tons.	67.20	68.63	66.69	65.89	65.76	65.42	65.19	64.72	64.65	64.33	64.02	63.49	63.63	63.37	63.52	
Average per car.....tons.	84.14	85.01	84.25	84.35	84.45	84.51	84.57	84.68	84.73	84.80	84.83	84.89	85.01	85.13	85.58	

See footnotes at end of tables.

FOOTNOTES FOR PAGES S-1 THROUGH S-32

General Notes for all Pages:

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

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

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.

- § 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 benefits 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. 1987 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.

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- § 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 1 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.

@ 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.
 - § Domestic 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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Cement	30	Installment credit	14
Chain-store sales, firms with 11 or more stores	9	Instruments and related products	2-4, 10-12
Cheese	21	Interest and money rates	14
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		Motor vehicles	2-4, 6, 8, 9, 15, 17, 32
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		Personal income	1
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		Pig iron	24
		Plastics and resin materials	20
		Population	9
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Gross National Product, 4th quarter 1987 (preliminary).....	Jan. 27	Gross National Product, 2d quarter 1988 (preliminary).....	July 27
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† 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.