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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

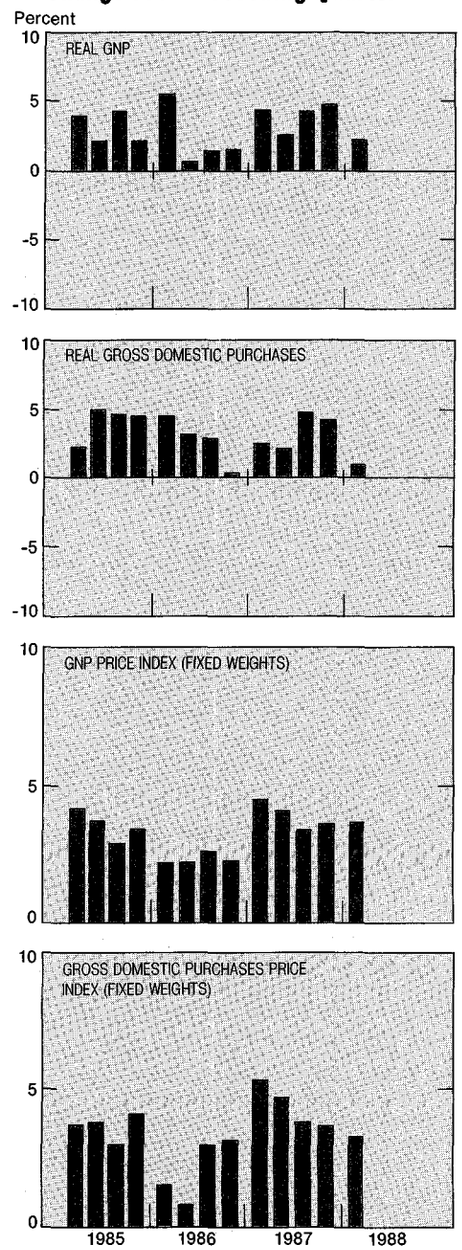
BOTH U.S. production and U.S. demand slowed in the first quarter of 1988. Inflation continued at about the same rate as in the preceding two quarters (chart 1).

- 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 88-4-1

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 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.

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	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 [1]	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.

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 [1]	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.

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.

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

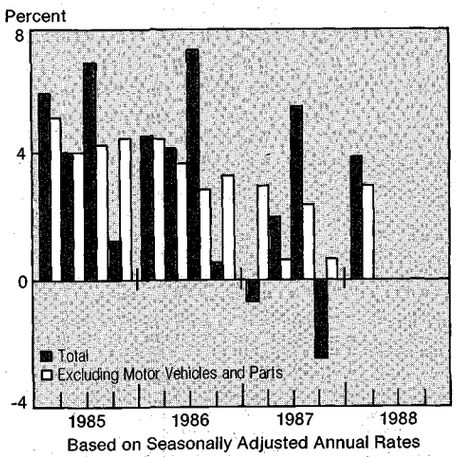
Real nonresidential fixed investment increased 22½ percent in the first quarter, following a small increase in the fourth (table 3). Purchases of producers' durable equipment (PDE) more than accounted for the first-quarter increase; purchases of structures declined after two quarters of increase.

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	1987			1988
	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	9.8	−27.8
Other	73.7	.1	−.6	−.1	−1.4	.5	−3.1	−.5	−7.3

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

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

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."

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.

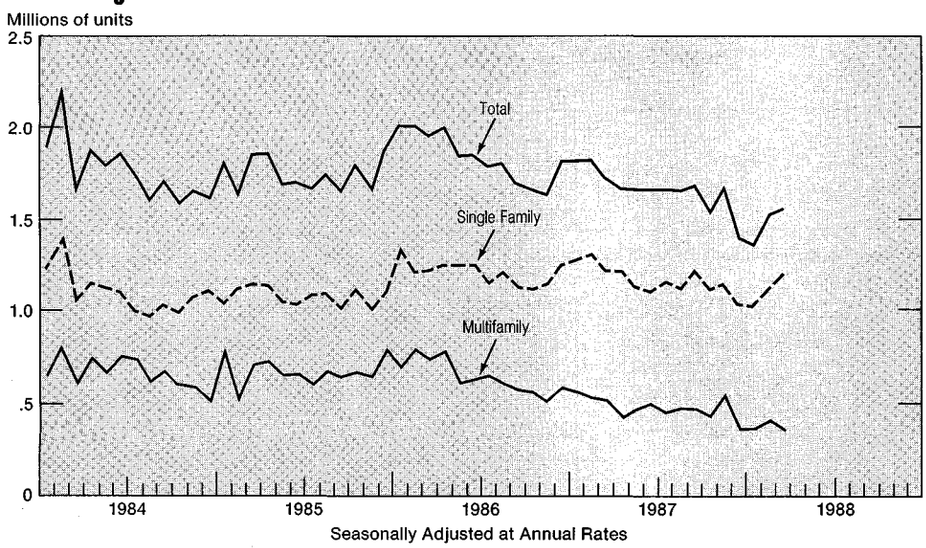
The decline in single-family construction mainly reflected a drop of 64,000 in the number of single-family units started (at seasonally adjusted annual rates) in the fourth quarter of last year (chart 3). Starts increased in the first quarter, but only by 12,000.

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).

CHART 3

Housing Starts



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

88-4-3

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 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			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	−28.4	32.7
Nonpetroleum	386.0	5.0	6.7	17.4	1.2	5.7	7.6	20.3	1.3
Services	124.5	6.6	6.2	3.4	.5	26.8	23.5	11.8	1.6

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

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

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

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

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

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

Net exports

Real net exports increased $3½ billion in the first quarter, following an increase of $2½ billion in the fourth (table 5). Exports and imports both increased, although less than in recent quarters.

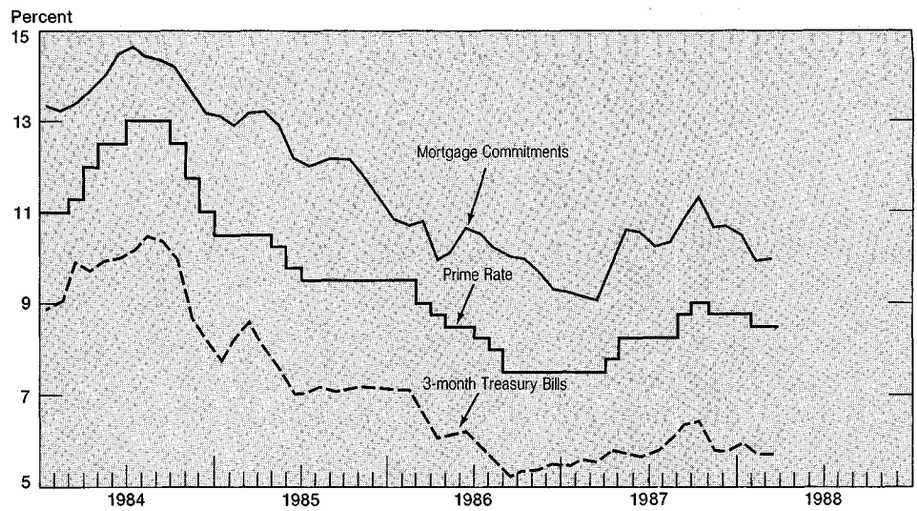
Merchandise exports increased $12 billion, or 16½ percent, in the first quarter after an increase of $12½ billion, or 18 percent. The first-quarter increase was about evenly divided between agricultural and nonagricultural exports. Agricultural exports increased $5 billion in the first quarter after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

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

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

CHART 4

Selected Interest Rates



Data: FRB, FLHLMC.

U.S. Department of Commerce, Bureau of Economic Analysis 88-4-4

Imports of services increased $½ billion after an increase of $3½ 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 $20½ billion, or 10 percent, in the first quarter, following an increase of $17 billion, or 9 percent, in the fourth (table 6). The sharp turnabout 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 $½ 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 purchases 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 $1½ 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—3½ 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 126½ 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—7½ percent—in the first quarter. The first-quarter strength was primarily in prices of nonpetroleum industrial supplies and materials, which accelerated to an 11½-percent increase, and in prices of capital goods except autos, which accelerated to an 8½-percent increase. Some deceleration was evident in prices of autos, which were up 3 percent, and in prices of consumer goods, up 4½ percent.

PCE prices increased 2½ 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	1987			1988
	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]

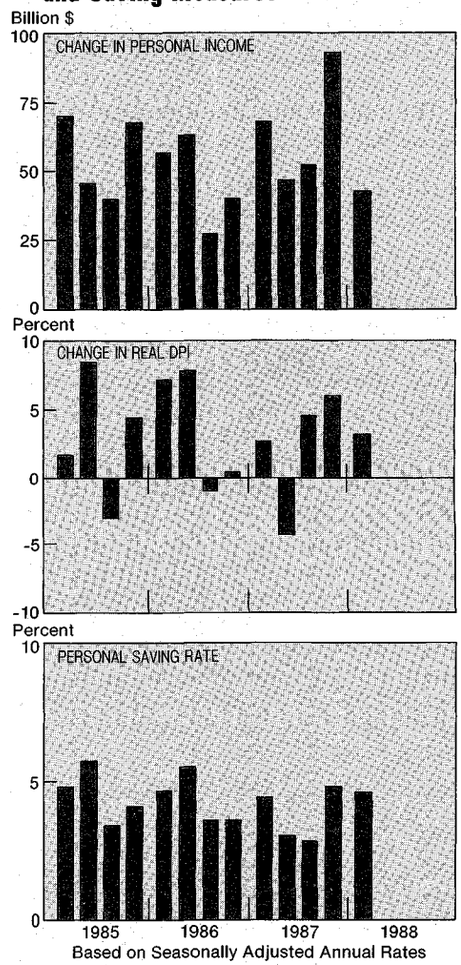
	Level	Change from preceding quarter			
	1988:I	1987			1988
		II	III	IV	I
Wage and salary disbursements	2,306.5	28.1	34.7	44.1	36.3
Manufacturing	499.8	1.8	6.1	9.6	5.1
Other commodity-producing	161.8	.3	.7	3.3	1.8
Distributive	542.9	7.4	7.4	8.7	7.9
Services	662.9	12.6	14.6	15.4	13.6
Government and government 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.

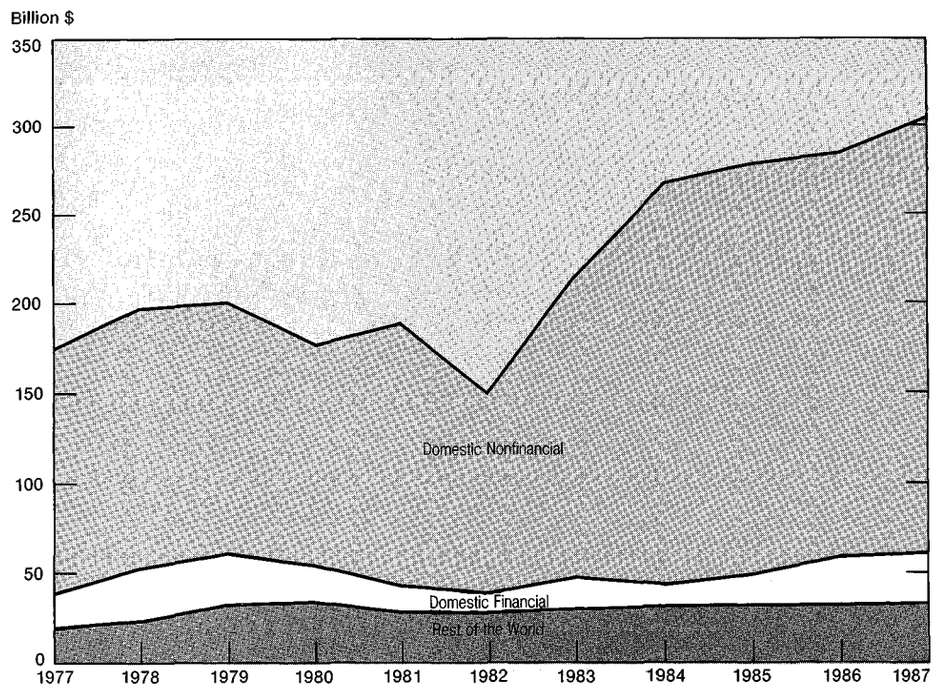
The smaller increase in profits from current production than in PBT was more than accounted for by the IVA, which declined $24 billion (to a level of negative $17½ billion). The CCAdj increased $2 billion (to $48 billion).

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



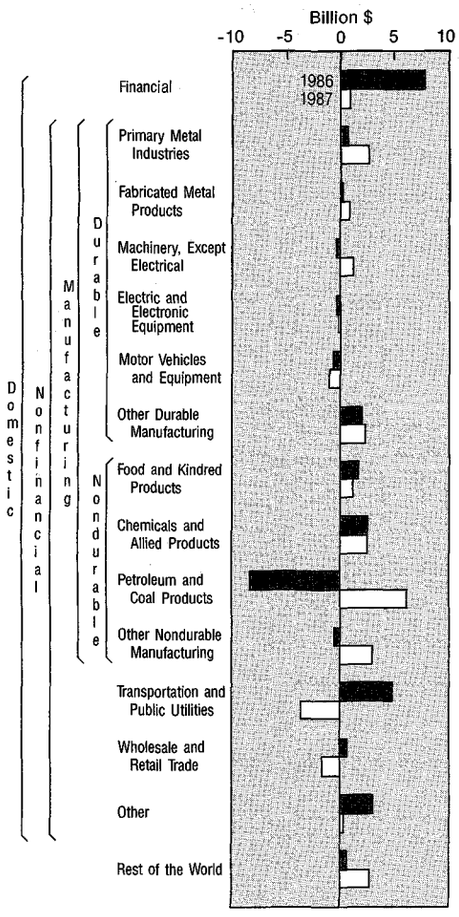
U.S. Department of Commerce, Bureau of Economic Analysis 88-4-6

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

Profits by industry.—Profits from current production is not available by industry. PBT with IVA alone, the best measure of industry profits available, increased $18 billion, to $256½ billion. By this measure, domestic profits of nonfinancial corporations increased $14½ billion, domestic profits of financial corporations increased $1 billion, and profits from the rest of the world increased $3 billion. Manufacturing profits, up $19 billion, more than accounted for the increase in profits of nonfinancial corporations.

CHART 7

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



U.S. Department of Commerce, Bureau of Economic Analysis 88-4-7

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)

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	Ip
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	379.6	382.1	388.9	376.8
National defense	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Nondefense	88.4	84.2	89.6	79.4	85.1	83.0	89.2	79.1
State and local	503.5	543.4	517.7	529.3	537.6	546.9	559.9	568.9

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

Table 1.2.—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	Ip
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	202.2	198.2	196.8	193.5	197.0	192.2
Change in business inventories	13.8	42.9	−14.4	47.6	39.0	24.6	60.5	57.9
Nonfarm	15.4	32.5	2.3	43.9	22.7	12.1	51.5	38.3
Farm	−1.6	10.4	−16.6	3.7	16.3	12.5	9.0	19.6
Net exports of goods and services	**−145.8**	**−135.5**	**−151.8**	**−135.2**	**−132.7**	**−138.4**	**−135.8**	**−132.2**
Exports	377.4	425.8	388.3	397.8	414.5	437.1	453.5	464.6
Imports	523.2	561.3	540.1	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	Ip
Gross national product	**4,235.0**	**4,488.5**	**4,288.1**	**4,377.7**	**4,445.1**	**4,524.0**	**4,607.4**	**4,660.9**
Final sales	4,219.3	4,442.5	4,294.6	4,326.0	4,404.8	4,501.1	4,537.9	4,603.9
Change in business inventories	15.7	46.1	−6.4	51.6	40.3	22.9	69.4	57.0
Goods	**1,693.8**	**1,782.2**	**1,698.9**	**1,738.7**	**1,763.5**	**1,798.3**	**1,828.4**	**1,844.7**
Final sales	1,678.0	1,736.2	1,705.3	1,687.1	1,723.2	1,775.4	1,758.9	1,787.7
Change in business inventories	15.7	46.1	−6.4	51.6	40.3	22.9	69.4	57.0
Durable goods	726.8	773.3	737.3	747.0	756.7	785.7	803.8	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	Ip
Gross national product	**3,713.3**	**3,821.0**	**3,731.5**	**3,772.2**	**3,795.3**	**3,835.9**	**3,880.8**	**3,902.6**
Final sales	3,699.5	3,778.1	3,745.8	3,724.5	3,756.3	3,811.4	3,820.3	3,844.7
Change in business inventories	13.8	42.9	−14.4	47.6	39.0	24.6	60.5	57.9
Goods	**1,595.0**	**1,655.2**	**1,602.6**	**1,626.0**	**1,638.2**	**1,666.8**	**1,689.7**	**1,708.9**
Final sales	1,581.3	1,612.3	1,616.9	1,578.4	1,599.2	1,642.2	1,629.2	1,651.0
Change in business inventories	13.8	42.9	−14.4	47.6	39.0	24.6	60.5	57.9
Durable goods	716.9	770.5	731.2	739.2	753.2	786.4	803.3	826.8
Final sales	712.6	747.5	735.5	707.8	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	881.4	870.6	865.9	854.9	867.8	846.3
Change in business inventories	9.5	19.9	−10.0	16.2	19.1	25.5	18.6	35.8
Services	**1,730.8**	**1,782.1**	**1,741.3**	**1,764.0**	**1,777.4**	**1,787.1**	**1,800.0**	**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 1.6.—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	533.0	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 1.7.—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	2,863.7	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 1.9.—Relation of Gross National Product, Net National Product, National Income, and Personal Income

[Billions of dollars]

Gross national product	4,235.0	4,488.5	4,288.1	4,377.7	4,445.1	4,524.0	4,607.4	4,660.9
Less: Capital consumption allowances with capital consumption adjustment	456.7	479.1	465.9	469.7	476.6	483.0	486.9	492.9
Capital consumption allowances without capital consumption adjustment	477.7	506.1	484.3	496.6	502.8	509.1	516.1	519.1
Less: Capital consumption adjustment	21.0	27.1	18.4	26.8	26.2	26.1	29.2	26.2
Equals: Net national product	3,778.4	4,009.4	3,822.3	3,907.9	3,968.5	4,040.9	4,120.5	4,168.0
Less: Indirect business tax and nontax liability	347.7	367.8	351.9	358.3	365.2	371.8	375.9	381.3
Business transfer payments	22.3	23.2	22.6	22.8	23.1	23.3	23.6	23.8
Statistical discrepancy	−4.9	−4.6	−11.6	−2.2	−3.1	−10.9	−2.1	
Plus: Subsidies less current surplus of government enterprises	8.7	13.0	11.6	19.3	9.9	2.3	20.4	9.5
Equals: National income	3,422.0	3,636.0	3,471.0	3,548.3	3,593.3	3,659.0	3,743.5	
Less: Corporate profits with inventory valuation and capital consumption adjustments	284.4	304.7	281.1	294.0	296.8	314.9	313.0	
Net interest	326.1	337.1	321.7	323.6	331.1	340.6	353.3	356.2
Contributions for social insurance	374.3	394.5	381.0	386.7	390.9	396.6	403.7	430.0
Wage accruals less disbursements	0	0	0	0	0	.3	−.3	0
Plus: Government transfer payments to persons	496.0	519.9	504.1	510.9	518.4	522.5	527.8	545.2
Personal interest income	497.6	516.2	496.8	499.8	506.3	520.0	538.8	545.8
Personal dividend income	81.2	87.5	82.9	84.5	86.3	88.7	90.5	92.1
Business transfer payments	22.3	23.2	22.6	22.8	23.1	23.3	23.6	23.8
Equals: Personal income	3,534.3	3,746.5	3,593.6	3,662.0	3,708.6	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]

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	
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					
			1986	1987				1988
			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	217.7	238.9	223.9	232.4	236.5	240.6	246.2	249.3
Inventory valuation adjustment	−.2	−1.5	.4	−1.8	−1.5	−.9	−1.6	−1.0
Capital consumption adjustment	35.1	41.6	36.9	39.1	40.9	42.4	43.8	44.2
Rental income of persons with capital consumption adjustment	**16.7**	**19.3**	**18.4**	**20.0**	**18.9**	**17.3**	**20.9**	**21.1**
Rental income of persons	62.2	67.6	64.6	66.2	67.2	66.9	70.0	70.9
Capital consumption adjustment	−45.5	−48.3	−46.2	−46.3	−48.3	−49.6	−49.1	−49.8
Corporate profits with inventory valuation and capital consumption adjustments	**284.4**	**304.7**	**281.1**	**294.0**	**296.8**	**314.9**	**313.0**	.....
Corporate profits with inventory valuation adjustment	238.4	256.5	239.0	245.7	248.8	267.3	264.3	.....
Profits before tax	231.9	274.1	247.9	257.0	268.7	284.9	285.6	.....
Profits tax liability	105.0	136.3	113.9	128.0	134.2	143.0	140.0	.....
Profits after tax	126.8	137.8	134.0	129.0	134.5	141.9	145.6	.....
Dividends	86.8	93.8	88.6	90.3	92.4	95.2	97.3	99.3
Undistributed profits	40.0	43.9	45.4	38.7	42.1	46.7	48.3	.....
Inventory valuation adjustment	6.5	−17.5	−8.9	−11.3	−20.0	−17.6	−21.3	−15.9
Capital consumption adjustment	46.0	48.2	42.1	48.2	48.0	47.7	48.7	45.9
Net interest	**326.1**	**337.1**	**321.7**	**323.6**	**331.1**	**340.6**	**353.3**	**356.2**
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments	179.4	168.4	167.1	165.9	162.6	172.0	173.0	.....
Net cash flow with inventory valuation and capital consumption adjustments	375.4	370.8	367.9	367.3	364.6	374.6	376.6	.....
Undistributed profits with inventory valuation and capital consumption adjustments	92.6	74.6	78.5	75.6	70.1	76.8	75.7	.....
Capital consumption allowances with capital consumption adjustment	282.8	296.2	289.3	291.8	294.5	297.8	300.9	304.4
Less: Inventory valuation adjustment	6.5	−17.5	−8.9	−11.3	−20.0	−17.6	−21.3	−15.9
Equals: Net cash flow	368.9	388.3	376.7	378.7	384.6	392.2	397.9	.....

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

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[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	103.1	106.6	104.5	102.9	102.8	102.2	103.2

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

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

Table 1.19.—Truck Output

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[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	83.8	89.3	109.3	92.5	99.5
Net purchases of used autos	33.8	36.5	36.0	33.7	35.8	39.0	37.3	36.4
Producers' durable equipment	20.7	17.5	21.0	15.8	17.6	18.5	17.9	20.5
New autos	45.8	44.6	45.5	40.6	44.5	47.7	45.8	47.0
Net purchases of used autos	−25.1	−27.2	−24.5	−24.7	−26.8	−29.2	−27.8	−26.5
Net exports of goods and services	−38.9	−41.1	−42.6	−39.2	−39.5	−43.1	−42.7	−37.9
Exports	6.3	6.9	6.1	5.8	7.2	6.3	8.2	7.7
Imports	45.2	48.0	48.7	45.0	46.6	49.4	50.9	45.6
Government purchases of goods and services	1.4	1.4	1.4	1.4	1.6	1.3	1.5	1.5
Change in business inventories of new and used autos	**.9**	**4.0**	**3.6**	**19.3**	**4.9**	**−17.9**	**9.7**	**−11.2**
New	.7	3.8	6.0	20.0	4.4	−18.2	8.8	−10.2
Used	.2	.2	−2.4	−.7	.5	.3	.8	−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**	**538.8**	**545.8**
Transfer payments	**518.3**	**543.1**	**526.6**	**533.7**	**541.5**	**545.8**	**551.4**	**569.0**
Old-age, survivors, disability, and health insurance benefits	269.2	282.8	273.5	278.0	282.3	284.4	286.5	297.8
Government unemployment insurance benefits	16.4	14.6	16.6	15.6	14.9	14.5	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	140.8	144.1
Less: Personal contributions for social insurance	**159.6**	**169.9**	**161.8**	**166.7**	**168.4**	**170.7**	**173.6**	**189.4**
Less: Personal tax and nontax payments	**512.2**	**564.8**	**532.0**	**536.1**	**578.0**	**565.7**	**579.4**	**577.0**
Equals: Disposable personal income	**3,022.1**	**3,181.7**	**3,061.6**	**3,125.9**	**3,130.6**	**3,195.3**	**3,275.0**	**3,320.2**
Less: Personal outlays	**2,891.5**	**3,062.7**	**2,952.6**	**2,987.5**	**3,037.4**	**3,106.5**	**3,119.3**	**3,167.1**
Personal consumption expenditures	2,799.8	2,967.8	2,858.6	2,893.8	2,943.7	3,011.3	3,022.6	3,068.7
Interest paid by consumers to business	89.9	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	157.3	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					
			1986	1987				1988
			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	378.6	406.8	395.4	405.6	398.0
Estate and gift taxes	7.1	7.4	7.0	7.2	8.0	7.7	6.7	7.1
Nontaxes	.7	1.0	.9	.7	.9	1.2	1.3	1.4
Corporate profits tax accruals	83.7	109.4	90.5	103.0	107.9	114.5	112.3	.....
Federal Reserve banks	17.8	17.0	17.2	16.6	17.1	17.1	17.3	.....
Other	65.9	92.4	73.3	86.3	90.8	97.5	95.1	.....
Indirect business tax and nontax accruals	50.9	54.1	51.1	53.3	54.2	53.9	54.9	56.3
Excise taxes	31.2	32.5	31.3	32.1	32.4	32.5	32.9	33.5
Customs duties	13.7	15.4	14.0	15.2	15.7	15.1	15.8	16.5
Nontaxes	6.0	6.1	5.8	6.0	6.1	6.2	6.2	6.3
Contributions for social insurance	329.8	348.4	334.5	341.5	345.2	350.3	356.8	382.4
Expenditures	**1,032.0**	**1,067.1**	**1,041.2**	**1,049.8**	**1,062.1**	**1,058.8**	**1,097.8**	**1,091.9**
Purchases of goods and services	366.2	379.4	368.6	366.9	379.6	382.1	388.9	376.8
National defense	277.8	295.2	279.0	287.5	294.5	299.0	299.8	297.7
Nondefense	88.4	84.2	89.6	79.4	85.1	83.0	89.2	79.1
Transfer payments	399.9	413.5	405.7	406.7	412.0	413.4	421.8	431.7
To persons	385.9	401.9	391.0	396.0	401.5	403.7	406.2	421.5
To foreigners	14.0	11.6	14.7	10.7	10.5	9.8	15.6	10.2
Grants-in-aid to State and local governments	106.9	103.4	102.8	102.2	106.0	103.5	102.0	105.7
Net interest paid	135.7	142.8	137.8	139.5	139.8	142.9	148.9	152.6
Interest paid	157.8	160.8	157.4	158.2	158.1	161.0	166.0	170.2
To persons and business	135.2	136.6	134.4	135.1	133.6	136.7	140.8	144.6
To foreigners	22.6	24.3	22.9	23.1	24.5	24.3	25.2	25.6
Less: Interest received by government	22.1	18.0	19.6	18.7	18.3	18.1	17.1	17.6
Subsidies less current surplus of government enterprises	23.3	28.0	26.3	34.3	24.8	17.2	35.8	25.1
Subsidies	25.5	31.3	24.5	38.7	27.5	20.7	38.4	27.0
Less: Current surplus of government enterprises	2.2	3.3	−1.8	4.3	2.6	3.5	2.7	1.9
Less: Wage accruals less disbursements	0	0	0	0	0	.3	−.3	0
Surplus or deficit (−), national income and product accounts	**−204.7**	**−151.4**	**−188.7**	**−170.5**	**−139.2**	**−135.8**	**−160.2**	.....
Social insurance funds	15.4	22.7	16.7	20.1	19.3	22.9	28.5	41.2
Other	−220.0	−174.1	−205.4	−190.6	−158.6	−158.7	−188.8	.....

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[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 3.7B.—Government Purchases of Goods and Services by Type

[Billions of dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[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	26.3	27.0	27.8	28.5	29.3
Nondurable goods	39.1	43.7	39.5	41.6	43.1	44.6	45.5	45.9
Services	378.5	409.0	391.0	397.2	404.8	413.1	421.0	430.4
Compensation of employees	299.9	322.8	309.8	314.1	319.8	325.6	331.6	338.3
Other services	78.5	86.3	81.2	83.1	85.0	87.5	89.4	92.1
Structures	61.4	63.3	61.5	64.1	62.7	61.4	64.9	63.2

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

[Billions of 1982 dollars]

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			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	1.3	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	304.8	306.5	308.4	310.0	311.8	313.8
Compensation of employees	237.1	240.4	238.6	239.3	240.2	240.8	241.5	242.1
Other services	64.6	68.8	66.2	67.2	68.2	69.3	70.4	71.7
Structures	54.4	55.5	54.5	56.7	55.3	53.7	56.4	54.6

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	8.5	8.4	8.9	8.0	8.1	8.2	9.6	8.1
Ammunition	4.3	3.8	4.0	3.8	4.0	4.1	3.5	3.5
Other nondurable goods	2.3	2.3	2.3	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	16.6	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	67.6	67.7	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	88.8	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	43.9	45.4	38.7	42.1	46.7	48.3	.....
Inventory valuation adjustment	6.5	−17.5	−8.9	−11.3	−20.0	−17.6	−21.3	−15.9
Capital consumption adjustment	46.0	48.2	42.1	48.2	48.0	47.7	48.7	45.9
Corporate capital consumption allowances with capital consumption adjustment	282.8	296.2	289.3	291.8	294.5	297.8	300.9	304.4
Noncorporate capital consumption allowances with capital consumption adjustment	173.8	182.8	176.6	178.0	182.1	185.3	186.0	188.5
Wage 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**	**3,602.8**	**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 5.9.—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	0	−1.3	3.0	−4.0	.3	.9	3.8
Durable goods	−.3	.5	.2	1.1	−.8	.3	1.6	1.3
Nondurable goods	.3	−.5	−1.5	1.9	−3.2	0	−.8	2.5
Retail trade	6.6	13.2	6.7	25.2	15.5	−8.0	20.2	−6.8
Durable goods	3.6	8.7	2.2	18.8	9.8	−12.2	18.3	−11.0
Nondurable goods	3.0	4.5	4.5	6.4	5.7	4.2	1.9	4.2
Other	10.2	6.7	6.4	6.8	6.0	6.4	7.7	5.5
Durable goods	4.2	5.3	5.8	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 5.10.—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]
Inventories [1]	**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 sales [2]	**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 5.11.—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]
Inventories [1]	**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 sales [2]	**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	103.5	104.5	105.6	106.4	107.3	108.5
Imports	92.6	99.5	93.5	96.3	98.9	100.7	101.8	102.0
Government purchases of goods and services	**116.5**	**121.2**	**117.6**	**119.3**	**120.6**	**121.7**	**123.1**	**124.8**
Federal	111.3	114.4	111.1	113.2	114.3	114.4	115.7	117.4
National defense	112.1	115.3	112.1	114.2	115.3	115.3	116.5	118.1
Nondefense	109.3	112.1	108.7	110.5	111.7	112.4	113.6	115.6
State and local	120.3	126.2	122.4	123.8	125.2	127.1	128.6	130.3
Addenda:								
Final sales	115.0	118.9	116.0	117.3	118.5	119.5	120.5	121.6
Personal consumption expenditures, food	112.2	117.2	114.5	115.3	116.9	117.8	118.8	119.1
Personal consumption expenditures, energy	90.8	92.1	85.0	90.3	91.9	93.6	92.8	92.0
Other personal consumption expenditures	119.1	124.2	120.8	122.2	123.6	124.8	126.3	127.5

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

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

[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	93.5	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					
			1986	1987				1988
			IV	I	II	III	IV	I[p]
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	111.8	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	99.1	97.6	96.5	97.6
Statistical discrepancy	112.7	115.8	113.4	114.5	115.5	116.2	116.9	117.3
Households and institutions	120.8	125.4	122.1	123.3	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					
			1986	1987				1988
			IV	I	II	III	IV	I[p]
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	75.0	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	115.1	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 7.16.—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	122.3	123.3	126.4
Military	117.6	121.8	117.8	120.7	121.5	121.8	123.0	126.0
Civilian	117.1	123.0	117.6	121.7	123.0	123.1	124.0	127.4
Other services	114.0	118.5	115.3	116.4	117.8	118.8	120.8	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 7.17.—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	122.3	123.3	126.4
Military	117.6	121.8	117.8	120.7	121.5	121.8	123.0	126.0
Civilian	117.1	123.0	117.6	121.7	123.0	123.1	124.0	127.4
Other services	114.0	118.5	115.3	116.4	117.8	118.8	120.8	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 7.18.—Current-Dollar Cost and Profit per Unit of Constant-Dollar Gross Domestic Product of Nonfinancial Corporate Business

[Dollars]

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

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

[Percent]

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[p]
Gross national product:								
Current dollars	5.6	6.0	2.1	8.6	6.3	7.3	7.6	4.7
1982 dollars	2.9	2.9	1.5	4.4	2.5	4.3	4.8	2.3
Implicit price deflator	2.6	3.0	.7	4.2	3.5	2.8	2.7	2.4
Chain price index	2.4	3.2	2.0	4.2	3.7	3.3	3.1	3.5
Fixed-weighted price index	2.7	3.4	2.3	4.5	4.1	3.4	3.6	3.7
Personal consumption expenditures:								
Current dollars	6.5	6.0	3.1	5.0	7.1	9.5	1.5	6.2
1982 dollars	4.2	1.9	.5	−.7	1.9	5.4	−2.5	3.8
Implicit price deflator	2.2	3.9	2.5	6.0	4.9	4.1	4.1	2.3
Chain price index	2.5	4.1	3.0	5.5	5.2	4.0	4.0	2.6
Fixed-weighted price index	2.6	4.2	3.0	5.7	5.2	4.0	4.2	2.7
Durable goods:								
Current dollars	9.1	2.8	−7.1	−20.7	13.7	30.1	−20.1	12.9
1982 dollars	8.7	1.2	−6.3	−21.2	10.5	24.3	−20.3	12.7
Implicit price deflator	.4	1.6	−.8	.8	2.7	5.0	0	.4
Chain price index	1.0	2.4	1.6	2.9	2.2	3.6	2.2	1.5
Fixed-weighted price index	1.2	2.7	1.6	3.2	2.6	4.1	2.3	1.5
Nondurable goods:								
Current dollars	2.9	4.6	2.7	10.4	5.1	1.8	2.7	.3
1982 dollars	3.3	.1	.2	1.3	−1.9	−1.5	−.5	−.2
Implicit price deflator	−.4	4.5	2.6	8.8	7.1	3.3	3.6	.4
Chain price index	−.1	4.5	2.6	8.2	7.8	3.1	3.9	.8
Fixed-weighted price index	−.1	4.5	2.6	8.3	7.6	3.2	3.9	.9
Services:								
Current dollars	8.2	7.8	6.4	9.8	6.7	9.5	7.3	8.3
1982 dollars	3.4	3.5	3.0	5.4	2.1	5.0	2.4	3.9
Implicit price deflator	4.6	4.2	3.3	3.9	4.5	4.5	4.8	4.1
Chain price index	4.7	4.3	3.6	4.6	4.4	4.6	4.7	4.1
Fixed-weighted price index	4.7	4.2	3.6	4.5	4.2	4.5	4.7	4.0
Gross private domestic investment:								
Current dollars	4.6	6.9	−.4	26.3	1.6	2.8	33.4	.9
1982 dollars	2.8	5.1	−8.4	28.5	1.1	5.0	26.4	8.7
Implicit price deflator								
Chain price index								
Fixed-weighted price index								
Fixed investment:								
Current dollars	3.7	2.5	5.8	−10.6	9.0	14.1	3.7	8.4
1982 dollars	1.8	.7	4.2	−12.5	6.9	15.0	3.3	11.3
Implicit price deflator	1.8	1.9	1.6	2.3	1.9	−1.1	.8	−2.7
Chain price index	1.5	2.5	2.9	2.7	2.7	3.3	−.7	3.0
Fixed-weighted price index	1.6	2.3	2.4	2.6	2.6	3.1	.2	3.2
Nonresidential:								
Current dollars	−1.3	1.5	5.8	−14.5	11.6	21.8	2.7	16.2
1982 dollars	−2.3	1.0	5.1	−14.6	11.7	25.8	1.6	21.0
Implicit price deflator	1.0	.4	.8	.4	−.4	−3.2	1.2	−4.0
Chain price index	1.1	1.5	2.6	1.4	.4	1.1	−.3	2.5
Fixed-weighted price index	1.4	1.6	2.1	1.8	1.4	1.8	.7	3.0
Structures:								
Current dollars	−9.9	−2.3	5.6	−12.1	3.1	24.9	12.2	−2.0
1982 dollars	−12.8	−4.5	6.3	−12.8	0	24.6	8.4	−5.1
Implicit price deflator	3.3	2.2	−.4	.8	3.4	0	3.4	3.4
Chain price index	.8	2.8	2.1	3.7	4.2	4.0	1.7	3.9
Fixed-weighted price index	.4	2.2	1.3	3.3	3.8	3.7	1.9	3.9
Producers' durable equipment:								
Current dollars	3.2	3.2	5.8	−15.4	15.5	20.6	−1.2	25.0
1982 dollars	2.9	3.3	4.7	−15.3	16.5	26.3	−.9	32.5
Implicit price deflator	.3	0	1.3	0	−1.2	−4.5	0	−5.8
Chain price index	1.2	.9	2.8	.4	−1.2	0	−1.1	1.9
Fixed-weighted price index	2.0	1.3	2.6	.9	0	.7	0	2.4
Residential:								
Current dollars	15.5	4.5	5.7	−2.6	4.1	.4	5.9	−5.8
1982 dollars	12.5	0	2.2	−7.7	−2.8	−6.5	7.4	−9.4
Implicit price deflator	2.7	4.5	3.3	5.5	7.2	7.5	−1.4	3.8
Chain price index	2.6	4.5	3.5	5.4	7.2	7.5	−1.4	3.9
Fixed-weighted price index	2.5	4.4	3.5	5.3	6.7	7.3	−1.4	4.0
Exports of goods and services:								
Current dollars	1.7	13.7	7.3	15.4	20.8	23.6	18.4	11.4
1982 dollars	3.3	12.8	9.5	10.2	17.9	23.7	15.9	10.2
Implicit price deflator	−1.6	.8	−2.0	5.0	2.4	0	2.0	1.2
Chain price index	−.5	2.1	−.2	3.8	4.0	2.7	3.1	4.0
Fixed-weighted price index	−.1	2.3	0	4.0	4.4	3.1	3.4	4.3
Imports of goods and services:								
Current dollars	7.2	13.6	11.2	7.6	21.4	22.7	14.6	2.5
1982 dollars	10.5	7.3	−.8	−5.2	11.1	22.4	9.9	5.2
Implicit price deflator	−2.8	5.9	12.1	13.6	9.1	.4	4.2	−2.4
Chain price index	−.9	7.0	8.5	10.8	10.0	6.6	3.8	1.6
Fixed-weighted price index	−3.1	7.4	8.7	12.5	11.3	7.5	4.3	.7

	1986	1987	Seasonally adjusted at annual rates					
			1986	1987				1988
			IV	I	II	III	IV	I[p]
Government purchases of goods and services:								
Current dollars	6.2	6.1	3.6	4.5	9.7	5.3	8.8	−1.3
1982 dollars	3.8	2.3	7.9	−6.2	3.8	2.6	9.2	−10.0
Implicit price deflator	2.4	3.7	−4.1	11.6	5.5	2.7	−.3	9.6
Chain price index	2.3	3.3	3.0	5.0	3.0	3.6	3.5	5.2
Fixed-weighted price index	2.5	4.0	3.8	5.8	4.6	3.7	4.6	5.7
Federal:								
Current dollars	3.5	3.6	−2.8	−1.8	14.6	2.7	7.3	−11.9
1982 dollars	2.6	1.1	15.2	−18.6	6.6	4.5	14.1	−23.3
Implicit price deflator	.9	2.5	−15.5	20.5	7.3	−1.7	−5.9	14.7
Chain price index	.5	1.4	−1.0	5.8	.6	.4	2.0	5.4
Fixed-weighted price index	.5	2.8	.3	7.7	4.0	.5	4.4	6.0
National defense:								
Current dollars	7.1	6.3	−11.4	12.8	10.1	6.3	1.1	−2.8
1982 dollars	5.9	5.4	−10.5	7.6	9.8	7.5	−.9	−8.5
Implicit price deflator	1.2	.8	−1.1	4.8	.4	−1.4	2.2	6.2
Chain price index	1.0	1.1	−1.4	6.1	0	.2	3.0	5.0
Fixed-weighted price index	.9	2.9	.5	7.9	3.9	−.2	4.3	5.7
Nondefense:								
Current dollars	−6.6	−4.8	31.9	−38.3	32.0	−9.5	33.4	−38.2
1982 dollars	−6.5	−12.3	153.9	−66.5	−4.5	−6.8	92.7	−60.3
Implicit price deflator		8.5	−48.3	84.3	37.9	−2.9	−30.7	55.4
Chain price index	−.9	2.2	.7	5.1	2.4	1.1	−1.4	6.7
Fixed-weighted price index	−.6	2.5	−.2	7.1	4.4	2.3	4.6	7.0
State and local:								
Current dollars	8.3	7.9	8.5	9.3	6.4	7.1	9.9	6.6
1982 dollars	4.8	3.2	2.4	5.0	1.7	1.2	5.5	1.5
Implicit price deflator	3.4	4.5	5.8	4.0	4.7	5.9	4.2	4.8
Chain price index	3.6	4.7	6.0	4.5	4.7	5.9	4.5	5.0
Fixed-weighted price index	3.8	4.9	6.3	4.5	4.9	6.0	4.8	5.4
Addenda:								
Gross domestic purchases:								
1982 dollars	3.9	2.5	.4	2.5	2.1	4.8	4.3	1.8
Chain price index	2.3	3.7	2.9	5.0	4.4	3.8	3.2	3.2
Fixed-weighted price index	2.5	3.9	3.1	5.3	4.7	3.8	3.7	3.3
Final sales:								
1982 dollars	2.8	2.1	3.7	−2.3	3.5	6.0	.9	2.6
Chain price index	2.4	3.2	2.1	4.2	3.7	3.3	3.1	3.5
Fixed-weighted price index	2.7	3.4	2.3	4.5	4.1	3.4	3.6	3.7
Final sales to domestic purchasers:								
1982 dollars	3.7	1.8	2.5	−3.8	3.1	6.4	.6	2.1
Chain price index	2.3	3.7	3.0	5.0	4.4	3.8	3.2	3.2
Fixed-weighted price index	2.4	3.9	3.1	5.3	4.7	3.8	3.7	3.4
Command-basis gross national product:								
1982 dollars	3.1	2.4	0	3.6	1.8	4.4	4.5	2.8
Implicit price deflator	2.4	3.5	1.8	5.0	4.6	2.8	2.7	2.0
Gross domestic product:								
1982 dollars	3.1	3.1	2.2	4.2	2.8	4.8	4.4	2.5
Implicit price deflator	2.6	3.0	.7	4.2	3.5	2.8	2.7	2.4
Business:								
1982 dollars	3.3	3.3	2.3	4.6	2.9	5.2	4.9	2.6
Implicit price deflator	2.3	2.8	−.4	3.9	3.5	2.4	2.4	1.4
Nonfarm:								
1982 dollars	3.2	3.4	2.9	3.7	3.2	6.1	4.2	2.7
Implicit price deflator	2.5	2.6	.4	3.6	2.8	2.8	2.4	1.4
Disposable personal income:								
Current dollars	6.4	5.3	3.1	8.7	.6	8.5	10.4	5.6
1982 dollars	4.0	1.2	.5	2.7	−4.3	4.5	6.0	3.2

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

Reconciliation and Other Special Tables

Table 1.—Gross Private Domestic Investment by Type

[Billions of dollars]

	1985	1986	1987	Seasonally adjusted at annual rates				
				1987				1988
				I	II	III	IV	I 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	128.7	129.7	137.1	141.1	140.4
Nonresidential buildings, excluding farm	95.2	90.8	87.3	85.7	85.0	87.4	91.3	90.0
Public utilities	25.9	26.2	27.3	24.8	26.3	29.0	29.1	29.6
Mining exploration, shafts, and wells	25.9	15.8	15.2	14.1	14.3	16.3	16.3	16.3
Other [1]	5.5	4.5	4.3	4.1	4.3	4.5	4.4	4.5
Producers' durable equipment	290.1	299.5	309.2	294.1	304.9	319.5	318.5	336.8
Information processing and related equipment	95.0	96.5	101.1	96.6	98.6	106.3	102.9	111.3
Industrial equipment	68.3	70.4	73.4	70.9	71.5	73.9	77.3	79.5
Transportation and related equipment	63.8	68.2	66.7	61.7	68.1	69.5	67.6	72.7
Other [2]	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	118.7	117.9
Multifamily structures	29.9	32.5	27.1	29.9	27.7	25.2	25.8	23.9
Other	73.1	83.8	86.4	85.3	86.4	87.1	86.8	86.0
Change in business inventories	**10.0**	**15.7**	**46.1**	**51.6**	**40.3**	**22.9**	**69.4**	**57.0**
Nonfarm	13.6	16.8	36.2	48.7	27.3	11.1	57.5	37.7
Manufacturing	−7.8	−4.6	6.2	5.9	−3.7	12.8	10.0	17.7
Durable goods	−5.4	−5.2	4.6	1.4	−1.6	9.2	9.4	13.6
Nondurable goods	−2.4	.6	1.6	4.5	−2.2	3.6	.6	4.1
Wholesale trade	2.8	4.0	8.3	7.4	8.1	1.4	16.4	21.6
Durable goods	0	1.7	5.2	6.1	6.2	−2.7	11.3	18.8
Nondurable goods	2.9	2.3	3.1	1.3	1.9	4.1	5.1	2.9
Retail trade	11.2	6.9	14.6	28.3	16.9	−9.5	22.9	−8.0
Automotive	6.3	.8	7.5	24.0	3.4	−13.7	16.2	−11.3
Other durable goods	2.6	3.0	2.2	−2.6	7.3	−.4	4.6	−1.3
Nondurable goods	2.3	3.2	4.9	6.9	6.2	4.6	2.0	4.6
Other	7.4	10.5	7.0	7.2	6.0	6.4	8.2	6.4
Farm	−3.6	−1.1	9.9	2.9	13.0	11.7	12.0	19.3

1. Consists of farm buildings; streets, dams, reservoirs, sewer and water facilities, parks, airfields, etc.; brokers' commissions on sale of structures; and net purchases of used structures (see the July 1987 SURVEY, National Income and Product Accounts Tables, table 5.4, lines 18, 22, 23, and 24).
2. Consists of furniture and fixtures; agricultural, construction, mining and oilfield, and service industry machinery; electrical equipment not elsewhere classified; and other equipment; less the sale of equipment scrap other than autos (table 5.6, lines 22 through 30).

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

[Billions of 1982 dollars]

	1985	1986	1987	Seasonally adjusted at annual rates				
				1987				1988
				I	II	III	IV	I 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	488.3
Structures	149.4	130.3	124.5	120.4	120.4	127.2	129.8	128.1
Nonresidential buildings, excluding farm	84.8	78.7	72.7	72.6	71.0	72.1	75.1	73.4
Public utilities	24.2	24.1	24.7	22.6	23.8	26.3	26.2	26.4
Mining exploration, shafts, and wells	35.3	23.5	23.3	21.7	21.8	25.0	24.8	24.5
Other [1]	5.0	4.0	3.7	3.5	3.7	3.9	3.8	3.8
Producers' durable equipment	304.8	313.5	323.9	305.6	317.5	336.6	335.8	360.3
Information processing and related equipment	120.5	128.7	137.6	128.5	132.4	146.1	143.5	160.3
Industrial equipment	64.2	64.7	66.2	64.4	64.7	66.6	69.0	70.2
Transportation and related equipment	61.5	60.9	58.1	53.5	59.8	60.4	58.6	63.1
Other [2]	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 increased 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.

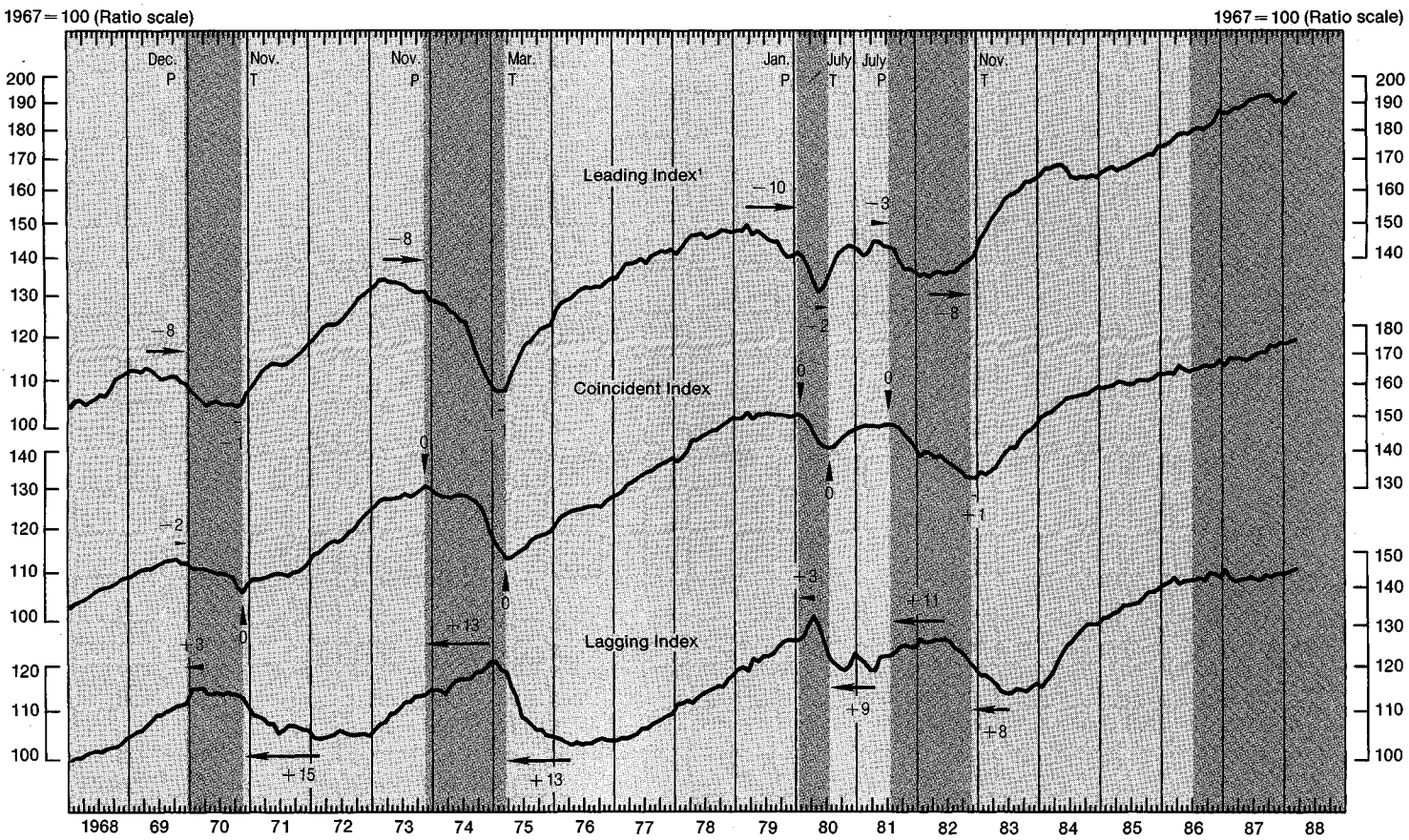
Composite Indexes of Leading, Coincident, and Lagging Indicators

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	r187.6	r188.7	190.7	r191.1	r192.0	r192.4	r192.4	r190.0	r190.6	r189.2	r191.7	193.3	r189.0	r191.8	r191.0	191.4
Coincident index	168.0	167.6	168.0	169.4	170.0	170.1	172.5	172.0	r173.4	r173.0	r174.0	174.5	167.9	169.8	172.6	173.8
Lagging index	141.8	r142.0	r142.6	r141.9	r141.6	r143.1	r142.5	r143.3	r143.5	r143.6	r144.3	144.9	r142.1	r142.2	r143.1	144.3
	Percent change from preceding month (quarter)															
Leading index	r0	r.6	r1.1	r.2	.5	.2	r0	−1.2	r.3	r−.7	r1.3	.8	r1.4	r1.5	r−.4	.2
Coincident index	0	−.2	.2	.8	.4	.1	1.4	−.3	.8	r−.2	r.6	.3	.4	1.1	1.6	.7
Lagging index	.4	r.1	r.4	r−.5	r−.2	r1.1	−.4	r.6	.1	r.1	r.5	.4	r−.4	r.1	r.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.

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

By MILO O. PETERSON

Gross Product by Industry, 1987

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

Real GNP originating in the rest of the world decreased substantially in both 1987 and 1986. This part of GNP is the production abroad attributable to factors of production supplied by U.S. residents less production in the United States attributable to factors of production supplied by foreign residents. It is measured as receipts by U.S. residents from foreigners of employee compensation, interest, and dividends and of reinvested earnings of foreign affiliates of U.S. corporations, 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			
							Current dollars		Constant dollars	
	1985	1986	1987	1985	1986	1987	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**

By EUGENE P. SESKIN and DAVID F. SULLIVAN

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.

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 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

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 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.

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

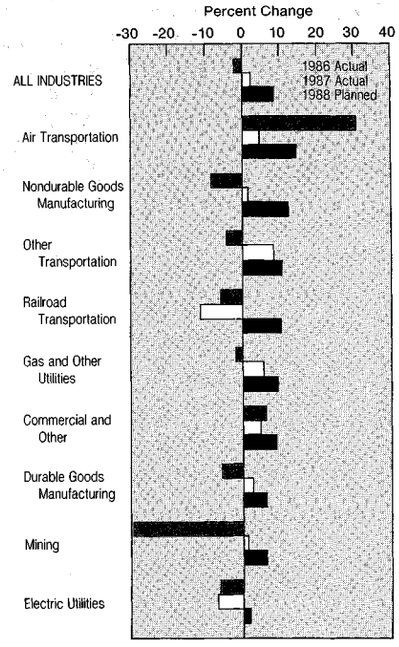
[Percent change from preceding year]

	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

	1986	1987	1988 [1]	1986 III	1986 IV	1987 I	1987 II	1987 III	1987 IV	1988 I [1]	1988 II [1]	1988 2d half [1]
	Billions of dollars; quarters seasonally adjusted at annual rates											
All industries [2]	**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	1.93	2.14	2.50	1.79	2.03	1.73	2.10	2.36	2.36	2.52	2.62	2.43
Fabricated metals	4.00	4.01	4.41	3.89	3.99	4.01	3.89	3.92	4.23	4.45	4.53	4.33
Electrical machinery	14.17	15.26	17.06	14.09	14.92	14.99	14.59	15.97	15.48	17.27	17.34	16.81
Machinery, except electrical	13.61	13.77	14.49	13.37	13.44	13.07	12.98	14.04	14.99	15.55	15.49	13.47
Transportation equipment [3]	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	72.03	75.78	80.20	81.00	84.53	85.10
Food including beverage	10.60	11.04	12.20	10.74	11.22	11.25	10.77	10.80	11.34	12.46	12.38	11.99
Textiles	1.67	1.95	2.04	1.51	1.89	1.86	2.10	1.83	2.01	2.05	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	18.81	14.57	16.76	15.08	15.14	17.39	20.14	17.49	17.61	20.07
Rubber	3.89	3.52	3.67	3.78	3.31	3.22	3.70	3.72	3.43	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
Nonmanufacturing [2]	**236.78**	**243.14**	**263.28**	**236.07**	**242.02**	**233.58**	**236.87**	**245.58**	**256.53**	**261.62**	**265.64**	**262.93**
Mining	11.22	11.34	12.07	10.14	10.31	10.31	11.02	11.64	12.39	12.26	12.41	11.81
Transportation	18.80	18.85	21.09	18.81	19.50	18.98	17.67	19.17	19.57	22.49	20.44	20.72
Railroad	6.66	5.91	6.51	7.02	6.41	5.55	5.77	6.21	6.10	7.29	6.31	6.22
Air	6.26	6.55	7.52	5.78	6.84	7.46	5.72	5.91	7.12	7.72	7.34	7.51
Other	5.89	6.39	7.06	6.01	6.25	5.97	6.19	7.05	6.35	7.48	6.80	6.99
Public utilities	46.38	44.76	46.55	45.81	46.12	43.60	43.48	44.90	47.07	46.15	46.83	46.60
Electric	33.91	31.58	32.13	33.81	33.78	30.85	31.13	31.31	33.01	31.59	33.01	31.97
Gas and other	12.47	13.18	14.41	12.00	12.34	12.75	12.35	13.58	14.06	14.56	13.82	14.63
Commercial and other	160.38	168.19	183.57	161.31	166.08	160.70	164.69	169.87	177.50	180.72	185.97	183.80
Wholesale and retail trade	55.46	58.09	.....	56.33	58.09	56.13	57.13	57.33	61.77	.....	.....	.....
Finance and insurance	43.79	47.98	.....	45.49	46.63	45.12	46.16	48.93	51.70	.....	.....	.....
Personal and business services [6]	28.20	30.02	.....	28.25	28.74	28.79	30.02	30.77	30.50	.....	.....	.....
Communication	32.93	32.10	.....	31.24	32.61	30.66	31.38	32.83	33.52	.....	.....	.....
Addenda: [7]												
Total nonfarm business [8]	427.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manufacturing	142.69	145.46	159.68	139.43	144.07	140.65	140.79	147.56	152.84	161.13	161.45	158.06
Nonmanufacturing	284.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Surveyed quarterly	236.78	243.14	263.28	236.07	242.02	233.58	236.87	245.58	256.53	261.62	265.64	262.93
Surveyed annually [9]	47.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Billions of 1982 dollars; quarters seasonally adjusted at annual rates [10]											
All industries [2]	**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	78.03	73.88
Primary metals [3]	7.02	8.37	.....	6.57	6.96	7.58	7.93	8.87	9.10	.....	.....	.....
Blast furnaces, steel works	3.21	4.40	.....	3.07	3.14	3.94	4.11	4.63	4.94	.....	.....	.....
Nonferrous metals	1.97	2.17	.....	1.83	2.06	1.76	2.13	2.40	2.39	.....	.....	.....
Fabricated metals	3.93	3.90	.....	3.81	3.89	3.91	3.78	3.81	4.09	.....	.....	.....
Electrical machinery	14.65	15.71	.....	14.53	15.33	15.42	14.98	16.53	15.92	.....	.....	.....
Machinery, except electrical	14.79	15.05	.....	14.50	14.55	14.21	14.12	15.47	16.42	.....	.....	.....
Transportation equipment [3]	18.99	16.76	.....	20.21	18.13	18.61	17.39	15.54	15.52	.....	.....	.....
Motor vehicles	13.74	11.75	.....	15.28	12.70	13.63	12.22	10.54	10.60	.....	.....	.....
Aircraft	4.08	3.82	.....	3.83	4.19	3.82	3.96	3.82	3.67	.....	.....	.....
Stone, clay, and glass	3.05	3.22	.....	2.96	3.43	3.09	3.08	3.50	3.20	.....	.....	.....
Other durables [4]	8.18	9.05	.....	8.08	8.66	8.68	8.41	9.59	9.50	.....	.....	.....
Nondurable goods	76.38	76.50	85.10	71.77	76.28	72.10	73.66	78.12	82.12	82.23	85.57	86.29
Food including beverage	10.01	10.21	.....	10.10	10.51	10.48	9.98	9.98	10.38	.....	.....	.....
Textiles	1.59	1.82	.....	1.44	1.78	1.74	1.96	1.71	1.85	.....	.....	.....
Paper	8.76	8.80	.....	8.67	8.50	7.97	8.65	8.75	9.82	.....	.....	.....
Chemicals	17.00	16.39	.....	16.77	17.94	15.31	16.00	17.34	16.90	.....	.....	.....
Petroleum	20.86	19.75	.....	16.65	19.38	17.65	17.61	20.38	23.37	.....	.....	.....
Rubber	3.73	3.32	.....	3.61	3.14	3.06	3.49	3.51	3.21	.....	.....	.....
Other nondurables [5]	14.43	16.22	.....	14.53	15.03	15.88	15.97	16.45	16.59	.....	.....	.....
Nonmanufacturing [2]	**235.41**	**240.15**	**258.07**	**233.99**	**239.52**	**230.88**	**233.58**	**243.12**	**253.01**	**257.09**	**260.86**	**257.16**
Mining	13.54	13.77	14.38	11.99	12.43	12.49	13.32	14.23	15.05	14.68	14.72	14.06
Transportation	17.14	16.84	18.45	17.08	17.62	17.12	15.86	17.05	17.33	19.81	17.92	18.03
Public utilities	43.34	41.13	41.90	42.73	42.88	40.40	40.03	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	.....	55.18	56.81	54.84	55.45	55.93	59.88	.....	.....	.....
Finance and insurance	50.60	56.00	.....	52.50	53.87	52.16	53.59	57.61	60.63	.....	.....	.....
Personal and business services [6]	27.06	28.24	.....	27.03	27.34	27.23	28.25	28.93	28.54	.....	.....	.....
Communication	29.13	27.65	.....	27.48	28.57	26.64	27.08	28.20	28.68	.....	.....	.....
Addenda: [7]												
Total nonfarm business [8]	431.95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manufacturing	146.99	148.57	161.84	142.43	147.23	143.61	143.36	151.42	155.87	163.43	163.59	160.18
Nonmanufacturing	284.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Surveyed quarterly	235.41	240.15	258.07	233.99	239.52	230.88	233.58	243.12	253.01	257.09	260.86	257.16
Surveyed annually [9]	49.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

1. Estimates are based on planned capital expenditures reported by business in January through March 1988. The planned expenditures are adjusted for systematic biases in reporting. The adjustment procedures are described in the February 1985 SURVEY OF CURRENT BUSINESS. Before bias adjustment, current-dollar plans for 1988 were $426.44 billion for "all industries," $169.26 billion for manufacturing, and $257.18 billion for nonmanufacturing industries surveyed quarterly.

2. Surveyed quarterly.

3. Includes industries not shown separately.

4. Consists of lumber, furniture, instruments, and miscellaneous.

5. Consists of tobacco, apparel, printing-publishing, and leather.

6. Includes construction.

7. The latest estimates for the industries surveyed annually were published in the June 1987 SURVEY. The current-dollar plans for 1987 were $441.61 billion for total nonfarm business, $296.74 billion for total nonmanufacturing, and $50.81 billion for nonmanufacturing industries surveyed annually. The constant-dollar plans for 1987 were $432.51 billion for total nonfarm business, $287.34 billion for total nonmanufacturing, and $51.50 billion for nonmanufacturing industries surveyed annually. New estimates for the nonmanufacturing industries surveyed only annually will be released in June.

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

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

10. Procedures for preparing constant-dollar estimates are described in the February 1985 SURVEY. To estimate real spending plans, BEA adjusts the survey results for assumed price changes. Estimates for the third quarter of 1987 have been revised.

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.

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

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 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.

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,

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.

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

Nonmanufacturing Programs

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

For the year 1988, nonmanufacturing industries plan to spend $263.3 billion, 8.3 percent more than in 1987; in the previous survey, a planned increase of 6.8 percent was reported. Nonmanufacturing industries' spending increased 2.7 percent in 1987, following a 1.3-percent increase in 1986. For 1988, increases of more than 10 percent are planned in air transportation, "other transportation," and railroads. Other large increases are planned in gas utilities and "commercial and other"; smaller increases are planned in mining and electric utilities.

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

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

	Billions of dollars		Percent change from preceding year		Billions of 1982 dollars		Percent change from preceding year	
	1986	1987	1986	1987	1986	1987	1986	1987
All industries [1]	**379.47**	**388.60**	**−2.0**	**2.4**	**382.40**	**388.72**	**−2.6**	**1.7**
Plant	119.45	118.37	−5.2	−.9	112.32	108.49	−8.9	−3.4
Equipment	260.03	270.23	−.4	3.9	270.07	280.23	.4	3.8
Manufacturing	**142.69**	**145.46**	**−7.0**	**1.9**	**146.99**	**148.57**	**−7.8**	**1.1**
Plant	34.44	34.54	−11.9	.3	34.14	33.35	−15.8	−2.3
Equipment	108.25	110.92	−5.4	2.5	112.85	115.22	−5.0	2.1
Durable goods	69.14	70.91	−5.6	2.6	70.60	72.06	−5.4	2.1
Plant	11.92	12.44	−3.1	4.4	10.31	10.35	−6.1	.4
Equipment	57.22	58.47	−6.1	2.2	60.30	61.71	−5.3	2.3
Nondurable goods	73.56	74.55	−8.3	1.3	76.38	76.50	−9.8	.2
Plant	22.53	22.09	−15.9	−1.9	23.83	23.00	−19.4	−3.5
Equipment	51.03	52.45	−4.5	2.8	52.55	53.51	−4.7	1.8
Nonmanufacturing [1]	**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	13.54	13.77	−29.8	1.7
Plant	5.24	5.39	−38.6	2.7	7.57	7.89	−35.8	4.3
Equipment	5.97	5.95	−18.6	−.3	5.97	5.88	−20.2	−1.6
Transportation	18.80	18.85	4.3	.2	17.14	16.84	2.5	−1.7
Plant	6.95	6.62	−3.3	−4.8	6.13	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.

Other Highlights

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

- Current-dollar spending for new plant declined 0.9 percent in 1987, while spending for new equipment increased 3.9 percent. Real spending for plant declined 3.4 percent, while real spending for equipment increased 3.8 percent (table 5).
- Manufacturers expect a 6.8-percent increase in sales for 1988, following a 6.0-percent increase in 1987; they had expected a 7.0-percent increase for 1987. In nonmanufacturing, trade firms expect a 6.8-percent increase for 1988, following a 6.6-percent increase; they had expected a 6.7-percent increase for 1987. Public utility firms expect a 4.2-percent increase for 1988, following a 3.8-percent decline; they had expected a 0.4-percent increase for 1987 (table 6).

Table 6.—Business Sales

[Percent change from preceding year]

	1986	1987		1988
	Actual [1]	Expected [2]	Actual [1]	Expected [3]
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		
	1986	1987	1988 [1]	1987	1988
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:

Year	*Magnetic tape*	*Diskette*	*Printout*
1977 (Revised)	BEA IED 87-001	BEA IED 87-403	BEA IED 87-206
1980 (Revised)	BEA IED 87-002	BEA IED 87-406	BEA IED 87-212
1981	BEA IED 87-003	BEA IED 87-409	BEA IED 87-218
1982	BEA IED 88-001	BEA IED 88-401	BEA IED 88-201

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.

By INTERINDUSTRY ECONOMICS DIVISION

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 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]

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	−.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.*

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 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.

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.

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.

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 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
	Industry number	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	431				
7	Coal mining	18	4			10	16	4,780		11	3
8	Crude petroleum and natural gas								6,468		
9	Stone and clay mining and quarrying	1	296		2	13	4			234	37
10	Chemical and fertilizer mineral mining		1								151
11	New construction										
12	Repair and maintenance construction	581	737	234	90	8	6	84	7,068	15	18
13	Ordnance and accessories			12							
14	Food and kindred products	12,162		102	73		1	(*)	6	1	1
15	Tobacco manufactures										
16	Broad and narrow fabrics, yarn and thread mills		21				1	39			5
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			3	27	102			2
21	Wood containers	3	181		15						
22	Household furniture										
23	Other furniture and fixtures										
24	Paper and allied products, except containers	146	59	1	7	(*)	1	9	5	33	6
25	Paperboard containers and boxes	2	106	1	91		(*)		3	2	1
26	Printing and publishing	16	24	1	7	(*)	1	8	20	6	2
27	Chemicals and selected chemical products	199	9,729	318	970	43	162	337	669	87	91
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations	175							7		1
30	Paints and allied products			3					14		
31	Petroleum refining and related industries	2,820	5,084	331	639	81	142	939	660	331	114
32	Rubber and miscellaneous plastics products	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		119		13	2	28	139	19	4	1
37	Primary iron and steel manufacturing	9	11			43	115	120	552	39	24
38	Primary nonferrous metals manufacturing					3	15	72		15	4
39	Metal containers			8							
40	Heating, plumbing, and fabricated structural metal products	10	16						64	21	9
41	Screw machine products and stampings	28				7	22	234		14	10
42	Other fabricated metal products	124	215	38	29	37	62	175	523	65	12
43	Engines and turbines			15	43	22	36	193	227	50	31
44	Farm and garden machinery	612	757	18	12						
45	Construction and mining machinery					55	106	1,027	439	172	52
46	Materials handling machinery and equipment					14	16	104		38	6
47	Metalworking machinery and equipment			(*)	2	2	4	5	33	5	1
48	Special industry machinery and equipment										
49	General industrial machinery equipment	21	28	7	2	25	30	321	309	51	14
50	Miscellaneous machinery, except electrical	56	88	1	4	4	23	116	247	33	8
51	Office, computing, and accounting machines				1						
52	Service industry machines										
53	Electric industrial equipment and apparatus	10	12			4	19	141	417	30	13
54	Household appliances								1		
55	Electric lighting and wiring equipment	5	4	1	3	(*)	2	25	26	3	1
56	Radio, TV, and communication equipment				(*)			1	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	2,818	319	842	79	135	785	619	181	61
70	Finance and insurance	1,294	819	55	131	12	62	235	569	80	131
71	Real estate and rental	2,215	6,751	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	2,853	1,741
VA	Value added	11,828	54,607	3,026	6,151	1,056	1,602	15,056	124,531	3,845	1,622
T	**Total industry output**	**78,464**	**96,394**	**6,564**	**12,109**	**2,317**	**3,964**	**28,332**	**157,755**	**6,698**	**3,363**

* Less than $500,000.

by Industries, 1982

at producers' prices]

New construction	Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Commodity number
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
			55,787		80	65											1
			22,009	3,911	907	14	11									110	2
			1,903				178		4,383				26			40	3
240	462	(*)	3		1	(*)	(*)		78	(*)	(*)		1	(*)	(*)	173	4
																129	5
													8			648	6
		7	128	10	43	4	7	2	8	1	5	1	343	5	5	357	7
																3,753	8
1,517	1,367		48										218			424	9
			22										44			1,819	10
																	11
244	87	68	1,129	21	166	38	149	27	204	5	67	57	488	118	233	570	12
18	1	1,026			(*)		(*)		(*)							(*)	13
10	3	(*)	49,392	7	2	7	10	5	3	(*)	27	3	318	3	22	448	14
				4,066													15
		1			10,205	1,755	10,880	2,936			754	4	650		35		16
1,437	357	1	19		312	638	94	877	54		198	198	346		83		17
26	8	7	13	2	4	139	9,846	133	11	(*)	47	10	10	2	6	2	18
64	53		72			17	839	364			41	1	2		1	35	19
15,234	2,117	19	29	(*)	4	1		18	12,518	188	1,376	617	3,379		2	98	20
		18	75	6					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	10,703	7,376	13,595	759	24
7	3	25	6,068	108	237	62	240	96	86	41	137	137	872	689	212	331	25
7	1	32	1,603	195	18	11	70	22	23	1	25	14	60	22	7,843	161	26
631	412	45	1,978	26	785	429	91	20	733		40	74	2,141	453	1,814	19,729	27
		21	61		5,321	2,454	1,583	101	24	4	55	5	1,306	164	13	665	28
51	25	2	1,425	16	83	23	173						115			309	29
2,318	1,844	3			3	4	(*)		209		133	96	14	32	26	126	30
7,044	3,613	99	1,803	87	388	124	382	38	897	11	117	79	2,503	323	620	2,978	31
2,590	2,077	98	3,043	367	363	375	255	290	283	(*)	684	434	1,408	39	558	601	32
							246	102			47	4			5		33
2	1	(*)	2		8		5		12				1	(*)	2	7	34
199	147	2	4,445	1	107	24			44		63	15	2	(*)	1	37	35
15,752	4,340	18	97	2	8	3	8	2	207	2	54	34	114	10	24	145	36
7,622	1,800	381	9	2	1	1	1		36	4	267	987	1	84	24	216	37
3,371	934	330							15		91	152	71	50	34	1,052	38
			8,623	1												610	39
19,883	6,699								93								40
100	43	83	605						340		71	153			1	9	41
6,513	3,237	138	828	93	6	2	34	1	974	2	774	403	425	87	144	195	42
		24															43
																	44
827	96								6								45
1,292	502		2	1	30		3		20				(*)				46
33	11	91	47	4	15	6	13	5	86	1	11	43	27	70	16	19	47
			168		205	128	97	10	42	2	10		231	82	391	742	48
1,547	250	115	71	5			3		38		2	24	40		2	268	49
182	68	96	148	4	50	20	43	9	126	3	23	40	79	34	40	58	50
															1		51
2,812	1,287		57						18							90	52
1,625	598	88							33			31				32	53
869	450		(*)		(*)		57							(*)	1	(*)	54
4,569	1,605	1	19	(*)	4	1	5	1	19	(*)	2	4	5	2	7	3	55
1,245	400	1,135	3	(*)	(*)	(*)	1	(*)	1		1	1	(*)	(*)	4	(*)	56
		278			11												57
96	30	2	3	(*)	1		3		8		(*)		3	1	7	(*)	58
59	26	29	13	1	2	(*)	4		72	(*)	2	1	7	2	15	2	59
		960		1													60
4									3								61
1,369	598	5	65	2	13	1	8	2	10	1	6	2	40	4	7	138	62
15	6	41	17	1	3	4	7	1	6	(*)	2	1	13	4	758	13	63
412	137	8	29	2	7	2	621	20	11	(*)	16	2	7	5	203	7	64
5,305	1,825	233	7,145	139	322	263	476	113	972	15	275	208	2,176	775	2,029	4,113	65
2,976	1,472	92	695	14	188	25	608	41	75	3	86	60	164	54	1,164	240	66
																	67
1,854	707	308	5,320	96	1,231	321	713	133	1,015	14	202	216	3,803	334	1,057	7,298	68
17,813	6,555	244	13,852	179	1,201	392	1,890	431	1,744	32	612	410	3,002	324	2,770	2,959	69
3,591	909	58	1,450	125	185	51	460	96	292	(*)	186	179	262	54	791	653	70
795	311	85	957	51	101	43	482	117	155	6	125	114	279	98	1,492	622	71
422	109	35	687	13	52	21	219	66	77	3	56	40	194	25	672	238	72
37,753	2,755	599	9,216	1,070	1,180	262	1,491	246	735	25	598	566	1,553	291	5,248	2,796	73
236	76	150	780	31	165	38	293	54	149	7	89	70	175	78	2,191	576	74
1,033	194	15	497	32	51	17	112	17	179	2	67	55	148	52	316	85	75
2	1		7	1	(*)		3		(*)		13	5	6	1	21	9	76
8	4	7	104	10	44	3	40	40	76	3	34	19	42	4	189	86	77
189	58	11	377	48	53	27	266	28	36	2	35	37	70	25	1,526	82	78
183	54	7	321	7	25	11	16		11	1	5	3	85	8	30	54	79
2	(*)		3,660	2	22	168	33	58	5		18	1	56	14	33	466	80
		4			31	73							741			54	81
																	82
																	83
																	84
																	85
175,325	51,228	7,149	209,868	10,988	24,290	8,138	33,284	6,553	27,284	385	7,612	5,709	38,781	11,799	46,279	58,239	I
99,956	57,867	10,642	64,226	9,224	8,735	2,368	20,021	3,491	11,982	212	5,046	5,294	20,857	6,994	39,878	20,378	VA
275,280	**109,095**	**17,791**	**274,094**	**20,211**	**33,025**	**10,506**	**53,305**	**10,043**	**39,265**	**597**	**12,658**	**11,003**	**59,638**	**18,793**	**86,157**	**78,617**	T

Table 1.—The Use of Commodities

[Millions of dollars

Commodity number	For the distribution of output of a commodity, read the row for that commodity / For the composition of inputs to an industry, read the column for that industry	Plastics and synthetic materials	Drugs, cleaning and toilet preparations	Paints and allied products	Petroleum refining and related industries	Rubber and miscellaneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
	Industry number	28	29	30	31	32	33	34	35	36
1	Livestock and livestock products		32							
2	Other agricultural products		99	2						1
3	Forestry and fishery products		16	18						
4	Agricultural, forestry, and fishery services	(*)	(*)	(*)	1	1			(*)	1
5	Iron and ferroalloy ores mining			8						6
6	Nonferrous metal ores mining	3		21						7
7	Coal mining	131	21		18	36	1	1	1	348
8	Crude petroleum and natural gas	975		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		225		127
17	Miscellaneous textile goods and floor coverings		14		20	856		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	368	378	15	194	681	(*)	51	14	407
25	Paperboard containers and boxes	236	1,001	67	401	760	11	94	523	131
26	Printing and publishing	14	170	48	18	50	2	18	28	29
27	Chemicals and selected chemical products	10,578	4,306	2,222	4,080	2,797	131	61	608	766
28	Plastics and synthetic materials	987	130	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	288	881
32	Rubber and miscellaneous plastics products	612	1,613	27	208	2,859	(*)	510	61	161
33	Leather tanning and finishing					1	87	1,326		
34	Footwear and other leather products	(*)	1	(*)	5	8		426	4	(*)
35	Glass and glass products	10	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		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									129
46	Materials handling machinery and equipment					4		1		2
47	Metalworking machinery and equipment	9	14	1	9	154	1	8	56	27
48	Special industry machinery and equipment	12				141		5	81	4
49	General industrial machinery equipment	61	99	1	217	16		(*)	5	22
50	Miscellaneous machinery, except electrical	25	24	8	27	212	2	17	57	69
51	Office, computing, and accounting machines									
52	Service industry machines									
53	Electric industrial equipment and apparatus					5			19	8
54	Household appliances		(*)	(*)		(*)			7	
55	Electric lighting and wiring equipment	1	3	1	10	59	(*)	1	10	31
56	Radio, TV, and communication equipment	(*)	1	(*)	(*)	1		(*)	1	(*)
57	Electronic components and accessories					24				
58	Miscellaneous electrical machinery and supplies		5		1	6			1	1
59	Motor vehicles and equipment	1	3	4	153	35	(*)		1	76
60	Aircraft and parts									
61	Other transportation equipment									
62	Scientific and controlling instruments	28	58	2	54	72	(*)	2	31	12
63	Optical, ophthalmic, and photographic equipment	3	11	(*)	7	12	(*)	(*)	5	14
64	Miscellaneous manufacturing	2	24	5	3	22	(*)	71	2	29
65	Transportation and warehousing	807	1,057	396	8,165	1,579	33	109	435	2,643
66	Communications, except radio and TV	49	213	26	277	188	3	44	43	126
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services	1,342	680	102	5,196	1,916	39	80	1,219	2,177
69	Wholesale and retail trade	877	1,655	341	2,695	1,632	75	208	383	891
70	Finance and insurance	95	442	53	1,192	317	7	110	79	276
71	Real estate and rental	224	916	55	392	515	4	57	153	262
72	Hotels; personal and repair services (except auto)	54	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	4		(*)	1	1
77	Health, educational, and social services and nonprofit organizations	26	176	12	86	113	1	3	9	30
78	Federal Government enterprises	17	123	24	105	66	3	64	23	47
79	State and local government enterprises	10	31		59	17	7	1	6	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									
I	Total intermediate inputs	20,323	29,338	5,941	184,902	32,948	1,019	4,495	6,321	18,874
VA	Value added	7,529	18,532	2,558	20,556	21,487	818	3,131	6,056	12,818
T	**Total industry output**	**27,852**	**47,870**	**8,500**	**205,459**	**54,435**	**1,837**	**7,625**	**12,377**	**31,692**

* Less than $500,000.

by Industries, 1982—Continued

at producers' prices]

Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metalworking 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
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
1	(*)	(*)	(*)	(*)	1	(*)	(*)	(*)	...	(*)	(*)	(*)	(*)	1	(*)	4
2,530	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
98	2,931	...	48	...	...	...	...	...	...	...	...	...	...	...	...	6
3,065	27	(*)	2	6	7	1	4	6	1	3	(*)	2	2	(*)	4	7
40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
246	16	...	4	...	10	...	...	...	...	...	...	...	...	...	...	9
60	1	...	...	...	...	...	...	...	...	...	...	...	...	...	19	10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
974	236	70	403	181	209	70	38	100	30	50	45	87	41	127	49	12
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
6	4	1	5	2	4	1	1	2	2	3	2	3	2	10	2	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
...	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
...	2	...	...	...	2	...	...	...	...	...	...	112	23	...	...	17
9	3	1	3	2	11	3	1	1	1	2	1	5	2	3	1	18
1	1	...	...	22	...	...	...	...	...	...	...	1	1	...	...	19
86	108	15	62	60	149	...	27	14	7	9	25	39	4	...	41	20
9	18	...	29	19	3	...	1	3	4	8	2	9	1	...	24	21
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
2	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	23
10	30	10	36	76	8	20	3	3	2	4	3	62	5	162	17	24
51	71	40	142	142	380	36	33	4	3	62	11	78	85	137	117	25
29	30	183	41	26	46	10	11	18	11	24	20	28	23	89	19	26
1,813	1,066	9	57	120	707	1	3	28	3	88	167	16	5	6	77	27
...	655	26	...	52	95	...	...	...	...	...	...	14	...	78	78	28
2	1	9	20	12	17	...	...	...	...	...	...	...	2	...	...	29
20	37	255	135	87	248	5	34	24	7	23	...	8	5	64	47	30
1,113	729	52	280	84	272	100	37	69	74	150	97	269	81	273	132	31
73	305	21	271	141	980	44	280	253	98	81	179	247	20	1,333	327	32
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33
4	1	...	...	...	...	...	...	(*)	...	(*)	...	...	(*)	2	(*)	34
2	16	(*)	285	20	39	(*)	...	(*)	...	(*)	17	1	(*)	5	11	35
458	142	7	67	27	135	80	24	109	20	163	51	139	186	58	87	36
10,655	316	2,763	6,935	4,632	4,202	1,400	1,239	2,853	759	1,236	847	2,285	854	236	1,062	37
1,082	17,480	1,433	2,817	891	2,074	453	106	97	112	285	268	672	392	535	902	38
3	2	452	...	13	10	...	...	...	...	...	...	...	...	...	...	39
...	...	...	770	...	8	186	...	314	101	110	152	200	...	359	140	40
196	97	7	1,022	648	530	264	214	100	71	91	76	283	73	592	378	41
518	359	125	1,220	382	1,502	178	130	275	115	144	213	289	195	464	366	42
17	...	...	1	...	46	1,169	716	464	82	...	104	120	43	...	45	43
...	...	...	...	...	...	...	899	...	...	...	...	...	...	...	...	44
...	...	...	...	...	...	...	...	1,294	7	...	...	...	...	...	...	45
13	12	...	...	...	...	...	...	...	287	...	6	...	...	...	...	46
391	458	52	221	309	281	191	85	181	63	924	161	319	267	146	150	47
59	18	...	...	2	13	...	...	...	...	...	391	...	...	...	...	48
662	343	2	242	18	48	303	611	1,286	469	369	474	1,561	159	52	402	49
376	211	37	225	791	279	460	296	141	139	446	392	479	1,300	148	260	50
5	...	...	...	...	...	...	...	...	...	...	...	...	...	8,089	...	51
2	...	...	90	...	...	...	...	...	...	...	7	...	...	...	891	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	(*)	4	(*)	56
...	...	...	...	...	10	...	...	...	...	7	26	51	...	4,515	...	57
2	1	(*)	1	...	3	145	85	2	7	1	...	(*)	33	51	(*)	58
3	4	1	24	48	3	71	252	224	1	3	8	1	27	5	1	59
...	...	...	...	...	...	...	...	...	...	...	...	...	45	...	...	60
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61
138	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
...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	67
4,571	3,233	248	594	489	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	882	69
308	345	59	242	168	324	60	43	97	31	102	109	132	213	483	57	70
228	197	77	275	129	239	40	62	76	51	114	80	166	165	417	79	71
121	91	38	231	55	111	19	15	32	14	37	33	60	53	548	54	72
1,108	881	185	1,008	644	1,123	240	191	537	186	422	329	686	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	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	28	12	6	...	21	27	9	10	...	...	81
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	82
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85
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 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
	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	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	43	144	186	36	188	217	62
13	Ordnance and accessories				(*)			(*)	2	(*)
14	Food and kindred products	3	2	1	5	6	1	2	5	3
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills		37	16				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
19	Miscellaneous fabricated textile products							2,059	96	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	193	146	125	74	78	6	15
26	Printing and publishing	45	16	16	299	67	11	41	92	30
27	Chemicals and selected chemical products	149	58	99	98	873	427	224	38	57
28	Plastics and synthetic materials	81	222	154	271	165	82	146	33	124
29	Drugs, cleaning and toilet preparations							5		1
30	Paints and allied products	62	115	32	38	1	20	372	68	174
31	Petroleum refining and related industries	206	34	65	180	268	70	319	440	226
32	Rubber and miscellaneous plastics products	377	648	308	2,037	1,483	302	3,846	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	Metalworking machinery and equipment	169	50	90	180	175	75	288	570	115
48	Special industry machinery and equipment									4
49	General industrial machinery equipment	106	70	4	53	4	58	695	414	635
50	Miscellaneous machinery, except electrical	129	46	40	269	151	55	1,225	684	316
51	Office, computing, and accounting machines	17			32			(*)	8	(*)
52	Service industry machines		218		7			1,196		113
53	Electric industrial equipment and apparatus	2,278	654	242	517	154	182	189	107	297
54	Household appliances		145							180
55	Electric lighting and wiring equipment	156	163	237	408	90	75	542	4	167
56	Radio, TV, and communication equipment	(*)	(*)	(*)	2,633	5	(*)	469	2,447	251
57	Electronic components and accessories	614		210	11,358	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	48
61	Other transportation equipment							22		908
62	Scientific and controlling instruments	47	329	3	115	12	9	248	571	60
63	Optical, ophthalmic, and photographic equipment	20	2	8	148	39	6	14	249	13
64	Miscellaneous manufacturing	18	69	3	27	16	2	29	17	28
65	Transportation and warehousing	418	187	220	678	822	303	1,052	1,027	366
66	Communications, except radio and TV	127	39	41	402	260	38	69	339	98
67	Radio and television broadcasting									
68	Private electric, gas, water, and sanitary services	466	262	206	720	995	257	1,099	847	374
69	Wholesale and retail trade	1,182	605	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	5,831	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	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Commodity number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
		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
																5
9																6
2	10	3	9			11,221			10						28	7
			250			33,555										8
(*)		39													2	9
																10
																11
69	65	112	4,410	3,737	23	7,090	3,160	504	20,641	660	670	751	379	529	1,399	12
			2	(*)		(*)	5	2	1	(*)	110	(*)			3	13
73	2	31	97		5	8	427	10	1	124	105	40,477	2	479	3,625	14
																15
270		388	2				1			178				49	49	16
213	10	63	66				63			22	3	28	14	17	22	17
34	1	16	109	51	(*)	5	79		2	337	35		37	77	384	18
	1	99	118				48	134	1	532	12	85	(*)	48	542	19
34		550	28			69	742		5	105		27		87	62	20
		9	(*)				25									21
4										2				2		22
														1		23
267	506	483	108	75	7	101	3,193	718	87	216	742	590	29	23	1,507	24
195	133	507	54	18	(*)	7	988	2		62	50	861	1	(*)	105	25
85	27	71	424	312	26	125	2,438	3,233	540	337	3,140	174	19	103	6,348	26
148	1,462	482	150	19	11	548	36	10	213	172	445	96	5	46	4,061	27
189	145	694														28
3		(*)	4	78		3	189	10	6	784	304	194		5	5,875	29
23	1	152	42	60						1	73		438	1	17	30
222	168	311	20,487	371	16	20,709	11,506	1,087	828	981	2,432	581	1,599	401	4,220	31
862	880	828	895	137	1	85	1,350	70	283	478	502	1,144	110	92	2,605	32
		56														33
6	(*)	52	7	1	1	1	118	14	4	58	8	2	(*)	29	32	34
109	187	16	21	4	(*)	1	42	13	2	139	42	222	240	1	266	35
66	62	86	75	24		13	97	4	22	197	28	184	521	4	59	36
355	64	540	180	1			12	2		3	5				11	37
708	464	1,229	70	118		30				7		17		4		38
11						7	151				43					39
50	16	4					28		161						7	40
466	174	139	70	132		68				25	79	413	1,928	10	160	41
389	192	342	642	51	(*)	217	396	18	7	27	249	91	1,356	17	186	42
		7	291	202		1,465					109		51			43
							5		26		301					44
											258				1	45
			6			8	109				185					46
115	25	40	86	2	(*)	20	59				125		11	1		47
		15					21				116	110				48
34	51	13	424	60		80	4	13	6		431		6			49
152	49	79	272	27	1	44	341		5	33	126	304	599	4	17	50
29			6			3	23	55	4	472	575				13	51
		27	17			1	453			45	36	294	540	15	20	52
405	65	112	221			191	3			19	223		157			53
			28	(*)		(*)	36	57	37	341	86	1		(*)	28	54
54	27	32	60	19	1	141	62	27	49	24	133	73	179	23	206	55
1	(*)	8	54	2,136	44	5	81	26	(*)	33	56	2	62	5	100	56
787	1,346	132	44	688	316	5	15	93		782	1,121				167	57
21	16	6	60	16	(*)	7	114	17	56	8	98	11	318	2	584	58
3	2	3	423	316	1	46	502	36	22	15	157	21	7,257	30	78	59
			1,046													60
		16	1,318	11	1	12		44		5	290		8	143	11	61
605	31	7	74	9	1	226	90	8	2	29	55	(*)	11	(*)	2,601	62
16	804	17	42	24	192	59	256	177	66	393	1,578	6	2	194	957	63
36	6	1,198	131	99	6	43	789	425	77	882	426	241	16	104	738	64
286	472	657	38,388	529	154	3,764	11,017	2,067	499	402	4,076	2,294	1,789	658	3,863	65
172	164	249	1,897	2,379	124	643	9,773	5,355	1,016	1,132	5,740	934	778	491	3,911	66
					95						213					67
357	264	405	2,498	1,170	181	63,708	17,867	2,974	4,829	3,866	2,432	4,580	970	1,198	7,190	68
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	69
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	70
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	71
70	86	98	445	266	112	339	2,780	1,300	137	1,027	2,756	985	162	310	2,106	72
915	1,131	1,446	7,323	3,748	640	2,161	53,398	19,581	9,755	3,882	23,471	6,715	2,079	3,666	16,259	73
248	307	212	1,756	478	248	256	11,388	2,602	1,396	574	4,179	325	171	591	3,618	74
189	59	67	3,300	212	9	234	7,648	637	255	459	2,115	232	238	462	1,607	75
24	16	11	47	5	3,254	12	1,202	5	(*)	21	220	1,279	(*)	5,749	592	76
62	102	84	332	137	38	200	693	878	171	543	1,250	336	44	219	5,347	77
63	38	108	250	390	15	621	2,797	4,277	893	220	1,908	224	35	86	1,805	78
11	8	12	222	123	28	52	484	75	100	113	88	169	70	25	258	79
59	39	751	5,879	1,848	19	7	746	720	6	21	621	73		89	51	80
			54							24			205			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 Industry number	Federal Government enterprises	State and local government enterprises	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total intermediate use
		78	79	82	83	84	85	
1	Livestock and livestock products	5						72,502
2	Other agricultural products	1,974	3					55,226
3	Forestry and fisnery products	11						7,962
4	Agricultural, forestry, and fishery services	1	23					12,810
5	Iron and ferroalloy ores mining							2,834
6	Nonferrous metal ores mining							4,267
7	Coal mining	1,259	992					23,060
8	Crude petroleum and natural gas							183,892
9	Stone and clay mining and quarrying							7,114
10	Chemical and fertilizer mineral mining		13					2,254
11	New construction							
12	Repair and maintenance construction	411	8,259					71,207
13	Ordnance and accessories	(*)	(*)					1,222
14	Food and kindred products	1,066	1					110,699
15	Tobacco manufactures							4,066
16	Broad and narrow fabrics, yarn and thread mills	8						29,616
17	Miscellaneous textile goods and floor coverings	2	4					6,993
18	Apparel	1	12					11,644
19	Miscellaneous fabricated textile products	71	5					5,582
20	Lumber and wood products, except containers							39,761
21	Wood containers							618
22	Household furniture							603
23	Other furniture and fixtures							1,226
24	Paper and allied products, except containers	54	44					49,149
25	Paperboard containers and boxes	14	(*)					18,138
26	Printing and publishing	210	110					29,515
27	Chemicals and selected chemical products	7	448					82,092
28	Plastics and synthetic materials							27,971
29	Drugs, cleaning and toilet preparations	29	29					14,417
30	Paints and allied products	1	(*)					7,853
31	Petroleum refining and related industries	425	2,886					127,435
32	Rubber and miscellaneous plastics products	17	74					45,234
33	Leather tanning and finishing	(*)						1,874
34	Footwear and other leather products	15	1					878
35	Glass and glass products	2	3					10,588
36	Stone and clay products	1	110					30,748
37	Primary iron and steel manufacturing	1	(*)					69,960
38	Primary nonferrous metals manufacturing	4						49,518
39	Metal containers							11,618
40	Heating, plumbing, and fabricated structural metal products	3	2					31,250
41	Screw machine products and stampings	25	6					20,305
42	Other fabricated metal products	9	10					33,112
43	Engines and turbines	6	47					7,136
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					2,367
55	Electric lighting and wiring equipment	15	76					9,794
56	Radio, TV, and communication equipment	7	4					11,234
57	Electronic components and accessories	2	21					31,094
58	Miscellaneous electrical machinery and supplies	7	26					4,597
59	Motor vehicles and equipment	36	130					41,436
60	Aircraft and parts							11,924
61	Other transportation equipment	17	115					3,241
62	Scientific and controlling instruments	3	12					8,459
63	Optical, ophthalmic, and photographic equipment	17	27					6,411
64	Miscellaneous manufacturing	52	42					7,389
65	Transportation and warehousing	2,537	739					133,461
66	Communications, except radio and TV	141	157					47,818
67	Radio and television broadcasting							316
68	Private electric, gas, water, and sanitary services	342	9,638					187,254
69	Wholesale and retail trade	283	823					145,568
70	Finance and insurance	67	238					107,268
71	Real estate and rental	588	396					155,437
72	Hotels; personal and repair services (except auto)	45	95					20,651
73	Business services	704	962					265,352
74	Eating and drinking places	72	366					42,328
75	Automobile repair and services	160	88					24,302
76	Amusements	20	1					12,861
77	Health, educational, and social services and nonprofit organizations	18	47					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	...	−309	−145	7	−151	−354	7,609	3
575	...	...	55	−3	97	9	88	661	267	394	1,386	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	234	29,850	16
2,655	1,157	−52	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	24	312	42	270	6,029	11,611	19
698	11	−622	2,590	−3,181	29	23	7	109	73	37	−365	39,396	20
...	...	−7	8	−12	6	4	3	...	...	...	−5	613	21
11,494	984	−239	310	−843	68	10	58	92	64	29	11,866	12,469	22
963	8,157	−28	329	−710	129	26	103	1,061	629	432	9,900	11,125	23
9,457	...	51	3,676	−5,610	170	44	125	1,875	800	1,075	9,617	58,767	24
265	...	−94	249	−57	57	36	22	164	63	101	585	18,723	25
17,489	...	107	1,528	−638	749	246	503	5,647	3,277	2,371	24,882	54,397	26
1,906	992	−939	12,348	−7,678	2,427	1,380	1,047	1,576	525	1,051	10,632	92,724	27
...	...	−487	4,058	−694	82	78	4	4	3	1	2,963	30,934	28
29,985	...	473	2,846	−2,952	399	224	175	2,638	349	2,289	33,391	47,808	29
323	...	−90	266	−20	4	1	3	181	148	34	664	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	102	1,003	205	798	10,261	55,496	32
...	...	−19	298	−336	1	1	1	...	...	...	−56	1,819	33
10,575	...	163	227	−4,303	43	36	7	52	...	52	6,758	7,635	34
1,406	...	−19	758	−821	27	16	11	513	134	379	1,865	12,452	35
1,728	...	−155	1,066	−1,968	92	44	48	145	57	88	907	31,655	36
7	18	−3,504	1,990	−10,984	181	145	37	37	7	29	−12,256	57,704	37
46	115	−1,165	2,915	−5,647	417	265	151	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	63	1,543	21,848	41
2,786	2,567	−486	2,499	−3,420	617	457	160	266	134	132	4,830	37,942	42
896	1,491	−410	3,414	−1,515	1,368	1,332	36	186	...	186	5,429	12,566	43
148	9,471	−231	1,524	−1,232	25	20	5	134	36	99	9,839	12,587	44
...	10,454	115	8,013	−1,238	232	204	28	556	...	556	18,132	22,706	45
...	3,781	−118	606	−436	203	187	15	4	2	2	4,039	6,717	46
379	11,327	−557	2,065	−2,514	175	143	32	99	60	40	10,974	18,216	47
223	9,287	−140	2,400	−2,240	99	73	26	43	41	2	9,672	12,768	48
...	8,902	−582	3,895	−3,491	658	639	19	80	...	80	9,462	23,231	49
74	53	−150	977	3	657	624	34	60	30	31	1,675	14,932	50
1,295	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
107	8,417	−345	3,676	−1,899	1,254	1,031	224	197	79	118	11,408	27,667	53
7,983	1,839	−333	1,097	−1,317	43	37	6	131	50	81	9,443	11,809	54
1,730	151	−59	962	−1,113	82	56	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	41,737	52,971	56
1,254	105	244	5,805	−7,057	1,632	1,283	349	98	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	2,884	−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	...	1,513	...	2,503	1,259	1,244	2,520	1,280	1,240	47,495	95,313	66
628	...	...	...	...	...	...	...	...	...	...	628	943	67
80,285	...	...	271	−5,581	3,198	2,080	1,118	8,590	3,831	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	412,183	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
26,888	...	(*)	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
38,369	...	9	6	...	137	91	45	1,094	238	856	39,614	63,916	75
25,574	...	−90	1,373	−56	349	289	60	265	221	44	27,415	40,275	76
290,422	...	...	486	...	5,382	547	4,835	1,952	−1,095	3,047	298,242	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	(*)	−45,982	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	82,809	32,208	218,798	120,910	97,888	333,815	333,815	82
−14,410	...	...	107,228	−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
...	...	...	...	...	...	...	...	...	...	...	3,166,245	...	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
	Commodity number	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	3	(*)	4	4
7	Coal mining						5	28,309		19	
8	Crude petroleum and natural gas							3	144,693	1	
9	Stone and clay mining and quarrying					5	1	7	3	6,446	
10	Chemical and fertilizer mineral mining						1			20	2,195
11	New construction										
12	Repair and maintenance construction										
13	Ordnance 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 fabricated textile products										
20	Lumber and wood products, except containers										
21	Wood containers										
22	Household furniture										
23	Other furniture and fixtures										
24	Paper and allied products, except containers										
25	Paperboard containers and boxes										
26	Printing and publishing										
27	Chemicals and selected chemical products								64		33
28	Plastics and synthetic materials										
29	Drugs, cleaning and toilet preparations									1	
30	Paints and allied products										
31	Petroleum refining and related industries									88	
32	Rubber and miscellaneous plastics products									3	
33	Leather tanning and finishing										
34	Footwear and other leather products										
35	Glass and glass products										
36	Stone and clay products									207	(*)
37	Primary iron and steel manufacturing									6	
38	Primary nonferrous metals manufacturing						(*)				
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products										
41	Screw machine products and stampings										
42	Other fabricated metal products										
43	Engines and turbines										
44	Farm and garden machinery										
45	Construction and mining machinery										
46	Materials handling machinery and equipment										
47	Metalworking machinery and equipment										
48	Special industry machinery and equipment										
49	General industrial machinery equipment										
50	Miscellaneous machinery, except electrical										
51	Office, computing, and accounting machines										
52	Service industry machines										
53	Electric industrial equipment and apparatus										
54	Household appliances										
55	Electric lighting and wiring equipment										
56	Radio, TV, and communication equipment										
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies										
59	Motor vehicles and equipment										
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments										
63	Optical, ophthalmic, and photographic equipment										
64	Miscellaneous manufacturing										
65	Transportation and warehousing										
66	Communications, except radio and TV										
67	Radio and television broadcasting										
68	Private electric, gas, water, and sanitary services								210		
69	Wholesale and retail trade										
70	Finance and insurance										
71	Real estate and rental										
72	Hotels; personal and repair services (except auto)										
73	Business services										
74	Eating and drinking places										
75	Automobile repair and services										
76	Amusements										
77	Health, educational, and social services and nonprofit organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	Government industry										
83	Rest of the world industry										
84	Household industry										
85	Inventory valuation adjustment										
T	**Total commodity output**	**74,051**	**93,205**	**7,609**	**14,196**	**2,478**	**3,804**	**28,321**	**144,971**	**6,795**	**2,232**

* Less than $500,000.

by Industries, 1982

at producers' prices]

New construction	Repair and maintenance construction	Ordnance and accessories	Food and kindred products	Tobacco manufactures	Broad and narrow fabrics, yarn and thread mill	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	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														1
			686						97								2
																	3
																	4
																	5
																	6
																	7
																112	8
			(*)													1	9
																1,047	10
275,280																	11
	109,095																12
		15,803								(*)	1						13
			273,081			1	14	1	6			2	52	12	12	377	14
				20,187									4				15
					29,240	279	330	1,227			11	23	80		15		16
					126	9,980	12	42	39		(*)	27	49		14	7	17
					152	48	52,762	218					16				18
			5		127	20	31	9,693	6		8	4	51	1	11		19
			(*)		2	1		1	38,702	62	23	32	67	8	(*)	51	20
									41	540	1	1	7	3			21
					1	11		26	47	(*)	12,198	30	4				22
		11				21		6	51	1	32	10,606	8		6	2	23
			(*)	49	3	189		52	100			1	56,991	80	365	309	24
						5			2	1			92	18,295	52		25
				4		40		17	13			13	470	62	53,253	6	26
		15	331					4	1			1	100		60	70,436	27
			13		119	169		74					5			2,059	28
			317				4	23	11				12		5	1,552	29
			3			2							1			139	30
					5				2				17	5		13,417	31
		36	43		49	136	40	35	16	1	37	10	130	29	38	380	32
			1				1	3									33
					1		32	26	8			(*)	4		4		34
							3	2	3		4			10	3		35
					4	22		8	37				76		(*)	115	36
		39					1		29			(*)	9	9	9	287	37
		4							7		3	3	33			775	38
			15										9	72	211	12	39
		42						5	48	3	16	24	15		2	144	40
		51						14	3		4	8	2	22	2	4	41
		29	1		8			6	29	1	22	42	171	78	90	23	42
		33										5					43
									9	1	3	4		14		22	44
		10									9					50	45
		40						2			1	8			(*)		46
		55					1				1	2	2	2	8	21	47
		5			4		2	1	29	(*)		3	3			57	48
		7			2	1		6			11	5				36	49
		4						3	1		1	(*)	1			14	50
		7						11			1	41	31		63	37	51
		12	13					3				6		3		47	52
						1						4	9		1	23	53
		21				11			4		11	35	16			6	54
		33			3	21		6	5		1	4	15		12	9	55
		406									15	1	3		13	14	56
		53				10			6	2	9		11		(*)	28	57
																39	58
		32					17	27	2			109	42			3	59
		638										21			29		60
		58					5	11	9			21		15			61
		28	8		2	3	9	4	7		1	16	49		5	119	62
		2										7	72		34	270	63
		11	(*)		4	2	26	57	28		46	6	40	4	83	226	64
																	65
																	66
																	67
																349	68
																	69
																	70
																	71
																	72
																	73
																	74
																	75
																	76
																	77
																99	78
																	79
																	82
																	83
																	84
																	85
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	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
	Commodity number	28	29	30	31	32	33	34	35	36
1	Livestock and livestock products									
2	Other agricultural products									
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services									
5	Iron and ferroalloy ores mining									
6	Nonferrous metal ores mining									
7	Coal mining									
8	Crude petroleum and natural gas				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	Ordnance and accessories					3				
14	Food and kindred products	7	321		1	88				
15	Tobacco manufactures									
16	Broad and narrow fabrics, yarn and thread mills	1,607	(*)		4	55		1	4	74
17	Miscellaneous textile goods and floor coverings	66	10	3	1	83	(*)	1		
18	Apparel	4				7	(*)	28		
19	Miscellaneous fabricated textile products	2	5			21		4		1
20	Lumber and wood products, except containers		12	1	3	63			5	8
21	Wood containers					2		(*)		
22	Household furniture					32		9	42	
23	Other furniture and fixtures	9				44		3		1
24	Paper and allied products, except containers	37	21	7	4	418				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	5	51,931	1	41	6	102
33	Leather tanning and finishing				1	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				
45	Construction and mining machinery					20				2
46	Materials handling machinery and equipment					1				
47	Metalworking machinery and equipment	5	22		1	34				5
48	Special industry machinery and equipment		8	2		14				18
49	General industrial machinery equipment	3	3	2		84			11	3
50	Miscellaneous machinery, except electrical					3				12
51	Office, computing, and accounting machines					66		1		
52	Service industry machines		11			11			(*)	4
53	Electric industrial equipment and apparatus					50			3	32
54	Household appliances		19			28			(*)	
55	Electric lighting and wiring equipment				1	14		2	16	9
56	Radio, TV, and communication equipment	12				38				9
57	Electronic components and accessories					58				21
58	Miscellaneous electrical machinery and supplies		8			12		4	(*)	3
59	Motor vehicles and equipment		10	25	9	7				46
60	Aircraft and parts				10	146				16
61	Other transportation equipment					6			(*)	
62	Scientific and controlling instruments		279			42		6	39	
63	Optical, ophthalmic, and photographic equipment	50	19	10		185			(*)	12
64	Miscellaneous manufacturing		63	3	2	197	(*)	21	(*)	36
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	Metalworking 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	38	5	11		2	13
		21	8	35	3		1				14				10	14
		20														15
					4						26					16
	3				4						11	3			2	17
			1								1			3		18
	1		1	1	12		1		(*)	3	1		(*)			19
1	3		66	2	60		3		2	5	3	2	4			20
					1				1							21
13	13		26	7	29		6			8				28		22
3			26	7	12		3		9	3	4	7	5	16	8	23
			8		159						18	8		221		24
		15		18	24				11	2	1					25
5		15	8		72					10	16		1	51		26
5	42		14	19	99		34		2	13	103	16		5	14	27
					14					10						28
					10						5	20			1	29
			1													30
		70						2		6		8				31
29	18	3	46	24	129		19	7	12	134	32	45	30	27	7	32
																33
			1	2	8		1			3	1					34
4			14	4	17					11		5	1			35
5			47	1	39		4	5	1	35	8	25	8	10	1	36
55,680	343		156	103	1,535		40	18	4	96	8	84	26	14		37
361	44,650	20	113	14	370		2			121	15	59	8			38
		11,537	25	24	11		3			9	1					39
72	99	9	35,294	87	214	25	59	27	53	38	29	105	46		80	40
61	39	40	84	19,999	114	23	28	14	11	330	13	49	13	13	16	41
302	90	9	153	149	33,018	36	50	68	39	230	110	169	88	18	34	42
7	2		146	13	28	10,885	2	14		44	22	88	12	14	17	43
93	(*)		52	19	40	45	11,755	254	15	12	31	36	6		6	44
177			126	7	315	269	114	21,743	154	37	24	270	24		10	45
20			28	8	19	9	20	56	6,110	30	50	79	15	28	3	46
60	5		36	32	122	10	77	36	27	16,198	72	74	34	21	19	47
28	6	2	75	13	37	9	23	24	36	111	11,556	131	15	73	39	48
60	58		145	36	359	183	43	79	29	69	125	20,833	118	67	143	49
19	20	2	19	6	35	37	5	6	5	78	29	93	14,155	2	13	50
2			50	57	117				19	21	14	95	15	37,741	5	51
7	58	6	102	7	67		18	1	17	17	16	121	15	20	13,928	52
23	73		20	8	36	99		4	17	47	11	85	10	88	24	53
31	5	10	89	115	24		22				1	86	5		240	54
63	75		41	48	78				15	13	4	9	12	27	1	55
14	121		20	3	97			8	4	6	36	12	28	288	7	56
23	40		43	53	40	13		9		55	118	80	22	1,313		57
11	257		1	3	5			4	(*)	6	(*)	12	40	26	6	58
407	156	4	126	731	168	177	86	114	59	177	27	71	49	39	190	59
80	11		132	97	162	606	48	118	47	74	116	244	25	168	81	60
14			122	10	44	89	114	74	6	58	11	54	13		9	61
2	23		40	17	99			10	12	23	13	82	19	78	14	62
	2	8	8	17	13	25		12		24	30	50	31	177	2	63
6	18	1	20	22	59		6	1		20	9	18	7	8	1	64
																65
																66
																67
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																83
																84
																85
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	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
	Commodity 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									
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									
32	Rubber and miscellaneous plastics products	14	15	25	10	35	7	64	27	16
33	Leather tanning and finishing							3		
34	Footwear and other leather products							1	1	
35	Glass and glass products	6	8	12	12			25		
36	Stone and clay products	14		34	26	20	5	9	11	3
37	Primary iron and steel manufacturing	14		68		17		163		4
38	Primary nonferrous metals manufacturing	46	3	21	15	21	63	182	10	5
39	Metal containers			2				7		
40	Heating, plumbing, and fabricated structural metal products	59	62	27	30	5	28	70	42	29
41	Screw machine products and stampings	42	128	21		17	22	44	9	11
42	Other fabricated metal products	109	24	40	25	24	21	45	25	15
43	Engines and turbines	566	7		22			171	43	4
44	Farm and garden machinery	3	10	8	7		3	22	10	45
45	Construction and mining machinery	49			33			105	3	20
46	Materials handling machinery and equipment	12			7		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	28	103	1,304	49		50	22
52	Service industry machines	14	230	17	18	12	32	544		1
53	Electric industrial equipment and apparatus	24,964	19	168	153	346	30	44	8	5
54	Household appliances	76	11,005	12	38		26	43	13	
55	Electric lighting and wiring equipment	140		10,628	115	131	42	110		7
56	Radio, TV, and communication equipment	315	13	60	50,307	824	7	70	49	4
57	Electronic components and accessories	135	10	156	402	29,553	78	30	37	
58	Miscellaneous electrical machinery and supplies	110	1	45	36	47	11,044	224	15	
59	Motor vehicles and equipment	203	89	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									
82	Government industry									
83	Rest of the world industry									
84	Household industry									
85	Inventory valuation adjustment									
T	**Total commodity output**	**27,667**	**11,809**	**11,818**	**52,971**	**33,175**	**11,907**	**110,674**	**55,613**	**25,717**

* Less than $500,000.

by Industries, 1982—Continued

at producers' prices]

Scientific and controlling instruments	Optical, ophthalmic, and photographic equipment	Miscellaneous manufacturing	Transportation and warehousing	Communications, except radio and TV	Radio and TV broadcasting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business services	Eating and drinking places	Automobile repair and services	Amusements	Health, educational, and social services and nonprofit organizations	Industry number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
														86		1
			28											151		2
																3
																4
																5
																6
																7
						6,290										8
																9
																10
																11
																12
10	7	24														13
		14									2					14
		(*)														15
35		13														16
6		8														17
19		44									1					18
8		20									1					19
13		16									(*)					20
																21
21	9	30									4					22
33	4	22									2					23
48	71	173									16					24
		(*)									37					25
12	22	100									31,878					26
92	211	54														27
11	16															28
138		56									2					29
	1	3														30
		3														31
51	9	111									2					32
		3														33
3	1	14									1					34
24		7									2					35
25	6	24														36
	9	1				78										37
11		30														38
																39
36		19									3					40
18	2	39									2					41
237		64									4					42
22																43
5		6														44
42		12														45
8																46
42	1	11									(*)					47
34	4	6														48
60	9	7														49
7	4	2														50
249	94	46									8					51
29		19														52
165	21	1									2					53
23		17														54
23	7	19									1					55
184	78	19														56
98	44	65														57
30	8	2														58
66	4	27														59
209	2	90														60
14		17														61
20,734	182	54									1					62
225	19,039	45														63
65	2	25,242									1,101					64
			211,749			1,759			111							65
				95,313												66
					943						13,898					67
						238,405										68
							555,436									69
								226,865								70
									483,767							71
									469	73,514	92					72
									1,951	32	271,914					73
												148,220				74
													63,492			75
											613			39,655		76
											372				311,302	77
			12			5,131	1,348	94	180			1,529		61		78
			7,013			22,355	967	54	2,237				424	322		79
																82
																83
																84
																85
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**	**T**

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	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
	Commodity number	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					86,157
27	Chemicals and selected chemical products			5					78,617
28	Plastics and synthetic materials			2					27,852
29	Drugs, cleaning and toilet preparations			(*)					47,870
30	Paints and allied products			(*)					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								483,767
72	Hotels; personal and repair services (except auto)								74,074
73	Business services								273,897
74	Eating and drinking places								148,220
75	Automobile repair and services								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.

By REGIONAL ECONOMIC MEASUREMENT DIVISION

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

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

Residence adjustment

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

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

* * *

Data Availability

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

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

Table A.—Example of Available Data for Local Areas: Personal Income by Major Source and Earnings by Major Industry, 1981–84 [1]

[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	2,620,860	2,881,734	3,056,947	3,055,307
Less: Personal contributions for social insurance [4]	119,205	134,581	151,142	166,846	183,823	184,825
Plus: Residence adjustment [5]	−37,826	−49,113	−84,129	−83,272	−76,613	80,628
Equals: Net earnings by place of residence	1,957,788	2,147,352	2,385,589	2,631,616	2,796,511	2,951,110
Plus: Dividends, interest, and rent [6]	452,231	493,499	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	2,597,894	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	217,847	235,511	246,829
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	58,776	58,466	63,010	67,355	75,024	75,854
Retail trade	176,476	181,189	209,669	231,850	259,987	285,667
Finance,insurance, and real estate	37,553	30,953	41,824	46,642	53,016	69,861
Services	269,397	299,801	339,736	386,550	433,581	489,116
Government and government enterprises	470,645	506,013	555,702	619,455	662,602	689,244
Federal, civilian	94,469	97,353	104,385	116,568	119,060	119,760
Military	203,784	222,974	246,283	273,489	288,431	295,090
State and local	172,392	185,686	205,034	229,398	255,111	274,394

1. Estimates on 1972 SIC.
2. Farm income consists of proprietors' net farm income, the wages of hired farm labor, the pay-in-kind of hired farm labor, and the salaries of officers of corporate farms.
3. Midyear population estimates of the Bureau of the Census. Estimates for 1981–86 reflect revisions available as of March 1988.
4. Personal contributions for social insurance are included in earnings by type and industry but excluded from personal income.
5. U.S. adjustment for residence consists of adjustments for border workers: income of U.S. residents commuting outside U.S. borders to work less income of foreign residents commuting inside U.S. borders to work plus certain Caribbean seasonal workers.
6. Includes the capital consumption adjustment for rental income of persons.
7. Includes the inventory valuation and capital consumption adjustments.
8. "Other" consists of the wages and salaries of U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

[D] Not shown to avoid disclosure of confidential information.
[L] Less than $50,000. Estimates are included in totals.
[E] 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: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in U.S. 1986
United States [1]	**3,101,163**	**3,320,346**	**3,528,589**	**6.3**	**13,116**	**13,910**	**14,639**	
Metropolitan portion	**2,527,535**	**2,717,169**	**2,894,798**	**6.5**	**13,977**	**14,856**	**15,642**	
Nonmetropolitan portion	**573,628**	**603,177**	**633,791**	**5.1**	**10,316**	**10,811**	**11,323**	
Consolidated Metropolitan Statistical Areas [4]								
Buffalo, NY	15,323	16,063	16,890	5.1	12,849	13,556	14,294	
Chicago, IL	119,545	126,332	133,924	6.0	14,839	15,634	16,501	
Cincinnati, OH	21,744	23,115	24,649	6.6	12,997	13,748	14,585	
Cleveland, OH	38,567	40,646	42,560	4.7	13,843	14,659	15,389	
Dallas, TX	52,547	58,146	60,690	4.4	15,548	16,492	16,603	
Denver, CO	28,435	30,092	31,433	4.5	15,820	16,462	17,014	
Detroit, MI	65,896	72,041	76,769	6.6	14,380	15,688	16,686	
Houston, TX	52,213	54,572	54,101	−.9	14,541	15,136	14,886	
Los Angeles, CA	189,261	205,928	222,432	8.0	15,155	16,139	17,012	
Miami, FL	40,407	43,650	47,010	7.7	14,274	15,238	16,144	
Milwaukee, WI	22,216	23,304	24,550	5.3	14,342	15,022	15,818	
New York, NY	296,236	317,663	343,124	8.0	16,724	17,859	19,238	
Philadelphia, PA	82,356	88,903	94,919	6.8	14,302	15,364	16,274	
Pittsburgh, PA	30,733	31,952	33,209	3.9	12,972	13,687	14,338	
Portland, OR	17,995	19,088	20,212	5.9	13,447	14,139	14,818	
San Francisco, CA	102,338	110,421	117,968	6.8	17,931	19,029	20,070	
Seattle, WA	32,934	35,512	38,378	8.1	14,897	15,779	16,799	
Metropolitan Statistical Areas [5]								
Abilene, TX	1,527	1,643	1,646	.2	12,481	13,369	13,078	179
Akron, OH *	8,286	8,763	9,222	5.2	12,768	13,580	14,302	115
Albany, GA	1,185	1,251	1,312	4.9	10,109	10,636	11,196	284
Albany-Schenectady-Troy, NY	11,089	11,807	12,688	7.5	13,250	14,071	15,041	75
Albuquerque, NM	5,599	6,148	6,519	6.0	12,303	13,218	13,742	139
Alexandria, LA	1,372	1,452	1,499	3.2	9,855	10,437	10,738	298
Allentown-Bethlehem, PA-NJ	8,782	9,363	9,812	4.8	13,578	14,390	14,939	79
Altoona, PA	1,345	1,439	1,514	5.2	10,070	10,823	11,429	278
Amarillo, TX	2,498	2,638	2,672	1.3	13,014	13,616	13,684	147
Anaheim-Santa Ana, CA *	36,656	40,275	43,670	8.4	17,558	18,935	20,154	9
Anchorage, AK	4,623	4,839	4,829	−.2	20,319	20,829	20,550	6
Anderson, IN	1,594	1,672	1,732	3.6	11,908	12,525	13,053	181
Anderson, SC	1,383	1,452	1,537	5.9	9,997	10,411	10,922	294
Ann Arbor, MI *	4,081	4,464	4,922	10.3	15,652	17,036	18,505	20
Anniston, AL	1,167	1,233	1,297	5.2	9,335	9,978	10,476	304
Appleton-Oshkosh-Neenah, WI	3,729	3,963	4,239	7.0	12,347	13,018	13,786	137
Asheville, NC	1,870	2,006	2,139	6.6	11,244	11,912	12,587	211
Athens, GA	1,444	1,565	1,731	10.6	10,522	11,223	12,234	239
Atlanta, GA	34,082	38,221	42,012	9.9	14,324	15,478	16,408	44
Atlantic City, NJ	4,755	5,153	5,520	7.1	16,458	17,546	18,563	19
Augusta, GA-SC	4,068	4,481	4,836	7.9	10,991	11,790	12,399	223
Aurora-Elgin, IL *	4,683	5,035	5,245	4.2	14,171	14,987	15,294	65
Austin, TX	8,952	10,137	10,565	4.2	13,769	14,530	14,544	96
Bakersfield, CA	5,723	6,220	6,636	6.7	12,345	12,970	13,429	163
Baltimore, MD	32,567	35,185	37,481	6.5	14,551	15,627	16,439	43
Bangor, ME (NECMA)	1,477	1,550	1,651	6.5	10,673	11,247	11,943	251
Baton Rouge, LA	6,465	6,734	6,682	−.8	12,026	12,408	12,243	236
Battle Creek, MI	1,547	1,656	1,729	4.4	11,312	12,168	12,634	209
Beaumont-Port Arthur, TX	4,802	4,865	4,819	−.9	12,527	12,811	12,824	194
Beaver County, PA *	2,215	2,258	2,211	−2.1	11,180	11,579	11,443	276
Bellingham, WA	1,254	1,349	1,456	7.9	11,239	11,975	12,809	198
Benton Harbor, MI	1,872	1,968	2,090	6.2	11,485	12,099	12,773	200
Bergen-Passaic, NJ *	24,086	25,865	27,926	8.0	18,518	19,904	21,518	3
Billings, MT	1,499	1,535	1,564	1.9	12,584	12,735	13,019	185
Biloxi-Gulfport, MS	1,901	1,942	2,133	9.9	9,652	9,653	10,449	306
Binghamton, NY	3,351	3,503	3,715	6.1	12,829	13,349	14,191	123
Birmingham, AL	10,412	11,231	11,933	6.3	11,619	12,417	13,099	178
Bismarck, ND	1,022	1,053	1,090	3.5	11,989	12,282	12,688	207
Bloomington, IN	1,021	1,074	1,165	8.4	10,072	10,580	11,454	275
Bloomington-Normal, IL	1,602	1,704	1,793	5.2	13,052	13,839	14,609	91
Boise City, ID	2,486	2,674	2,767	3.5	13,154	13,897	14,275	117
Boston-Lawrence-Salem-Lowell-Brockton, MA (NECMA)	59,929	64,616	70,237	8.7	16,198	17,411	18,959	15
Boulder-Longmont, CO *	3,282	3,477	3,693	6.2	15,638	16,351	17,228	31
Bradenton, FL	2,324	2,521	2,730	8.3	13,705	14,436	15,412	60
Brazoria, TX *	2,485	2,576	2,525	−2.0	13,378	13,770	13,376	169
Bremerton, WA	2,099	2,238	2,375	6.1	12,750	13,406	14,032	126
Bridgeport-Stamford-Norwalk-Danbury, CT *	17,296	18,644	20,116	7.9	21,181	22,728	24,501	1
Brownsville-Harlingen, TX	1,684	1,799	1,854	3.1	6,822	7,138	7,205	315
Bryan-College Station, TX	1,137	1,191	1,218	2.3	9,574	9,813	10,081	310
Buffalo, NY *	12,651	13,244	13,958	5.4	12,971	13,680	14,469	103
Burlington, NC	1,203	1,290	1,403	8.7	11,830	12,604	13,704	143
Burlington, VT (NECMA)	1,618	1,781	1,944	9.2	12,875	14,002	14,949	78
Canton, OH	4,831	5,021	5,167	2.9	12,010	12,516	12,905	188
Casper, WY	1,060	1,053	969	−8.0	14,230	14,525	13,655	149
Cedar Rapids, IA	2,180	2,305	2,417	4.9	12,906	13,633	14,319	114
Champaign-Urbana-Rantoul, IL	2,044	2,170	2,287	5.4	11,979	12,728	13,366	171
Charleston, SC	4,825	5,169	5,482	6.1	10,187	10,838	11,288	280
Charleston, WV	3,179	3,309	3,415	3.2	11,696	12,297	12,819	195
Charlotte-Gastonia-Rock Hill, NC-SC	12,834	13,963	15,206	8.9	12,442	13,257	14,273	120
Charlottesville, VA	1,495	1,631	1,782	9.3	12,586	13,615	14,678	89
Chattanooga, TN-GA	4,628	4,961	5,333	7.5	10,888	11,682	12,533	215
Cheyenne, WY	948	996	1,020	2.5	12,872	13,580	13,567	155
Chicago, IL *	93,053	98,100	104,250	6.3	15,113	15,900	16,847	37
Chico, CA	1,736	1,865	2,015	8.0	10,969	11,483	12,088	244
Cincinnati, OH-KY-IN *	18,469	19,628	20,983	6.9	13,115	13,888	14,791	86
Clarksville-Hopkinsville, TN-KY	1,441	1,535	1,646	7.2	9,492	9,974	10,663	299
Cleveland, OH *	27,200	28,602	30,043	5.0	14,574	15,401	16,238	48
Colorado Springs, CO	4,579	5,063	5,386	6.4	12,992	13,789	14,159	124
Columbia, MO	1,242	1,320	1,409	6.7	11,828	12,583	13,231	174
Columbia, SC	4,919	5,335	5,745	7.7	11,360	12,242	12,920	187
Columbus, GA-AL	2,452	2,618	2,789	6.5	9,967	10,574	11,134	288
Columbus, OH	16,415	17,687	18,810	6.3	12,873	13,745	14,476	101
Corpus Christi, TX	4,034	4,357	4,306	−1.2	11,286	12,110	11,853	258
Cumberland, MD-WV	1,070	1,105	1,165	5.4	10,261	10,717	11,402	279
Dallas, TX *	36,224	39,991	41,829	4.6	16,257	17,221	17,419	28
Danville, VA	1,198	1,221	1,276	4.5	10,780	11,019	11,560	271
Davenport-Rock Island-Moline, IA-IL	4,813	4,951	5,049	2.0	12,626	13,137	13,597	153
Dayton-Springfield, OH	11,953	12,783	13,488	5.5	12,864	13,737	14,449	105
Daytona Beach, FL	3,500	3,861	4,185	8.4	11,646	12,424	13,041	182
Decatur, IL	1,580	1,662	1,702	2.4	12,281	12,958	13,434	162
Denver, CO *	25,153	26,615	27,740	4.2	15,844	16,476	16,986	35
Des Moines, IA	5,241	5,505	5,802	5.4	13,898	14,499	15,216	69
Detroit, MI *	61,815	67,577	71,847	6.3	14,304	15,607	16,575	40
Dothan, AL	1,269	1,365	1,449	6.2	9,897	10,633	11,158	285
Dubuque, IA	1,024	1,052	1,083	3.0	11,119	11,448	11,894	254
Duluth, MN-WI	2,744	2,793	2,892	3.5	10,876	11,287	11,875	257
Eau Claire, WI	1,470	1,542	1,667	8.1	10,779	11,309	12,190	241
ElPaso, TX	4,616	4,906	5,153	5.0	8,580	8,931	9,177	313
Elkhart-Goshen, IN	1,770	1,859	2,012	8.2	12,373	12,797	13,740	140
Elmira, NY	1,066	1,096	1,153	5.2	11,526	12,003	12,735	202
Enid, OK	872	865	858	−.9	13,222	13,437	13,642	150
Erie, PA	3,174	3,359	3,497	4.1	11,253	12,046	12,524	216
Eugene-Springfield, OR	2,968	3,112	3,268	5.0	11,140	11,794	12,419	220
Evansville, IN-KY	3,586	3,753	3,931	4.7	12,751	13,312	13,979	130
Fargo-Moorhead, ND-MN	1,757	1,830	1,942	6.2	12,288	12,642	13,369	170
Fayetteville, NC	2,494	2,664	2,814	5.6	9,818	10,428	10,884	295
Fayetteville-Springdale, AR	1,065	1,149	1,254	9.1	10,238	10,876	11,682	263
Flint, MI	5,849	6,313	6,544	3.7	13,497	14,535	15,049	74
Florence, AL	1,298	1,375	1,424	3.5	9,480	9,981	10,336	308
Florence, SC	1,096	1,162	1,227	5.6	9,580	10,045	10,576	300
Fort Collins-Loveland, CO	2,051	2,205	2,338	6.0	12,364	12,922	13,390	166
Fort Lauderdale-Hollywood-Pompano Beach, FL *	17,720	19,242	20,710	7.6	16,095	17,178	18,128	23
Fort Myers-Cape Coral, FL	3,351	3,786	4,146	9.5	13,132	14,190	14,854	82
Fort Pierce, FL	2,509	2,794	3,000	7.4	13,117	14,064	14,587	93
Fort Smith, AR-OK	1,722	1,843	1,961	6.4	10,078	10,626	11,145	286
Fort Walton Beach, FL	1,376	1,503	1,642	9.2	10,605	11,128	11,620	266
Fort Wayne, IN	4,367	4,709	5,131	9.0	12,516	13,387	14,409	109
Fort Worth-Arlington, TX *	16,322	18,156	18,861	3.9	14,177	15,084	15,041	75
Fresno, CA	6,813	7,445	7,873	5.7	12,047	12,925	13,397	165
Gadsden, AL	1,001	1,045	1,077	3.0	9,710	10,234	10,525	303
Gainesville, FL	1,943	2,131	2,284	7.2	10,103	10,787	11,434	277
Galveston-Texas City, TX *	2,843	2,963	2,943	−.7	13,353	13,857	13,700	144
Gary-Hammond, IN *	7,264	7,535	7,643	1.4	11,592	12,157	12,434	219
Glens Falls, NY	1,173	1,260	1,342	6.5	10,596	11,297	11,943	251
Grand Forks, ND	752	788	831	5.5	10,888	11,367	11,976	247
Grand Rapids, MI	8,062	8,715	9,330	7.1	12,921	13,740	14,380	113
Great Falls, MT	987	1,000	1,034	3.4	12,118	12,375	13,020	184
Greeley, CO	1,488	1,551	1,657	6.8	11,183	11,562	12,271	234
Green Bay, WI	2,361	2,526	2,698	6.8	12,853	13,647	14,414	107
Greensboro-Winston-Salem-High Point, NC	11,262	12,142	13,044	7.4	12,730	13,576	14,501	99
Greenville-Spartanburg, SC	6,627	7,097	7,624	7.4	11,173	11,824	12,572	213
Hagerstown, MD	1,306	1,387	1,462	5.4	11,558	12,198	12,810	197
Hamilton-Middletown, OH *	3,275	3,487	3,666	5.1	12,370	13,013	13,506	159
Harrisburg-Lebanon-Carlisle, PA	7,052	7,537	8,034	6.6	12,347	13,130	13,916	133
Hartford-New Britain-Middletown-Bristol, CT (NECMA)	17,381	18,745	20,405	8.9	16,275	17,418	18,834	16
Hickory, NC	2,326	2,461	2,680	8.9	10,969	11,444	12,315	229
Honolulu, HI	11,064	11,792	12,561	6.5	13,805	14,538	15,380	61
Houma-Thibodaux, LA	2,039	2,077	1,981	−4.6	10,786	10,985	10,476	304
Houston, TX *	46,886	49,033	48,634	−.8	14,688	15,301	15,053	73
Huntington-Ashland, WV-KY-OH	3,227	3,351	3,422	2.1	9,644	10,111	10,426	307
Huntsville, AL	2,646	2,936	3,201	9.0	12,008	12,881	13,698	145
Indianapolis, IN	15,738	16,894	18,000	6.5	13,178	14,039	14,844	83
Iowa City, IA	1,116	1,173	1,265	7.9	13,080	13,724	14,834	85
Jackson, MI	1,676	1,741	1,830	5.1	11,622	12,144	12,666	208
Jackson, MS	4,203	4,477	4,698	5.0	11,074	11,527	11,985	246
Jackson, TN	775	824	877	6.5	10,112	10,589	11,235	281
Jacksonville, FL	9,935	10,911	11,760	7.8	12,448	13,219	13,792	136
Jacksonville, NC	1,094	1,193	1,267	6.2	9,108	9,725	10,013	311
Janesville-Beloit, WI	1,701	1,793	1,865	4.0	12,296	12,963	13,534	156
Jersey City, NJ *	7,192	7,532	8,017	6.4	12,833	13,522	14,495	100
Johnson City-Kingsport-Bristol, TN-VA	4,271	4,536	4,767	5.1	9,669	10,259	10,749	297
Johnstown, PA	2,630	2,689	2,789	3.7	10,133	10,490	10,972	292
Joliet, IL *	4,761	5,099	5,325	4.4	13,153	13,957	14,385	111
Joplin, MO	1,345	1,414	1,492	5.5	10,247	10,711	11,217	283
Kalamazoo, MI	2,760	2,936	3,140	6.9	12,931	13,714	14,425	106
Kankakee, IL	1,120	1,159	1,198	3.4	11,212	11,747	12,236	238
Kansas City, MO-KS	20,654	22,315	23,670	6.1	13,962	14,885	15,595	59
Kenosha, WI *	1,622	1,646	1,729	5.0	13,398	13,599	14,405	110
Killeen-Temple, TX	2,409	2,591	2,695	4.0	10,543	11,122	11,534	272

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in U.S. 1986
Knoxville, TN	6,368	6,736	7,208	7.0	10,807	11,434	12,193	240
Kokomo, IN	1,289	1,396	1,419	1.6	12,703	13,753	13,993	128
LaCrosse, WI	1,151	1,215	1,278	5.2	12,261	12,902	13,582	154
Lafayette, LA	2,736	2,869	2,730	−4.9	12,774	13,248	12,523	217
Lafayette, IN	1,381	1,470	1,565	6.5	11,101	11,806	12,583	212
Lake Charles, LA	1,875	1,906	1,915	.5	10,710	10,939	11,065	289
Lake County, IL *	8,161	8,916	9,731	9.1	17,773	19,028	20,265	8
Lakeland-Winter Haven, FL	3,826	4,122	4,338	5.2	10,691	11,189	11,500	273
Lancaster, PA	4,967	5,359	5,777	7.8	12,988	13,836	14,680	88
Lansing-East Lansing, MI	5,223	5,594	5,977	6.9	12,595	13,417	14,071	125
Laredo, TX	733	794	827	4.2	6,261	6,712	6,850	316
Las Cruces, NM	975	1,098	1,174	6.9	8,524	9,274	9,544	312
Las Vegas, NV	7,160	7,826	8,484	8.4	13,242	14,211	14,898	80
Lawrence, KS	744	799	856	7.2	10,615	11,197	11,789	260
Lawton, OK	1,168	1,239	1,271	2.6	9,592	10,267	10,528	302
Lewiston-Auburn, ME (NECMA)	1,108	1,157	1,253	8.3	11,000	11,466	12,395	224
Lexington-Fayette, KY	4,299	4,521	4,742	4.9	13,166	13,716	14,285	116
Lima, OH	1,794	1,902	2,025	6.5	11,701	12,347	13,139	177
Lincoln, NE	2,509	2,692	2,829	5.1	12,333	13,113	13,731	141
Little Rock-North Little Rock, AR	5,895	6,393	6,793	6.2	11,959	12,810	13,435	161
Longview-Marshall, TX	1,949	2,069	2,075	.3	11,499	12,208	12,184	242
Lorain-Elyria, OH *	3,081	3,280	3,296	.5	11,377	12,137	12,178	243
Los Angeles-Long Beach, CA *	120,917	130,561	140,933	7.9	15,118	16,058	16,988	34
Louisville, KY-IN	11,922	12,527	13,187	5.3	12,371	13,000	13,697	146
Lubbock, TX	2,585	2,721	2,769	1.8	11,566	12,218	12,316	228
Lynchburg, VA	1,553	1,627	1,726	6.1	10,895	11,295	11,970	248
Macon-Warner Robins, GA	3,048	3,277	3,509	7.1	10,972	11,716	12,438	218
Madison, WI	4,746	5,088	5,468	7.5	14,034	14,903	15,855	55
Manchester-Nashua, NH (NECMA)	4,648	5,180	5,667	9.4	15,716	16,903	18,031	24
Mansfield, OH	1,534	1,633	1,695	3.8	11,852	12,617	13,160	176
McAllen-Edinburg-Mission, TX	2,210	2,398	2,488	3.8	6,397	6,740	6,800	317
Medford, OR	1,485	1,565	1,663	6.2	10,899	11,308	11,880	256
Melbourne-Titusville-Palm Bay, FL	4,228	4,702	4,995	6.2	12,797	13,528	13,827	135
Memphis, TN-AR-MS	11,193	12,001	12,838	7.0	11,935	12,631	13,380	168
Merced, CA	1,651	1,782	1,954	9.7	10,801	11,269	11,950	250
Miami-Hialeah, FL *	22,687	24,408	26,300	7.7	13,115	13,992	14,863	81
Middlesex-Somerset-Hunterdon, NJ *	16,955	18,557	20,087	8.2	18,475	19,929	21,142	4
Midland, TX	1,713	1,923	1,842	−4.2	16,163	17,719	16,557	41
Milwaukee, WI *	19,907	20,901	22,068	5.6	14,449	15,149	15,994	52
Minneapolis-St. Paul, MN-WI	34,494	37,118	39,599	6.7	15,487	16,411	17,253	30
Mobile, AL	4,636	4,950	5,234	5.7	10,069	10,655	11,135	287
Modesto, CA	3,442	3,774	4,025	6.7	11,621	12,404	12,714	205
Monmouth-Ocean, NJ *	14,674	16,234	17,526	8.0	16,426	17,788	18,739	17
Monroe, LA	1,475	1,568	1,611	2.7	10,262	10,868	11,042	290
Montgomery, AL	3,177	3,436	3,661	6.6	10,945	11,635	12,245	235
Muncie, IN	1,361	1,416	1,495	5.6	11,006	11,590	12,372	226
Muskegon, MI	1,734	1,821	1,903	4.5	11,154	11,605	12,000	245
Naples, FL	1,788	2,032	2,235	10.0	16,043	17,348	18,402	21
Nashville, TN	11,092	12,200	13,261	8.7	12,392	13,392	14,248	121
Nassau-Suffolk, NY *	46,341	49,842	54,055	8.5	17,610	18,954	20,514	7
New Bedford-Fall River-Attleboro, MA (NECMA)	6,049	6,526	6,897	5.7	12,706	13,582	14,224	122
New Haven-Waterbury-Meriden, CT (NECMA)	11,692	12,550	13,504	7.6	15,192	16,231	17,337	29
New London-Norwich, CT (NECMA)	3,666	3,890	4,114	5.7	14,907	15,850	16,695	39
New Orleans, LA	16,428	16,975	17,131	.9	12,406	12,764	12,838	193
New York, NY *	133,874	142,613	153,960	8.0	15,868	16,833	18,170	22
Newark, NJ *	32,159	34,398	37,159	8.0	17,073	18,215	19,675	12
Niagara Falls, NY *	2,672	2,819	2,931	4.0	12,301	13,003	13,516	158
Norfolk-Virginia Beach-Newport News, VA	15,521	16,801	18,156	8.1	12,281	13,124	13,866	134
Oakland, CA *	31,596	34,221	36,090	5.5	16,815	17,917	18,662	18
Ocala, FL	1,506	1,702	1,855	9.0	9,691	10,328	10,848	296
Odessa, TX	1,691	1,822	1,644	−9.7	12,596	13,582	12,348	227
Oklahoma City, OK	12,814	13,242	13,267	.2	13,191	13,526	13,497	160
Olympia, WA	1,677	1,832	1,984	8.3	12,112	12,910	13,533	157
Omaha, NE-IA	8,006	8,518	8,929	4.8	13,198	13,940	14,535	98
Orange County, NY *	3,660	3,980	4,278	7.5	13,424	14,418	15,186	71
Orlando, FL	10,594	11,801	13,001	10.2	12,781	13,680	14,471	102
Owensboro, KY	1,019	1,054	1,086	3.1	11,617	12,001	12,416	221
Oxnard-Ventura, CA *	8,663	9,503	10,356	9.0	14,750	15,821	16,950	36
Panama City, FL	1,178	1,285	1,373	6.8	10,681	11,210	11,223	282
Parkersburg-Marietta, WV-OH	1,698	1,790	1,850	3.3	10,739	11,363	11,840	259
Pascagoula, MS	1,133	1,136	1,297	14.2	9,031	8,959	10,122	309
Pensacola, FL	3,398	3,633	3,902	7.4	10,538	11,068	11,577	269
Peoria, IL	4,510	4,627	4,740	2.4	12,739	13,347	13,925	132
Philadelphia, PA-NJ *	67,803	73,145	77,983	6.6	14,207	15,267	16,160	50
Phoenix, AZ	23,493	26,467	29,062	9.8	13,567	14,569	15,294	65
Pine Bluff, AR	848	901	947	5.2	9,380	9,982	10,529	301
Pittsburgh, PA *	28,518	29,694	30,998	4.4	13,136	13,880	14,602	92
Pittsfield, MA (NECMA)	1,907	2,025	2,173	7.3	13,444	14,303	15,376	62
Portland, ME (NECMA)	2,972	3,246	3,592	10.7	13,281	14,341	15,752	56
Portland, OR *	15,568	16,503	17,496	6.0	13,718	14,438	15,177	72
Portsmouth-Dover-Rochester. NH (NECMA)	4,188	4,747	5,206	9.7	14,020	15,586	16,488	42
Poughkeepsie, NY	3,809	4,077	4,392	7.7	15,115	16,036	17,104	32
Providence-Pawtucket-Woonsocket, RI (NECMA)	11,337	11,997	12,803	6.7	12,932	13,591	14,385	111
Provo-Orem, UT	1,839	1,969	2,051	4.2	7,762	8,202	8,528	314
Pueblo, CO	1,298	1,353	1,403	3.7	10,302	10,733	11,035	291
Racine, WI *	2,310	2,403	2,482	3.3	13,488	14,001	14,410	108
Raleigh-Durham, NC	8,231	9,294	10,149	9.2	13,493	14,723	15,599	58
Rapid City, SD	874	906	965	6.5	11,579	11,864	12,544	214
Reading, PA	4,547	4,792	5,036	5.1	14,295	15,046	15,689	57
Redding, CA	1,470	1,578	1,705	8.0	11,586	12,092	12,814	196
Reno, NV	3,386	3,651	3,923	7.5	15,837	16,608	17,469	27
Richland-Kennewick-Pasco, WA	1,828	1,891	1,979	4.6	12,330	12,797	13,232	173
Richmond-Petersburg, VA	11,349	12,277	13,275	8.1	14,327	15,335	16,385	46
Riverside-San Bernardino, CA *	23,025	25,589	27,473	7.4	12,682	13,461	13,729	142
Roanoke, VA	2,884	3,092	3,288	6.3	12,994	13,876	14,623	90
Rochester, MN	1,456	1,542	1,645	6.7	15,150	15,831	16,798	38
Rochester, NY	13,965	14,960	15,854	6.0	14,298	15,336	16,172	49
Rockford, IL	3,635	3,852	4,053	5.2	13,081	13,760	14,458	104
Sacramento, CA	16,469	18,206	19,828	8.9	13,475	14,494	15,354	63
Saginaw-Bay City-Midland, MI	5,030	5,349	5,555	3.8	12,233	13,215	13,763	138
St. Cloud, MN	1,794	1,911	2,042	6.8	10,507	11,074	11,664	265
St. Joseph, MO	1,002	1,053	1,108	5.2	11,636	12,290	12,905	188
St. Louis, MO-IL	34,266	36,497	38,658	5.9	14,257	15,067	15,857	54
Salem, OR	2,848	3,046	3,225	5.9	11,067	11,763	12,303	230
Salinas-Seaside-Monterey, CA	4,482	4,795	5,173	7.9	13,884	14,559	15,228	68
Salt Lake City-Ogden, UT	11,150	11,934	12,460	4.4	11,041	11,640	11,964	249
San Angelo, TX	1,175	1,250	1,282	2.6	12,126	12,803	13,065	180
San Antonio, TX	14,085	15,537	16,221	4.4	11,692	12,514	12,709	206
San Diego, CA	29,154	32,219	35,090	8.9	14,053	15,108	15,940	53
San Francisco, CA *	32,299	34,768	37,384	7.5	20,843	22,139	23,542	2
San Jose, CA *	25,384	27,133	29,344	8.1	18,421	19,417	20,935	5
Santa Barbara-Santa Maria-Lompoc, CA	5,228	5,691	6,104	7.2	16,168	17,182	17,986	25
Santa Cruz, CA *	3,069	3,307	3,584	8.4	14,884	15,536	16,403	45
Santa Fe, NM	1,357	1,502	1,613	7.4	13,536	14,553	15,190	70
Santa Rosa-Petaluma, CA *	5,042	5,543	5,860	5.7	15,462	16,589	17,055	33
Sarasota, FL	3,953	4,382	4,766	8.8	16,698	17,998	19,248	14
Savannah, GA	2,771	2,964	3,201	8.0	11,866	12,511	13,353	172
Scranton-Wilkes-Barre, PA	8,157	8,745	9,244	5.7	11,247	12,086	12,734	203
Seattle, WA *	26,602	28,715	31,114	8.4	15,716	16,650	17,768	26
Sharon, PA	1,372	1,409	1,443	2.4	10,892	11,365	11,680	264
Sheboygan, WI	1,333	1,383	1,465	5.9	12,974	13,463	14,274	119
Sherman-Denison, TX	1,166	1,243	1,295	4.2	12,231	12,835	13,177	175
Shreveport, LA	4,247	4,469	4,483	.3	11,866	12,324	12,298	231
Sioux City, IA-NE	1,377	1,437	1,493	3.9	11,714	12,274	12,880	191
Sioux Falls, SD	1,495	1,590	1,677	5.5	12,615	13,084	13,675	148
South Bend-Mishawaka, IN	3,017	3,151	3,377	7.2	12,540	13,047	13,986	129
Spokane, WA	4,204	4,399	4,655	5.8	11,873	12,333	13,041	182
Springfield, IL	2,531	2,679	2,853	6.5	13,329	14,068	14,966	77
Springfield, MO	2,554	2,733	2,915	6.6	11,773	12,352	12,935	186
Springfield, MA (NECMA)	7,542	8,016	8,633	7.7	12,909	13,695	14,724	87
State College, PA	1,193	1,264	1,362	7.8	10,527	11,063	11,889	255
Steubenville-Weirton, OH-WV	1,652	1,674	1,692	1.1	10,467	10,672	10,928	293
Stockton, CA	4,814	5,200	5,575	7.2	12,099	12,532	12,885	190
Syracuse, NY	8,334	8,773	9,269	5.7	12,906	13,517	14,275	117
Tacoma, WA *	6,332	6,797	7,264	6.9	12,221	12,925	13,620	152
Tallahassee, FL	2,102	2,286	2,524	10.4	10,023	10,678	11,578	268
Tampa-St. Petersburg-Clearwater, FL	23,511	25,714	27,833	8.2	12,927	13,747	14,539	97
Terre Haute, IN	1,442	1,507	1,575	4.6	10,654	11,163	11,745	261
Texarkana, TX-Texarkana, AR	1,295	1,376	1,428	3.8	10,952	11,541	11,915	253
Toledo, OH	7,960	8,423	8,892	5.6	13,047	13,796	14,547	94
Topeka, KS	2,222	2,354	2,455	4.3	13,962	14,740	15,269	67
Trenton, NJ *	5,258	5,725	6,195	8.2	16,759	18,039	19,309	13
Tucson, AZ	6,778	7,439	8,074	8.5	11,795	12,716	13,401	164
Tulsa, OK	9,650	10,132	10,242	1.1	13,247	13,918	13,963	131
Tuscaloosa, AL	1,398	1,516	1,634	7.8	10,156	10,874	11,568	270
Tyler, TX	1,929	2,066	2,129	3.0	13,198	13,728	13,997	127
Utica-Rome, NY	3,645	3,818	4,019	5.3	11,468	12,065	12,742	201
Vallejo-Fairfield-Napa, CA *	4,947	5,449	5,707	4.7	13,425	14,421	14,547	95
Vancouver, WA *	2,427	2,585	2,717	5.1	11,937	12,487	12,855	192
Victoria, TX	989	1,040	1,017	−2.2	13,231	13,811	13,384	167
Vineland-Millville-Bridgeton, NJ *	1,535	1,640	1,723	5.1	11,469	12,162	12,732	204
Visalia-Tulare-Porterville, CA	2,923	3,136	3,364	7.3	10,703	11,200	11,708	262
Waco,TX	2,113	2,261	2,326	2.9	11,567	12,209	12,401	222
Washington, DC-MD-VA	60,248	66,153	71,789	8.5	17,519	18,935	20,148	10
Waterloo-Cedar Falls, IA	1,856	1,851	1,861	.6	11,599	11,882	12,283	233
Wausau, WI	1,241	1,309	1,394	6.5	10,999	11,601	12,395	224
West Palm Beach-Boca Raton-Delray Beach, FL	12,249	13,772	15,064	9.4	17,662	19,014	19,938	11
Wheeling, WV-OH	1,902	1,936	2,033	5.0	10,444	10,820	11,584	267
Wichita, KS	6,458	6,806	7,216	6.0	14,005	14,616	15,354	63
Wichita Falls, TX	1,660	1,737	1,732	−.3	13,122	13,734	13,623	151
Williamsport, PA	1,272	1,342	1,424	6.1	10,857	11,535	12,237	237
Wilmington, DE-NJ-MD *	7,760	8,393	9,017	7.4	14,415	15,445	16,373	47
Wilmington, NC	1,209	1,335	1,461	9.4	10,959	11,891	12,796	199
Worcester-Fitchburg-Leominster, MA (NECMA)	9,053	9,775	10,580	8.2	13,942	14,946	16,005	51
Yakima, WA	2,004	2,056	2,251	9.5	11,083	11,274	12,285	232
York,PA	5,216	5,573	5,901	5.9	13,320	14,169	14,836	84
Youngstown-Warren, OH	6,079	6,307	6,444	2.2	11,765	12,280	12,634	209
Yuba City, CA	1,179	1,261	1,313	4.1	10,736	11,272	11,498	274

1. The personal income level shown for the United States differs from that in the national income and product accounts primarily because it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents who are employed abroad temporarily by private U.S. firms.

2. Percent change was calculated from unrounded data.

3. Per capta personal income was calculated using Bureau of the Census county population estimates available as of March 1988.

4. Only the name of the largest city in each Consolidated Metropolitan Statistical Area (CMSA) is shown. Complete titles designated by the Office of Management and Budget include additional city names.

5. Includes Metropolitan Statistical Areas, Primary Metropolitan Statistical Areas (PMSA's indicated by *), and New England County Metropolitan Areas (NECMA's). The Bridgeport-Stamford-Norwalk-Danbury, CT NECMA is presented as a PMSA (part of the New York CMSA).

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
United States [1]	**3,101,163**	**3,320,346**	**3,528,589**	**6.3**	**13,116**	**13,910**	**14,639**	.....
Metropolitan portion	**2,527,535**	**2,717,169**	**2,894,798**	**6.5**	**13,977**	**14,856**	**15,642**	.....
Nonmetropolitan portion	**573,628**	**603,177**	**633,791**	**5.1**	**10,316**	**10,811**	**11,323**	.....
Alabama	**40,349**	**43,225**	**45,854**	**6.1**	**10,107**	**10,747**	**11,315**	.....
Metropolitan portion	**27,416**	**29,524**	**31,357**	**6.2**	**10,770**	**11,481**	**12,072**	.....
Nonmetropolitan portion	**12,933**	**13,702**	**14,498**	**5.8**	**8,941**	**9,445**	**9,963**	.....
Autauga	323	354	370	4.4	9,502	10,183	10,375	24
Baldwin	873	950	1,014	6.7	10,025	10,568	10,985	16
Barbour	218	232	249	7.2	8,635	9,211	9,829	37
Bibb	133	143	152	6.8	8,312	8,846	9,507	44
Blount	322	356	376	5.7	8,746	9,409	9,651	40
Bullock	75	79	81	2.6	7,023	7,638	7,994	62
Butler	181	187	199	6.2	8,235	8,544	9,092	52
Calhoun	1,167	1,233	1,297	5.2	9,335	9,978	10,476	22
Chambers	354	371	393	5.8	8,839	9,369	9,875	35
Cherokee	161	172	171	−.4	8,453	8,992	8,881	56
Chilton	278	293	311	6.2	9,136	9,465	9,981	32
Choctaw	131	141	150	6.3	7,878	8,349	8,818	58
Clarke	246	261	274	5.0	8,690	9,423	9,955	33
Clay	120	121	130	7.5	9,079	9,237	9,942	34
Cleburne	109	113	117	4.2	8,369	8,757	9,116	50
Coffee	386	412	451	9.6	9,608	10,257	11,220	10
Colbert	518	546	559	2.5	9,484	9,974	10,268	26
Conecuh	130	138	144	4.0	8,464	9,040	9,280	46
Coosa	84	89	95	6.4	7,713	8,307	8,907	55
Covington	341	356	377	6.0	9,249	9,668	10,349	25
Crenshaw	126	119	134	12.3	9,304	8,869	9,986	31
Cullman	632	668	731	9.4	9,839	10,241	11,071	13
Dale	452	491	535	9.0	9,343	10,045	10,781	19
Dallas	439	462	482	4.3	8,170	8,696	9,139	49
De Kalb	504	527	576	9.3	9,340	9,818	10,691	20
Elmore	454	498	519	4.1	9,868	10,588	10,819	17
Escambia	333	351	365	4.0	9,116	9,613	10,028	29
Etowah	1,001	1,045	1,077	3.0	9,710	10,234	10,525	21
Fayette	171	176	182	3.4	8,974	9,335	9,620	42
Franklin	287	302	315	4.2	10,091	10,743	11,252	9
Geneva	226	230	245	6.7	9,433	9,595	10,243	27
Greene	72	75	79	5.4	6,526	6,974	7,458	65
Hale	97	103	107	4.5	6,400	6,909	7,257	66
Henry	145	142	150	5.7	9,742	9,564	10,138	28
Houston	817	874	914	4.6	10,233	10,995	11,390	8
Jackson	427	444	453	2.0	8,333	8,787	9,076	53
Jefferson	8,132	8,735	9,261	6.0	12,080	12,923	13,692	2
Lamar	150	160	164	2.8	9,263	9,741	10,009	30
Lauderdale	779	829	864	4.2	9,478	9,986	10,381	23
Lawrence	253	274	281	2.3	8,187	8,796	8,917	54
Lee	775	833	889	6.7	9,738	10,368	10,997	15
Limestone	474	534	558	4.6	9,863	10,565	10,782	18
Lowndes	89	95	100	5.5	7,129	7,390	7,827	63
Macon	178	191	199	4.0	6,856	7,276	7,578	64
Madison	2,646	2,936	3,201	9.0	12,008	12,881	13,698	1
Marengo	202	212	221	3.9	8,313	8,766	9,112	51
Marion	253	264	275	4.1	8,134	8,471	8,851	57
Marshall	690	739	790	6.9	9,890	10,446	11,050	14
Mobile	3,763	4,000	4,220	5.5	10,079	10,676	11,172	11
Monroe	194	204	212	4.2	8,715	9,062	9,466	45
Montgomery	2,401	2,583	2,773	7.4	11,413	12,103	12,872	3
Morgan	1,027	1,125	1,188	5.6	10,820	11,644	12,026	6
Perry	87	90	94	4.0	5,888	6,114	6,458	67
Pickens	164	170	181	6.3	7,552	7,942	8,461	59
Pike	236	253	270	6.8	8,740	9,211	9,737	39
Randolph	165	173	182	5.2	8,144	8,701	9,151	48
Russell	412	436	447	2.5	8,655	9,109	9,175	47
St. Clair	403	438	460	5.2	9,057	9,562	9,806	38
Shelby	852	953	1,023	7.4	11,417	12,224	12,598	4
Sumter	121	130	134	3.1	7,413	7,953	8,290	60
Talladega	652	685	728	6.2	8,555	9,012	9,509	43
Tallapoosa	373	398	430	8.2	9,728	10,278	11,090	12
Tuscaloosa	1,398	1,516	1,634	7.8	10,156	10,874	11,568	7
Walker	703	750	813	8.4	10,492	11,176	12,033	5
Washington	144	153	161	4.8	8,427	9,134	9,622	41
Wilcox	107	111	114	2.6	7,475	7,857	8,105	61
Winston	195	201	215	6.9	9,089	9,276	9,845	36
Alaska	**9,140**	**9,659**	**9,587**	**−.7**	**18,089**	**18,489**	**17,969**	.....
Metropolitan portion	**4,623**	**4,839**	**4,829**	**−.2**	**20,319**	**20,829**	**20,550**	.....
Nonmetropolitan portion	**4,517**	**4,820**	**4,759**	**−1.3**	**16,263**	**16,615**	**15,937**	.....
Census Areas								
Aleutian Islands	105	123	131	5.9	13,520	17,182	16,396	12
Anchorage Borough	4,623	4,839	4,829	−.2	20,319	20,829	20,550	5
Bethel	124	131	136	3.6	10,525	11,045	11,189	22
Bristol Bay Borough	25	29	31	6.6	21,346	23,911	26,133	1
Dillingham	65	77	79	2.0	12,546	14,584	14,419	13
Fairbanks North Star Borough	1,153	1,206	1,166	−3.3	18,101	18,239	17,240	10
Haines Borough	34	37	41	10.4	18,649	21,378	23,592	2
Juneau Borough	541	569	560	−1.6	21,739	22,837	22,453	3
Kenai Peninsula Borough	577	628	593	−5.6	15,333	15,228	13,742	17
Ketchikan Gateway Borough	222	232	241	3.7	17,231	18,974	19,626	7
Kodiak Island Borough	170	191	197	2.9	12,432	13,924	14,257	14
Matanuska-Susitna Borough	516	539	527	−2.1	17,798	14,904	13,509	18
Nome	93	99	101	2.1	12,816	13,667	13,747	16
North Slope Borough	123	120	104	−13.1	27,635	24,938	21,590	4
Northwest Artic Borough	63	68	69	1.7	12,115	12,568	12,613	19
Prince of Wales-Outer Ketchikan	64	68	72	5.0	14,038	14,152	14,224	15
Sitka Borough	120	125	129	3.4	15,365	16,345	16,903	11
Skagway-Yakutat-Angoon	50	57	64	12.6	14,218	16,701	18,153	9
Southeast Fairbanks	78	82	81	−.8	12,246	12,618	12,354	20
Valdez-Cordova	153	175	171	−2.7	16,541	20,345	19,805	6
Wade Hampton	34	38	41	8.1	7,269	8,094	8,564	23
Wrangell-Petersburg	97	116	117	1.0	14,802	18,492	18,738	8
Yukon-Koyukuk	111	109	108	−.2	12,755	12,102	11,861	21
Arizona	**36,800**	**40,941**	**44,728**	**9.3**	**12,101**	**12,983**	**13,638**	.....
Metropolitan portion	**30,271**	**33,906**	**37,136**	**9.5**	**13,126**	**14,118**	**14,839**	.....
Nonmetropolitan portion	**6,529**	**7,035**	**7,592**	**7.9**	**8,887**	**9,357**	**9,770**	.....
Apache	326	341	366	7.3	5,740	5,915	6,169	15
Cochise	845	904	960	6.3	9,072	9,667	9,947	9
Coconino	779	853	937	9.9	9,498	10,105	10,875	5
Gila	330	349	357	2.3	8,632	9,003	8,992	12
Graham	176	174	185	6.7	7,382	7,306	7,816	14
Greenlee	93	80	77	−3.0	9,157	8,804	9,054	11
La Paz	123	133	145	8.8	9,314	9,700	10,259	6
Maricopa	23,493	26,467	29,062	9.8	13,567	14,569	15,294	1
Mohave	631	716	776	8.4	9,248	10,007	10,242	7
Navajo	532	563	600	6.6	7,691	7,969	8,442	13
Pima	6,778	7,439	8,074	8.5	11,795	12,716	13,401	2
Pinal	830	866	939	8.4	8,656	8,834	9,168	10
Santa Cruz	203	216	234	8.8	9,187	9,629	10,165	8
Yavapai	855	954	1,034	8.5	10,712	11,431	11,746	3
Yuma	807	887	979	10.5	9,819	10,457	11,072	4
Arkansas	**23,309**	**24,846**	**26,194**	**5.4**	**9,933**	**10,530**	**11,042**	.....
Metropolitan portion	**10,080**	**10,870**	**11,538**	**6.2**	**11,029**	**11,775**	**12,362**	.....
Nonmetropolitan portion	**13,229**	**13,976**	**14,657**	**4.9**	**9,234**	**9,730**	**10,186**	.....
Arkansas	260	267	264	−1.0	10,920	11,358	11,462	11
Ashley	266	283	276	−2.3	10,018	10,593	10,544	25
Baxter	315	342	372	8.8	10,655	11,479	12,268	6
Benton	966	1,043	1,146	9.9	11,406	12,024	12,883	2
Boone	267	285	304	6.7	9,686	10,283	10,891	18
Bradley	121	127	132	3.9	9,003	9,494	9,999	39
Calhoun	44	46	48	3.4	7,224	7,495	7,799	68
Carroll	170	184	210	14.2	9,783	10,357	11,579	10
Chicot	120	126	121	−3.4	6,729	7,170	7,064	74
Clark	221	232	235	1.4	9,663	10,158	10,373	30
Clay	176	183	179	−1.8	8,782	9,268	9,257	51
Cleburne	168	178	197	10.2	8,988	9,319	10,181	34
Cleveland	72	76	85	10.9	8,905	9,422	10,214	32
Columbia	282	298	307	3.0	10,324	10,945	11,420	13
Conway	190	196	213	8.8	9,738	10,151	11,064	15
Craighead	635	682	712	4.3	10,073	10,805	11,228	14
Crawford	339	367	392	6.9	8,549	9,023	9,357	49
Crittenden	423	451	452	.1	8,457	8,985	8,966	57
Cross	185	188	187	−.7	8,992	9,163	9,161	53
Dallas	96	101	105	4.0	9,051	9,667	10,093	36
Desha	158	168	163	−2.9	8,035	8,633	8,424	63
Drew	155	164	163	−.8	8,660	9,046	9,066	55
Faulkner	522	577	631	9.5	10,502	11,229	11,932	7
Franklin	133	143	156	9.2	8,612	9,237	9,953	41
Fulton	70	76	82	8.0	6,786	7,387	7,973	67
Garland	817	878	932	6.1	11,022	11,763	12,377	5
Grant	134	143	149	4.1	10,171	10,757	10,984	16
Greene	282	291	298	2.4	9,042	9,222	9,401	47
Hempstead	204	216	237	9.9	8,651	9,270	10,304	31
Hot Spring	247	251	255	1.5	9,098	9,204	9,308	50
Howard	143	148	160	7.5	10,544	10,972	11,838	8
Independence	297	313	337	7.7	9,263	9,749	10,450	29
Izard	100	106	117	10.1	9,077	9,683	10,644	22
Jackson	195	199	195	−2.0	9,074	9,453	9,410	46
Jefferson	848	901	947	5.2	9,380	9,982	10,529	26
Johnson	155	164	181	9.9	8,443	8,923	9,746	44
Lafayette	99	100	106	6.8	9,745	10,061	10,874	19
Lawrence	165	177	175	−1.0	8,995	9,684	9,661	45
Lee	92	95	94	−.5	5,981	6,188	6,287	75
Lincoln	89	93	96	3.7	6,676	7,073	7,299	73
Little River	131	137	142	4.1	9,309	9,621	10,063	37
Logan	187	195	213	9.4	9,047	9,336	10,169	35
Lonoke	364	397	406	2.1	9,899	10,656	10,582	23
Madison	106	113	125	10.3	8970	9518	10491	28
Marion	98	107	116	8.1	7945	8628	9165	52

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Miller	390	411	425	3.5	9,952	10,598	10,918	17
Mississippi	516	528	532	.7	8,710	8,977	9,159	54
Monroe	101	112	101	−9.8	7,501	8,494	7,798	69
Montgomery	65	68	78	13.9	8,322	8,652	9,846	42
Nevada	97	103	108	5.1	8,892	9,429	10,014	38
Newton	55	58	63	7.6	6,761	7,172	7,637	70
Ouachita	310	325	337	3.7	9,429	9,711	9,973	40
Perry	60	64	69	7.8	7,689	8,194	8,788	60
Phillips	247	257	249	−3.0	7,312	7,632	7,527	71
Pike	88	93	99	6.1	8,658	9,162	9,814	43
Poinsett	235	231	234	1.1	9,028	8,870	8,969	56
Polk	147	158	174	10.4	8,438	9,128	10,182	33
Pope	393	431	472	9.4	9,438	10,130	10,855	20
Prairie	92	90	84	−6.8	9,157	8,994	8,317	64
Pulaski	4,426	4,786	5,093	6.4	12,613	13,530	14,292	1
Randolph	128	133	142	6.5	7,792	7,982	8,491	62
St. Francis	246	260	257	−1.2	7,839	8,297	8,163	66
Saline	583	634	663	4.6	10,497	11,171	11,432	12
Scott	87	93	109	16.6	8,843	9,162	10,549	24
Searcy	58	61	66	9.5	6,534	6,838	7,483	72
Sebastian	1,119	1,198	1,275	6.4	11,464	12,152	12,852	3
Sevier	135	141	151	7.1	9,426	9,846	10,678	21
Sharp	119	127	136	7.3	7,721	8,231	8,764	61
Stone	68	73	83	14.5	7,042	7,407	8,288	65
Union	564	599	617	3.0	11,460	12,157	12,590	4
Van Buren	112	122	134	10.0	7,626	8,194	8,924	58
Washington	1,065	1,149	1,254	9.1	10,238	10,876	11,682	9
White	443	471	498	5.8	8,454	9,000	9,373	48
Woodruff	94	94	93	−1.3	8,826	8,778	8,853	59
Yell	157	171	186	9.1	8,955	9,708	10,505	27
California	**389,183**	**422,825**	**455,301**	**7.7**	**15,096**	**16,041**	**16,875**	.....
Metropolitan portion	**376,684**	**409,522**	**441,054**	**7.7**	**15,261**	**16,232**	**17,082**	.....
Nonmetropolitan portion	**12,499**	**13,303**	**14,247**	**7.1**	**11,398**	**11,780**	**12,273**	.....
Alameda	18,867	20,299	21,418	5.5	16,024	16,988	17,720	8
Alpine	14	15	18	13.5	12,700	13,033	13,632	22
Amador	265	291	314	7.9	11,937	12,528	13,207	30
Butte	1,736	1,865	2,015	8.0	10,969	11,483	12,088	45
Calaveras	266	291	304	4.8	10,428	10,937	10,738	55
Colusa	182	209	202	−3.4	12,944	14,349	13,480	25
Contra Costa	12,729	13,922	14,672	5.4	18,143	19,467	20,233	5
Del Norte	185	193	205	6.1	10,028	10,358	10,653	56
El Dorado	1,268	1,424	1,547	8.6	12,794	13,710	14,292	21
Fresno	6,813	7,445	7,873	5.8	12,047	12,925	13,397	28
Glenn	259	277	283	2.2	11,440	12,050	12,233	44
Humboldt	1,289	1,377	1,483	7.7	11,597	12,305	12,988	33
Imperial	1,056	1,074	1,112	3.6	10,285	10,147	10,391	57
Inyo	226	234	244	4.3	12,374	12,832	13,412	27
Kern	5,723	6,220	6,636	6.7	12,345	12,970	13,429	26
Kings	903	927	948	2.3	10,925	10,915	11,041	52
Lake	524	562	608	8.3	11,517	11,779	12,391	43
Lassen	247	265	282	6.4	10,254	10,873	11,272	50
Los Angeles	120,917	130,561	140,933	7.9	15,118	16,058	16,988	11
Madera	728	765	858	12.2	9,947	10,220	11,018	53
Marin	5,576	6,068	6,551	8.0	24,785	26,986	29,055	1
Mariposa	143	158	172	8.7	11,153	11,881	12,521	41
Mendocino	839	897	963	7.3	11,709	12,253	12,877	35
Merced	1,651	1,782	1,954	9.7	10,801	11,269	11,950	46
Modoc	111	104	108	3.0	11,566	11,034	11,424	49
Mono	123	133	143	7.6	13,685	14,614	15,515	16
Monterey	4,482	4,795	5,173	7.9	13,884	14,559	15,228	18
Napa	1,568	1,706	1,787	4.8	15,365	16,515	17,066	9
Nevada	772	860	931	8.3	11,939	12,716	13,105	32
Orange	36,656	40,275	43,670	8.4	17,558	18,935	20,154	6
Placer	1,905	2,127	2,308	8.5	14,278	15,420	16,192	14
Plumas	217	232	248	6.9	11,683	12,112	12,690	39
Riverside	10,514	11,630	12,500	7.5	13,500	14,211	14,500	20
Sacramento	11,673	12,886	14,056	9.1	13,428	14,469	15,367	17
San Benito	357	387	420	8.6	12,320	12,728	13,229	29
San Bernardino	12,511	13,958	14,974	7.3	12,067	12,895	13,145	31
San Diego	29,154	32,219	35,090	8.9	14,053	15,108	15,940	15
San Francisco	14,197	15,324	16,540	7.9	19,852	20,984	22,084	3
San Joaquin	4,814	5,200	5,575	7.2	12,099	12,532	12,885	34
San Luis Obispo	2,298	2,453	2,673	9.0	12,791	13,041	13,589	24
San Mateo	12,526	13,376	14,293	6.9	20,551	21,740	23,296	2
Santa Barbara	5,228	5,691	6,104	7.3	16,168	17,182	17,986	7
Santa Clara	25,384	27,133	29,344	8.2	18,421	19,417	20,935	4
Santa Cruz	3,069	3,307	3,584	8.4	14,884	15,536	16,403	13
Shasta	1,470	1,578	1,705	8.1	11,586	12,092	12,814	36
Sierra	38	41	43	5.8	11,171	12,026	12,594	40
Siskiyou	460	476	508	6.9	10,955	11,152	11,918	47
Solano	3,379	3,744	3,919	4.7	12,682	13,633	13,630	23
Sonoma	5,042	5,543	5,860	5.7	15,462	16,589	17,055	10
Stanislaus	3,442	3,774	4,025	6.7	11,621	12,404	12,714	38
Sutter	684	737	759	2.9	12,001	12,670	12,777	37
Tehama	437	468	501	7.2	10,155	10,618	11,178	51
Trinity	127	137	148	7.9	9,633	10,172	10,924	54
Tulare	2,923	3,136	3,364	7.3	10,703	11,200	11,708	48
Tuolumne	433	480	529	10.1	11,216	11,844	12,493	42
Ventura	8,663	9,503	10,356	9.0	14,750	15,821	16,950	12
Yolo	1,624	1,769	1,918	8.4	13,485	14,301	15,217	19
Yuba	494	524	554	5.7	9,370	9,758	10,112	58
Colorado	**44,947**	**47,556**	**49,756**	**4.6**	**14,092**	**14,704**	**15,230**	.....
Metropolitan portion	**37,852**	**40,264**	**42,216**	**4.9**	**14,701**	**15,333**	**15,844**	.....
Nonmetropolitan portion	**7,095**	**7,292**	**7,539**	**3.4**	**11,544**	**11,992**	**12,518**	.....
Adams	3,303	3,466	3,523	1.6	12,125	12,562	12,656	31
Alamosa	129	126	133	5.6	10,243	10,106	10,591	51
Arapahoe	6,135	6,573	6,877	4.6	17,010	17,598	17,933	7
Archuleta	45	49	51	5.4	9,060	9,735	10,218	55
Baca	66	68	71	3.8	12,789	13,472	14,251	20
Bent	53	55	59	8.2	8,859	9,284	10,195	56
Boulder	3,282	3,477	3,693	6.2	15,638	16,351	17,228	10
Chaffee	145	150	152	1.5	11,301	11,555	11,820	42
Cheyenne	39	50	52	2.4	16,214	20,890	21,408	3
Clear Creek	105	109	108	−.5	13,945	14,547	14,752	19
Conejos	53	54	56	3.4	6,506	6,828	7,115	63
Costilla	37	36	35	−1.5	10,375	9,571	9,435	60
Crowley	26	26	31	21.2	8,293	8,178	9,796	57
Custer	20	22	24	8.1	10,793	11,531	12,628	32
Delta	235	232	237	2.4	9,816	9,770	10,272	54
Denver	8,301	8,619	8,985	4.3	16,275	16,862	17,792	9
Dolores	21	21	21	−2.1	12,003	12,896	12,683	29
Douglas	617	703	747	6.4	18,528	19,588	19,263	4
Eagle	269	284	295	3.6	16,904	17,566	17,944	6
Elbert	112	121	128	6.3	13,672	14,426	14,880	18
El Paso	4,579	5,063	5,386	6.4	12,992	13,789	14,159	21
Fremont	316	332	354	6.4	10,084	10,511	11,108	46
Garfield	341	343	347	1.2	12,683	12,508	12,799	26
Gilpin	33	35	34	−2.4	12,208	12,749	12,542	33
Grand	115	119	119	.4	13,176	13,337	13,562	23
Gunnison	103	109	115	5.4	9,863	10,653	11,294	45
Hinsdale	7	7	7	1.9	12,796	12,839	13,723	22
Huerfano	62	64	66	4.1	8,748	9,070	9,591	58
Jackson	19	19	21	8.7	10,939	11,319	12,424	35
Jefferson	6,797	7,254	7,608	4.9	16,536	17,317	17,799	8
Kiowa	43	42	42	1.3	21,418	20,953	22,556	2
Kit Carson	106	122	120	−1.8	13,453	15,763	15,727	13
Lake	68	69	62	−10.0	9,474	9,846	9,185	61
La Plata	345	367	388	5.7	11,206	11,678	12,342	36
Larimer	2,051	2,205	2,338	6.0	12,364	12,922	13,390	25
Las Animas	131	132	135	2.3	8,825	9,132	9,537	59
Lincoln	66	70	71	1.9	14,313	14,904	15,262	15
Logan	233	232	242	4.5	11,583	11,676	12,449	34
Mesa	1,055	1,054	1,065	1.1	11,047	11,585	11,967	39
Mineral	10	8	7	−3.2	12,125	9,660	10,648	50
Moffat	133	143	152	6.6	9,393	10,842	11,962	40
Montezuma	202	199	200	.6	10,441	10,262	10,355	53
Montrose	252	254	270	6.3	9,715	9,989	10,939	49
Morgan	250	238	249	4.4	10,594	10,239	11,079	47
Otero	228	231	247	7.2	10,187	10,443	11,295	44
Ouray	24	25	26	1.7	11,758	12,651	12,793	27
Park	76	84	89	6.1	11,377	12,331	12,677	30
Phillips	57	61	68	10.3	12,320	13,639	15,393	14
Pitkin	239	251	268	6.9	23,103	24,670	25,973	1
Prowers	160	172	181	4.9	11,169	12,136	12,761	28
Pueblo	1,298	1,353	1,403	3.7	10,302	10,733	11,035	48
Rio Blanco	96	88	89	.6	14,028	13,184	13,453	24
Rio Grande	125	121	133	9.6	10,981	10,586	11,354	43
Routt	216	213	215	.7	15,403	15,585	16,160	12
Saguache	38	35	36	2.0	9,356	8,554	8,643	62
San Juan	12	8	9	17.9	11,517	8,518	10,554	52
San Miguel	29	33	38	13.0	9,598	11,228	11,851	41
Sedgwick	42	45	46	1.4	13,197	14,365	15,216	16
Summit	178	195	202	3.5	17,043	18,062	18,198	5
Teller	124	137	141	3.2	11,788	12,398	12,121	38
Washington	82	91	89	−2.7	14,703	16,738	16,651	11
Weld	1,488	1,551	1,657	6.8	11,183	11,562	12,271	37
Yuma	125	143	145	1.3	12,537	14,386	14,894	17
Connecticut	**53,893**	**57,994**	**62,666**	**8.1**	**17,091**	**18,287**	**19,652**	.....
Metropolitan portion	**50,035**	**53,829**	**58,140**	**8.0**	**17,253**	**18,465**	**19,844**	.....
Nonmetropolitan portion	**3,858**	**4,165**	**4,526**	**8.7**	**15,237**	**16,254**	**17,476**	.....
Fairfield	17,296	18,644	20,116	7.9	21,181	22,728	24,501	1
Hartford	13,614	14,640	15,918	8.7	16,667	17,823	19,290	3
Litchfield	2,684	2,897	3,156	8.9	16,895	18,085	19,457	2
Middlesex	2,083	2,274	2,482	9.2	15,588	16,859	18,155	4
New Haven	11,692	12,551	13,504	7.6	15,192	16,231	17,337	5
New London	3,666	3,890	4,114	5.8	14,907	15,850	16,695	6
Tolland	1,685	1,831	2,005	9.5	14,332	15,273	16,497	7
Windham	1,174	1,268	1,370	8.1	12,445	13,199	14,155	8
Delaware	**8,391**	**9,053**	**9,788**	**8.1**	**13,666**	**14,553**	**15,469**	.....
Metropolitan portion	**6,161**	**6,662**	**7,178**	**7.8**	**15,100**	**16,154**	**17,180**	.....
Nonmetropolitan portion	**2,230**	**2,391**	**2,610**	**9.1**	**10,824**	**11,404**	**12,144**	.....
Kent	1,047	1,121	1,210	7.9	10,294	10,881	11,500	3

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
New Castle	6,161	6,662	7,178	7.8	15,100	16,154	17,180	1
Sussex	1,183	1,270	1,400	10.2	11,341	11,910	12,761	2
District Of Columbia	**10,392**	**11,201**	**11,926**	**6.5**	**16,657**	**17,970**	**19,049**	
Florida	**143,926**	**157,944**	**170,809**	**8.1**	**13,029**	**13,898**	**14,630**	
Metropolitan portion	**133,678**	**146,589**	**158,642**	**8.2**	**13,311**	**14,191**	**14,948**	
Nonmetropolitan portion	**10,248**	**11,355**	**12,167**	**7.2**	**10,213**	**10,970**	**11,451**	
Alachua	1,767	1,941	2,083	7.3	10,461	11,175	11,838	28
Baker	148	160	176	10.3	8,725	9,240	9,909	43
Bay	1,178	1,285	1,373	6.9	10,681	11,210	11,223	36
Bradford	176	190	201	5.6	7,523	7,967	8,443	61
Brevard	4,228	4,702	4,995	6.2	12,797	13,528	13,827	17
Broward	17,720	19,242	20,710	7.6	16,095	17,178	18,128	5
Calhoun	63	67	70	5.8	6,537	6,889	7,290	67
Charlotte	932	1,064	1,154	8.5	12,426	13,388	13,732	18
Citrus	707	821	875	6.7	9,694	10,582	10,919	37
Clay	1,012	1,141	1,236	8.3	12,311	13,033	13,526	20
Collier	1,788	2,032	2,235	10.0	16,043	17,348	18,402	4
Columbia	361	382	407	6.7	9,184	9,495	10,016	42
Dade	22,687	24,408	26,300	7.8	13,115	13,992	14,863	9
De Soto	178	192	203	5.3	8,463	8,993	9,213	52
Dixie	66	71	75	5.9	7,234	7,637	7,855	64
Duval	7,644	8,312	8,965	7.9	12,446	13,193	13,868	16
Escambia	2,716	2,897	3,102	7.1	10,493	11,019	11,466	34
Flagler	170	200	214	7.0	10,955	11,831	11,774	30
Franklin	63	72	78	7.8	7,558	8,744	9,236	51
Gadsden	317	337	367	8.9	7,251	7,599	8,127	62
Gilchrist	66	72	74	2.5	9,440	9,944	10,179	41
Glades	49	54	53	−.3	7,428	7,896	7,804	65
Gulf	100	104	111	6.7	8,736	8,833	9,439	48
Hamilton	76	79	80	2.1	8,194	8,413	8,669	58
Hardee	189	205	210	2.4	9,038	9,680	9,714	46
Hendry	257	284	286	.8	11,656	12,554	12,247	25
Hernando	664	772	834	8.0	9,761	10,322	10,727	39
Highlands	593	664	709	6.8	10,455	11,273	11,701	31
Hillsborough	8,629	9,469	10,211	7.8	11,815	12,546	13,161	21
Holmes	122	125	131	4.9	7,755	7,874	8,121	63
Indian River	1,064	1,194	1,287	7.8	14,174	15,362	15,895	7
Jackson	330	352	375	6.4	8,089	8,511	8,953	56
Jefferson	90	98	107	9.0	7,738	8,445	9,106	54
Lafayette	47	49	55	12.1	10,503	10,888	11,864	27
Lake	1,582	1,774	1,890	6.5	12,793	13,841	14,261	12
Lee	3,351	3,786	4,146	9.5	13,132	14,190	14,854	10
Leon	1,786	1,949	2,156	10.6	10,752	11,483	12,480	24
Levy	194	208	222	6.5	8,286	8,623	9,206	53
Liberty	39	41	44	6.1	8,719	9,190	9,669	47
Madison	119	125	134	6.9	7,731	8,088	8,556	60
Manatee	2,324	2,521	2,730	8.3	13,705	14,436	15,412	8
Marion	1,506	1,702	1,855	9.0	9,691	10,328	10,848	38
Martin	1,341	1,521	1,646	8.2	16,888	18,351	19,303	2
Monroe	824	923	1,016	10.1	11,758	12,989	14,021	14
Nassau	446	501	530	5.9	11,713	12,571	12,636	23
Okaloosa	1,376	1,503	1,642	9.2	10,605	11,128	11,620	32
Okeechobee	214	245	268	9.2	8,611	9,429	9,808	45
Orange	7,011	7,780	8,512	9.4	13,038	14,018	14,799	11
Osceola	874	1,035	1,137	9.9	12,413	13,485	13,674	19
Palm Beach	12,249	13,772	15,064	9.4	17,662	19,014	19,938	1
Pasco	2,443	2,691	2,899	7.7	10,628	11,343	11,805	29
Pinellas	11,775	12,783	13,889	8.7	14,896	15,902	17,039	6
Polk	3,826	4,122	4,338	5.2	10,691	11,189	11,500	33
Putnam	496	543	587	8.2	8,638	9,245	9,888	44
St. Johns	834	956	1,029	7.6	13,083	14,081	14,116	13
St. Lucie	1,168	1,273	1,354	6.4	10,439	10,994	11,246	35
Santa Rosa	681	736	800	8.7	10,720	11,266	12,028	26
Sarasota	3,953	4,382	4,766	8.8	16,698	17,998	19,248	3
Seminole	2,710	2,986	3,352	12.3	12,273	12,931	13,962	15
Sumter	234	258	277	7.4	8,379	8,885	9,427	49
Suwannee	215	222	240	8.2	8,564	8,721	9,299	50
Taylor	166	175	188	7.7	9,287	9,597	10,213	40
Union	69	73	79	8.7	6,427	6,838	7,461	66
Volusia	3,500	3,861	4,185	8.4	11,646	12,424	13,041	22
Wakulla	99	110	122	11.5	7,818	8,356	9,053	55
Walton	200	217	229	5.4	8,067	8,384	8,571	59
Washington	128	134	139	4.2	8,154	8,472	8,917	57
Georgia	**68,920**	**75,513**	**82,103**	**8.7**	**11,793**	**12,639**	**13,451**	
Metropolitan portion	**48,343**	**53,612**	**58,613**	**9.3**	**13,039**	**14,056**	**14,945**	
Nonmetropolitan portion	**20,577**	**21,901**	**23,490**	**7.3**	**9,630**	**10,136**	**10,765**	
Appling	156	159	179	12.6	9,540	9,759	10,991	64
Atkinson	58	59	66	11.6	9,178	9,182	10,083	99
Bacon	79	84	91	8.7	8,376	8,836	9,627	119
Baker	39	37	37	2.4	10,482	9,855	10,213	91
Baldwin	365	396	432	9.0	9,701	10,407	11,293	54
Banks	88	94	106	13.8	9,165	9,441	10,512	80
Barrow	259	285	316	10.7	10,802	11,313	12,002	29
Bartow	444	489	515	5.4	10,068	10,728	10,718	72
Ben Hill	151	161	170	5.7	8,842	9,311	9,822	111
Berrien	124	128	136	5.9	8,937	9,212	9,857	110
Bibb	1,748	1,873	1,989	6.2	11,207	11,989	12,713	19
Bleckley	101	107	112	4.9	9,559	10,066	10,561	77
Brantley	77	81	88	8.0	8,136	8,327	8,618	148
Brooks	110	117	121	3.5	7,190	7,785	8,069	156
Bryan	109	122	131	7.7	9,335	9,925	9,943	105
Bulloch	332	354	378	6.7	8,965	9,478	10,083	99
Burke	178	200	215	7.9	8,727	9,681	10,151	97
Butts	141	155	165	6.0	9,527	10,301	10,620	74
Calhoun	53	54	55	.9	9,544	9,655	9,866	109
Camden	176	195	215	10.5	10,162	10,871	11,089	62
Candler	63	69	75	8.6	8,155	8,940	9,813	112
Carroll	635	688	747	8.7	10,299	10,867	11,513	46
Catoosa	344	372	401	7.7	8,867	9,561	10,190	94
Charlton	72	77	83	8.3	9,460	10,216	10,886	66
Chatham	2,576	2,754	2,971	7.9	12,093	12,767	13,646	9
Chattahoochee	153	170	181	6.6	7,243	8,202	8,676	146
Chattooga	187	198	212	7.5	8,717	9,280	9,941	106
Cherokee	762	900	1,002	11.4	12,024	13,207	13,574	12
Clarke	830	904	997	10.3	10,763	11,640	12,646	20
Clay	25	24	25	2.8	7,365	7,334	7,766	158
Clayton	1,935	2,125	2,269	6.8	11,782	12,708	13,309	16
Clinch	55	59	60	2.4	8,095	8,656	8,784	144
Cobb	5,619	6,399	7,169	12.0	15,826	17,151	18,267	1
Coffee	249	260	287	10.5	8,764	8,983	9,644	118
Colquitt	353	375	395	5.3	9,750	10,353	10,825	69
Columbia	587	694	768	10.8	11,831	13,151	13,627	10
Cook	115	118	127	7.8	8,379	8,524	9,167	136
Coweta	489	541	578	6.9	11,365	12,027	12,461	24
Crawford	75	79	84	7.0	10,176	10,499	11,220	57
Crisp	170	180	192	6.5	8,429	8,876	9,475	124
Dade	93	100	104	3.9	7,898	8,606	8,824	142
Dawson	65	73	84	15.8	11,394	11,634	12,640	21
Decatur	240	244	266	9.2	9,055	9,137	9,990	104
De Kalb	7,651	8,434	9,332	10.6	15,178	16,249	17,629	4
Dodge	153	157	162	3.0	8,967	9,222	9,553	122
Dooly	100	102	101	−1.6	9,519	9,886	9,881	107
Dougherty	1,042	1,101	1,152	4.7	10,065	10,640	11,217	58
Douglas	711	795	868	9.3	11,232	12,165	12,730	18
Early	124	121	128	6.3	9,427	9,326	9,991	103
Echols	17	18	18	−2.1	7,554	7,717	7,545	159
Effingham	195	211	230	9.2	9,511	9,906	10,449	85
Elbert	185	197	207	5.1	9,743	10,396	10,905	65
Emanuel	169	181	192	6.3	7,960	8,465	8,922	138
Evans	83	88	99	12.8	9,725	10,664	12,094	27
Fannin	125	137	145	5.8	8,316	8,869	9,266	132
Fayette	632	756	841	11.3	16,032	17,487	17,771	3
Floyd	863	920	986	7.1	10,975	11,722	12,531	22
Forsyth	427	492	548	11.3	12,835	14,012	14,574	7
Franklin	157	167	187	12.2	10,173	10,581	11,717	37
Fulton	9,446	10,390	11,241	8.2	15,461	16,837	18,052	2
Gilmer	113	127	141	11.1	9,475	10,580	11,417	48
Glascock	24	25	27	6.6	9,950	10,332	11,163	59
Glynn	676	746	800	7.2	11,626	12,624	13,376	14
Gordon	315	337	376	11.6	9,797	10,219	11,415	49
Grady	176	189	201	6.5	8,487	8,946	9,415	126
Greene	106	110	121	10.1	8,859	9,227	10,229	90
Gwinnett	3,384	4,004	4,510	12.6	14,779	15,840	16,292	5
Habersham	259	278	310	11.4	9,730	10,356	11,346	52
Hall	964	1,067	1,167	9.4	11,761	12,641	13,394	13
Hancock	70	74	79	6.9	7,400	7,745	8,377	151
Haralson	205	214	228	6.3	10,473	10,749	11,227	56
Harris	176	188	201	6.9	10,685	10,981	11,515	45
Hart	195	206	222	7.7	10,188	10,629	11,360	51
Heard	62	67	73	8.0	9,211	9,724	10,060	102
Henry	520	598	643	7.7	12,343	13,490	13,764	8
Houston	924	996	1,068	7.2	10,946	11,680	12,282	25
Irwin	90	89	89	.7	10,194	10,081	10,196	93
Jackson	277	299	331	10.7	10,285	10,788	11,729	36
Jasper	83	88	98	10.9	10,757	11,642	12,799	17
Jeff Davis	118	124	129	4.2	10,022	10,450	10,857	68
Jefferson	158	168	177	5.2	8,530	8,938	9,399	127
Jenkins	73	76	80	5.8	8,708	8,992	9,576	120
Johnson	75	78	81	3.8	8,631	8,780	9,233	134
Jones	181	197	219	11.0	10,005	10,568	11,645	40
Lamar	123	132	144	8.6	10,100	10,727	11,579	42
Lanier	46	49	50	.9	8,138	8,490	8,673	147
Laurens	370	388	409	5.2	9,708	10,146	10,670	73
Lee	143	150	160	6.8	10,446	10,612	11,052	63
Liberty	361	384	433	12.7	8,523	9,121	10,234	89
Lincoln	61	65	68	4.2	8,984	9,300	9,567	121
Long	40	40	45	12.2	7,251	7,079	8,083	155
Lowndes	701	749	777	3.7	9,672	10,268	10,537	78
Lumpkin	121	130	145	11.7	10,301	10,820	11,753	34
McDuffie	176	189	197	4.2	9,117	9,511	9,729	115
McIntosh	64	75	79	5.8	8,021	9,280	9,654	117
Macon	120	122	131	7.4	8,570	8,560	9,254	133
Madison	173	184	204	10.9	9,183	9,550	10,453	84
Marion	47	49	54	10.8	8,818	8,842	9,878	108
Meriwether	180	193	202	4.9	8,688	9,277	9,760	113
Miller	63	61	64	5.4	9,086	8,945	9,313	130

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Mitchell	173	174	190	8.9	8,024	8,087	8,778	145
Monroe	161	171	186	8.9	10,713	10,989	11,749	35
Montgomery	63	66	69	5.2	8,956	9,270	9,744	114
Morgan	131	139	150	8.0	10,748	11,232	12,055	28
Murray	193	209	230	9.9	9,093	9,598	10,250	88
Muscogee	1,887	2,013	2,161	7.4	10,643	11,239	11,944	31
Newton	405	445	479	7.6	10,657	11,330	11,882	32
Oconee	163	178	198	11.7	11,435	12,034	13,344	15
Oglethorpe	83	88	97	10.4	8,861	9,267	10,117	98
Paulding	300	342	376	9.9	10,223	11,157	11,569	43
Peach	195	212	234	10.5	10,089	10,787	11,711	38
Pickens	133	145	159	9.2	10,209	10,941	11,702	39
Pierce	103	107	109	2.3	8,260	8,381	8,417	150
Pike	89	95	101	6.8	10,186	10,498	11,379	50
Polk	310	335	351	4.7	9,358	9,967	10,350	86
Pulaski	86	88	92	4.7	9,599	9,937	10,459	83
Putnam	109	120	128	6.9	9,695	10,251	10,595	75
Quitman	19	20	21	7.3	8,428	8,698	9,364	128
Rabun	93	102	111	8.1	8,612	9,363	10,061	101
Randolph	73	74	76	3.6	7,911	8,018	8,371	153
Richmond	2,052	2,239	2,439	8.9	10,880	11,672	12,520	23
Rockdale	549	631	692	9.8	12,884	14,274	14,677	6
Schley	34	35	38	8.9	9,923	10,518	11,134	61
Screven	124	131	134	2.4	8,698	8,999	8,900	139
Seminole	87	86	91	6.4	9,831	9,647	10,175	95
Spalding	518	567	596	5.0	10,233	10,948	11,236	55
Stephens	206	221	236	6.8	9,303	9,873	10,477	82
Stewart	46	45	48	6.6	7,983	7,969	8,614	149
Sumter	293	308	328	6.7	9,716	10,187	10,869	67
Talbot	54	58	60	3.6	8,333	8,733	8,997	137
Taliaferro	22	23	24	7.3	10,874	11,117	11,862	33
Tattnall	157	163	182	11.3	8,889	9,058	10,161	96
Taylor	71	73	77	4.9	8,800	9,160	9,533	123
Telfair	94	97	103	6.6	8,402	8,636	9,276	131
Terrell	90	89	94	6.2	7,638	7,583	8,137	154
Thomas	393	412	443	7.5	10,259	10,805	11,642	41
Tift	343	368	387	5.2	10,224	10,804	11,303	53
Toombs	223	239	259	8.6	9,529	10,021	10,769	70
Towns	51	56	59	6.4	8,333	9,079	9,474	125
Treutlen	46	49	50	2.5	7,568	8,082	8,372	152
Troup	546	592	625	5.7	10,341	10,984	11,531	44
Turner	86	85	89	4.2	8,854	9,031	9,326	129
Twiggs	80	83	89	7.9	8,308	8,126	8,877	141
Union	79	87	96	10.7	7,607	8,244	8,892	140
Upson	249	260	274	5.5	9,407	9,869	10,281	87
Walker	522	557	596	7.0	9,332	9,916	10,576	76
Walton	334	362	387	7.0	10,352	11,025	11,460	47
Ware	365	383	399	4.1	9,888	10,306	10,766	71
Warren	51	54	55	2.2	7,886	8,587	8,819	143
Washington	185	193	203	4.9	9,663	9,976	10,499	81
Wayne	199	213	225	5.4	9,078	9,715	10,206	92
Webster	26	24	26	6.8	11,564	11,333	11,986	30
Wheeler	40	41	41	.1	7,949	7,906	7,911	157
White	116	125	141	12.1	10,603	11,019	12,163	26
Whitfield	796	860	943	9.7	11,760	12,547	13,621	11
Wilcox	67	68	70	2.5	8,870	9,019	9,204	135
Wilkes	111	113	123	9.2	9,863	10,087	11,156	60
Wilkinson	104	109	114	4.7	9,714	10,078	10,537	78
Worth	168	171	180	5.2	9,197	9,304	9,660	116
Hawaii	**13,628**	**14,555**	**15,572**	**7.0**	**13,154**	**13,842**	**14,658**	.....
Metropolitan portion	**11,064**	**11,792**	**12,561**	**6.5**	**13,805**	**14,538**	**15,380**	.....
Nonmetropolitan portion	**2,564**	**2,763**	**3,010**	**8.9**	**10,930**	**11,494**	**12,255**	.....
Hawaii	1,117	1,187	1,289	8.6	10,438	10,835	11,533	4
Honolulu	11,064	11,792	12,561	6.5	13,805	14,538	15,380	1
Kauai	472	513	561	9.3	10,691	11,304	12,107	3
Maui and Kalawao	975	1,063	1,160	9.1	11,688	12,440	13,254	2
Idaho	**10,357**	**10,926**	**11,245**	**2.9**	**10,360**	**10,882**	**11,216**	.....
Metropolitan portion	**2,486**	**2,674**	**2,767**	**3.5**	**13,154**	**13,897**	**14,275**	.....
Nonmetropolitan portion	**7,871**	**8,252**	**8,478**	**2.7**	**9,708**	**10,167**	**10,483**	.....
Ada	2,486	2,674	2,767	3.5	13,154	13,897	14,275	4
Adams	37	37	37	−.6	10,745	11,050	11,338	9
Bannock	689	733	746	1.9	10,069	10,648	10,960	13
Bear Lake	60	61	61	.4	8,633	9,026	9,193	37
Benewah	87	90	90	−.7	10,009	10,490	10,314	20
Bingham	330	356	358	.5	8,582	9,297	9,347	35
Blaine	163	180	190	5.8	12,826	13,674	14,378	3
Boise	29	31	31	.1	9,517	9,972	9,958	25
Bonner	243	253	260	2.7	9,496	9,760	10,046	23
Bonneville	780	843	863	2.3	11,233	12,007	12,212	8
Boundary	65	67	70	4.3	8,254	8,693	9,139	39
Butte	31	33	34	3.6	9,296	10,170	10,786	15
Camas	9	9	11	14.7	13,039	13,677	15,639	2
Canyon	808	846	869	2.7	9,155	9,475	9,638	32
Caribou	101	95	82	−13.6	11,726	11,262	10,226	22
Cassia	197	199	203	2.1	9,495	9,646	10,027	24
Clark	13	13	14	7.9	16,665	17,309	19,291	1
Clearwater	96	95	102	7.5	9,356	9,542	10,877	14
Custer	49	47	47	−.0	9,374	8,980	9,252	36
Elmore	201	211	218	3.4	8,929	9,471	9,917	26
Franklin	68	71	77	8.4	7,059	7,468	8,093	43
Fremont (incl. Ylwstn. Natl. Pk.)	98	104	102	−2.3	9,115	9,940	9,732	31
Gem	118	124	124	.2	10,025	10,652	10,720	17
Gooding	116	123	130	5.3	9,310	10,156	10,760	16
Idaho	129	135	141	4.3	8,885	9,459	9,912	28
Jefferson	124	138	144	4.5	7,642	8,476	8,775	41
Jerome	129	136	152	11.3	8,274	8,895	9,916	27
Kootenai	681	726	749	3.3	10,388	10,864	11,100	12
Latah	289	304	323	6.2	9,476	9,792	10,548	19
Lemhi	67	68	70	2.4	8,533	9,189	9,793	29
Lewis	46	46	49	6.6	11,793	11,917	12,841	6
Lincoln	31	34	36	8.1	8,918	9,630	10,587	18
Madison	162	174	172	−1.0	7,395	7,890	7,796	44
Minidoka	169	175	187	6.5	7,959	8,334	8,944	40
Nez Perce	393	401	416	3.8	11,817	12,073	12,600	7
Oneida	31	32	36	12.8	9,201	9,045	10,265	21
Owyhee	64	65	71	9.5	7,351	7,601	8,326	42
Payette	143	148	150	1.2	8,804	9,151	9,157	38
Power	88	88	94	6.8	12,711	12,620	13,557	5
Shoshone	174	175	155	−11.5	10,146	10,326	9,462	34
Teton	31	32	32	.8	9,651	9,961	9,786	30
Twin Falls	579	601	628	4.5	10,290	10,727	11,256	10
Valley	72	75	77	3.0	10,616	10,772	11,183	11
Washington	80	78	79	.7	9,583	9,331	9,604	33
Illinois	**161,426**	**169,997**	**179,411**	**5.5**	**14,007**	**14,734**	**15,530**	.....
Metropolitan portion	**137,531**	**145,315**	**153,836**	**5.9**	**14,534**	**15,317**	**16,158**	.....
Nonmetropolitan portion	**23,895**	**24,682**	**25,575**	**3.6**	**11,589**	**12,037**	**12,583**	.....
Adams	828	853	883	3.5	11,776	12,311	12,971	48
Alexander	101	104	108	3.7	8,473	8,859	9,476	98
Bond	173	178	186	4.6	10,811	11,163	11,648	80
Boone	378	401	415	3.3	13,130	13,777	14,125	22
Brown	61	64	68	5.9	11,143	12,076	13,212	44
Bureau	502	510	525	2.9	13,218	13,536	14,147	20
Calhoun	57	58	60	3.8	9,912	10,253	10,764	91
Carroll	218	229	244	6.6	12,022	12,785	13,801	28
Cass	163	171	174	1.6	11,245	11,982	12,372	64
Champaign	2,044	2,170	2,287	5.4	11,979	12,728	13,366	39
Christian	477	493	499	1.1	13,189	13,781	14,066	24
Clark	177	183	189	3.3	10,602	11,031	11,466	82
Clay	155	165	170	2.9	10,059	10,910	11,430	83
Clinton	394	405	431	6.6	11,636	12,019	12,818	50
Coles	557	592	607	2.6	10,630	11,310	11,671	79
Cook	78,268	82,129	86,971	5.9	14,772	15,511	16,416	4
Crawford	264	274	279	2.0	12,685	13,249	13,629	33
Cumberland	106	110	112	1.7	9,705	10,130	10,321	95
De Kalb	902	934	987	5.7	12,307	12,678	13,322	40
De Witt	244	265	238	−10.2	13,626	14,883	13,677	31
Douglas	233	244	245	.5	11,937	12,513	12,563	55
Du Page	12,471	13,472	14,572	8.2	17,742	18,811	20,024	2
Edgar	246	260	259	−.2	11,539	12,321	12,460	59
Edwards	91	94	99	5.2	11,157	11,507	12,113	72
Effingham	367	386	401	3.9	11,657	12,173	12,626	53
Fayette	208	214	221	3.5	9,387	9,728	10,150	96
Ford	189	207	208	.7	12,635	13,926	14,093	23
Franklin	465	483	508	5.1	10,862	11,292	11,910	76
Fulton	432	435	439	1.1	10,585	11,064	11,516	81
Gallatin	80	82	84	1.8	10,506	10,892	11,254	87
Greene	160	162	168	3.3	9,973	10,192	10,643	92
Grundy	431	471	488	3.6	13,927	15,075	15,366	5
Hamilton	88	87	90	3.1	9,602	9,531	9,990	97
Hancock	265	266	282	5.8	11,210	11,418	12,257	68
Hardin	44	46	47	2.4	8,208	8,605	8,829	99
Henderson	96	95	100	5.3	10,635	10,613	11,422	84
Henry	652	661	680	3.0	11,605	11,914	12,444	61
Iroquois	401	409	420	2.6	12,359	12,711	13,157	46
Jackson	587	597	636	6.6	9,556	9,758	10,506	94
Jasper	116	126	133	5.5	10,231	11,205	11,827	77
Jefferson	441	454	507	11.6	11,603	11,835	13,289	41
Jersey	211	220	227	3.2	10,435	10,888	11,225	88
Jo Daviess	283	284	300	5.7	12,188	12,221	12,982	47
Johnson	81	85	88	3.5	7,903	7,740	8,053	102
Kane	4,154	4,490	4,688	4.4	14,156	15,016	15,329	6
Kankakee	1,120	1,159	1,198	3.5	11,212	11,747	12,236	69
Kendall	529	546	557	2.1	14,293	14,746	15,007	9
Knox	680	685	716	4.5	11,616	11,955	12,713	51
Lake	8,161	8,916	9,731	9.1	17,773	19,028	20,265	1
La Salle	1,385	1,426	1,454	1.9	12,663	13,120	13,442	36
Lawrence	222	222	219	−1.4	12,232	12,360	12,517	57
Lee	444	470	490	4.2	12,909	13,694	14,139	21
Livingston	522	541	554	2.5	12,794	13,317	13,798	29
Logan	395	414	420	1.6	12,659	13,073	13,456	35
McDonough	350	358	376	4.9	9,666	10,102	10,809	90
McHenry	2,314	2,500	2,707	8.3	14,867	15,760	16,673	3
McLean	1,602	1,704	1,793	5.2	13,052	13,839	14,609	14

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Macon	1,580	1,662	1,702	2.4	12,281	12,958	13,434	37
Macoupin	557	584	603	3.3	11,329	11,896	12,292	65
Madison	3,163	3,351	3,467	3.5	12,791	13,463	13,855	27
Marion	481	498	520	4.3	10,878	11,359	11,953	73
Marshall	176	182	185	1.6	12,771	13,496	14,029	25
Mason	204	215	217	.9	11,247	12,058	12,441	63
Massac	146	153	158	3.8	9,828	10,277	10,643	92
Menard	154	157	160	1.8	13,276	13,483	13,708	30
Mercer	221	221	225	1.8	11,582	11,793	12,282	66
Monroe	289	305	320	5.2	13,967	14,581	15,106	7
Montgomery	355	366	380	3.7	11,089	11,453	11,924	75
Morgan	466	495	521	5.2	12,617	13,249	13,992	26
Moultrie	176	182	180	−1.0	12,108	12,578	12,459	60
Ogle	559	580	641	10.5	12,206	12,654	14,158	19
Peoria	2,494	2,541	2,619	3.1	12,990	13,547	14,280	18
Perry	273	274	289	5.7	12,350	12,383	13,162	45
Piatt	223	236	238	.8	13,644	14,526	14,769	12
Pike	198	192	202	5.4	10,659	10,524	11,256	86
Pope	34	37	37	2.6	7,844	8,404	8,564	100
Pulaski	70	72	71	−1.9	8,099	8,382	8,360	101
Putnam	84	86	87	.4	13,705	14,427	14,789	11
Randolph	382	400	415	3.9	10,799	11,296	11,784	78
Richland	236	215	216	.5	12,903	11,939	12,277	67
Rock Island	2,045	2,102	2,122	1.0	12,379	12,909	13,288	42
St. Clair	3,097	3,270	3,410	4.3	11,595	12,199	12,647	52
Saline	332	347	358	3.1	11,589	12,160	12,602	54
Sangamon	2,376	2,522	2,693	6.8	13,333	14,106	15,048	8
Schuyler	80	81	88	9.2	9,954	10,260	11,382	85
Scott	67	73	76	3.3	11,177	12,074	12,563	55
Shelby	265	276	281	1.8	11,207	11,699	11,932	74
Stark	89	103	102	−.6	12,862	14,891	14,986	10
Stephenson	659	666	715	7.3	13,297	13,437	14,476	16
Tazewell	1,602	1,658	1,680	1.3	12,407	13,108	13,472	34
Union	179	187	196	4.7	9,952	10,372	10,847	89
Vermilion	1,068	1,109	1,141	2.9	11,515	12,044	12,495	58
Wabash	172	182	184	1.2	12,186	12,975	13,242	43
Warren	255	261	275	5.3	12,081	12,501	13,388	38
Washington	188	212	224	5.7	12,367	13,888	14,717	13
Wayne	217	214	220	2.4	11,699	11,670	12,131	71
White	213	221	222	.6	11,773	12,262	12,444	61
Whiteside	761	767	808	5.3	11,929	12,089	12,867	49
Will	4,330	4,628	4,837	4.5	13,081	13,853	14,293	17
Williamson	651	680	709	4.3	11,269	11,719	12,235	70
Winnebago	3,257	3,451	3,638	5.4	13,075	13,757	14,497	15
Woodford	415	428	441	3.0	12,574	13,124	13,663	32
Indiana	**65,015**	**68,391**	**72,283**	**5.7**	**11,837**	**12,434**	**13,134**	.....
Metropolitan portion	**45,691**	**48,398**	**51,122**	**5.6**	**12,251**	**12,953**	**13,657**	.....
Nonmetropolitan portion	**19,324**	**19,993**	**21,160**	**5.8**	**10,961**	**11,333**	**12,023**	.....
Adams	315	327	365	11.6	10,512	10,840	12,041	49
Allen	3,703	4,009	4,369	9.0	12,805	13,743	14,796	4
Bartholomew	849	857	885	3.3	13,147	13,247	13,721	15
Benton	122	131	124	−5.7	12,280	13,299	12,609	32
Blackford	166	174	181	3.9	10,906	11,577	12,041	49
Boone	544	591	627	6.1	14,373	15,460	16,311	2
Brown	130	133	140	5.3	10,507	10,582	10,967	75
Carroll	234	242	265	9.3	12,132	12,674	13,848	12
Cass	459	477	493	3.3	11,478	11,920	12,431	34
Clark	974	1,014	1,062	4.7	10,877	11,393	11,959	54
Clay	262	273	283	3.7	10,601	11,048	11,485	64
Clinton	372	376	400	6.4	11,850	12,049	12,852	27
Crawford	86	87	92	5.4	8,523	8,474	8,920	91
Daviess	278	284	310	9.3	9,643	9,817	10,787	79
Dearborn	401	429	459	7.0	11,004	11,754	12,348	39
Decatur	269	269	284	5.4	11,319	11,385	12,052	47
De Kalb	366	388	419	7.9	10,983	11,609	12,397	36
Delaware	1,361	1,416	1,495	5.6	11,006	11,590	12,372	38
Dubois	460	483	528	9.5	12,994	13,505	14,676	5
Elkhart	1,770	1,859	2,012	8.2	12,373	12,797	13,740	14
Fayette	291	298	325	9.1	10,398	10,774	11,834	56
Floyd	730	768	808	5.2	11,652	12,239	12,831	28
Fountain	203	207	202	−2.3	10,864	11,064	10,883	77
Franklin	203	204	218	7.0	9,989	10,017	10,838	78
Fulton	204	210	221	5.4	10,819	11,100	11,797	59
Gibson	396	408	434	6.5	11,654	12,055	12,948	26
Grant	879	943	957	1.4	11,277	12,205	12,419	35
Greene	306	312	339	8.4	10,038	10,268	11,140	74
Hamilton	1,439	1,616	1,718	6.4	16,251	17,774	18,247	1
Hancock	553	599	628	4.8	12,460	13,480	13,975	10
Harrison	280	292	309	5.8	9,888	10,175	10,609	81
Hendricks	903	989	1,019	3.0	12,450	13,511	13,680	17
Henry	553	568	593	4.3	10,927	11,213	11,820	57
Howard	1,074	1,163	1,182	1.6	12,595	13,626	13,871	11
Huntington	395	419	453	8.1	11,272	11,805	12,738	29
Jackson	414	419	447	6.7	11,118	11,263	12,033	51
Jasper	288	303	317	4.8	10,815	11,411	12,079	45
Jay	230	230	243	5.4	10,376	10,449	11,146	73
Jefferson	277	281	307	9.3	9,104	9,516	10,479	83
Jennings	217	220	228	3.6	9,561	9,618	9,971	85
Johnson	1,002	1,116	1,150	3.0	12,367	13,619	13,818	13
Knox	465	468	488	4.2	11,002	11,118	11,785	60
Kosciusko	748	792	867	9.5	12,091	12,562	13,640	18
Lagrange	262	282	301	7.0	9,673	10,201	10,775	80
Lake	5,764	5,942	5,990	.8	11,470	11,958	12,182	43
La Porte	1,269	1,323	1,385	4.7	11,877	12,424	13,059	23
Lawrence	452	474	496	4.6	10,694	11,137	11,691	61
Madison	1,594	1,672	1,732	3.6	11,908	12,525	13,053	24
Marion	10,229	10,868	11,695	7.6	13,174	13,922	14,900	3
Marshall	450	468	500	7.0	11,060	11,325	12,114	44
Martin	100	100	109	9.6	9,072	9,015	9,907	87
Miami	416	430	457	6.3	10,960	11,306	12,048	48
Monroe	1,021	1,074	1,165	8.5	10,072	10,580	11,454	65
Montgomery	424	440	470	6.9	11,946	12,326	13,322	22
Morgan	599	620	648	4.5	11,166	11,390	12,244	41
Newton	156	159	165	3.7	10,955	11,322	11,875	55
Noble	378	392	423	7.9	10,426	10,626	11,382	67
Ohio	52	53	56	5.1	9,815	9,768	10,485	82
Orange	179	185	195	5.4	9,491	9,601	10,083	84
Owen	146	153	162	5.5	8,921	9,250	9,614	90
Parke	168	172	181	4.8	10,311	10,739	11,355	69
Perry	199	204	208	2.1	10,395	10,613	10,958	76
Pike	152	156	167	6.9	11,314	11,807	12,621	31
Porter	1,500	1,593	1,654	3.8	12,083	12,960	13,437	19
Posey	315	330	346	4.9	11,942	12,566	13,407	21
Pulaski	145	150	160	6.8	10,794	11,154	12,064	46
Putnam	325	339	367	8.2	10,892	11,345	12,246	40
Randolph	295	308	318	3.1	10,316	10,908	11,343	70
Ripley	265	277	294	6.4	10,587	10,950	11,590	62
Rush	203	208	216	3.9	10,773	10,980	11,494	63
St. Joseph	3,017	3,151	3,377	7.2	12,540	13,047	13,986	9
Scott	189	191	198	3.3	9,225	9,347	9,681	88
Shelby	469	495	514	3.9	11,767	12,517	13,027	25
Spencer	207	210	227	8.4	10,187	10,320	11,208	72
Starke	188	193	207	7.2	8,858	9,108	9,642	89
Steuben	301	322	363	12.6	11,935	12,494	13,701	16
Sullivan	226	230	248	7.6	10,888	11,129	12,013	52
Switzerland	57	56	63	11.5	7,768	7,777	8,614	92
Tippecanoe	1,381	1,470	1,565	6.5	11,101	11,806	12,583	33
Tipton	215	233	237	1.6	13,275	14,428	14,637	6
Union	73	75	80	6.6	10,638	10,702	11,425	66
Vanderburgh	2,173	2,279	2,385	4.7	12,935	13,553	14,230	7
Vermillion	185	191	198	3.8	10,355	10,750	11,231	71
Vigo	1,181	1,233	1,292	4.8	10,665	11,188	11,804	58
Wabash	391	411	435	6.0	11,088	11,711	12,379	37
Warren	95	100	97	−3.4	10,804	11,654	11,357	68
Warrick	571	604	638	5.7	12,835	13,401	14,055	8
Washington	207	211	224	5.9	9,317	9,474	9,956	86
Wayne	811	841	881	4.8	10,992	11,512	12,203	42
Wells	292	302	327	8.4	11,992	12,393	13,413	20
White	257	267	279	4.6	10,911	11,389	11,968	53
Whitley	298	312	342	9.7	11,282	11,727	12,697	30
Iowa	**34,763**	**36,163**	**38,114**	**5.4**	**11,969**	**12,550**	**13,370**	.....
Metropolitan portion	**15,733**	**16,392**	**17,080**	**4.2**	**12,773**	**13,347**	**13,983**	.....
Nonmetropolitan portion	**19,030**	**19,770**	**21,033**	**6.4**	**11,377**	**11,958**	**12,910**	.....
Adair	94	96	109	12.8	10,151	10,701	12,344	71
Adams	56	59	67	14.7	10,007	10,708	12,415	69
Allamakee	150	147	166	12.8	9,717	9,621	10,968	93
Appanoose	145	150	160	6.7	9,805	10,294	11,201	91
Audubon	86	91	99	8.7	10,211	11,157	12,526	63
Benton	268	273	294	8.0	11,582	11,875	12,976	47
Black Hawk	1,578	1,567	1,569	.1	11,661	11,920	12,296	72
Boone	308	323	340	5.0	11,868	12,526	13,235	40
Bremer	279	284	292	2.8	11,262	11,671	12,215	74
Buchanan	232	231	246	6.5	10,131	10,284	11,227	90
Buena Vista	240	265	281	6.1	11,435	12,829	13,749	26
Butler	192	195	204	4.3	11,054	11,442	12,166	77
Calhoun	153	162	173	6.7	11,767	12,823	14,110	18
Carroll	281	294	311	5.6	12,233	12,891	13,808	24
Cass	198	206	218	5.9	11,626	12,463	13,596	33
Cedar	228	226	242	7.1	12,106	12,046	13,067	46
Cerro Gordo	598	618	650	5.3	12,314	12,580	13,308	36
Cherokee	170	178	190	6.9	10,679	11,411	12,478	66
Chickasaw	169	170	184	8.3	10,979	11,261	12,413	70
Clarke	85	91	98	7.5	9,707	10,499	11,353	88
Clay	209	224	237	5.6	10,830	12,004	12,952	49
Clayton	212	203	226	11.8	10,004	9,649	10,964	94
Clinton	639	643	672	4.5	11,544	11,761	12,531	61
Crawford	196	199	219	10.3	10,128	10,440	11,736	83
Dallas	365	381	407	6.7	12,242	12,730	13,657	31
Davis	87	92	97	5.8	9,521	10,262	10,913	96
Decatur	75	82	87	6.6	8,099	9,036	9,813	99
Delaware	196	192	222	15.3	10,149	10,021	11,637	85
Des Moines	554	571	590	3.3	12,262	12,745	13,238	39
Dickinson	194	193	208	7.7	12,470	12,534	13,677	30
Dubuque	1,024	1,052	1,083	3.0	11,119	11,448	11,894	80

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Emmet	140	150	156	4.1	11,022	12,088	13,122	44
Fayette	254	251	272	8.4	10,202	10,363	11,559	86
Floyd	214	215	226	5.3	11,128	11,273	12,172	76
Franklin	145	150	167	11.3	11,401	11,919	13,619	32
Fremont	109	132	139	5.2	11,865	14,643	15,625	3
Greene	142	149	162	8.8	12,062	13,011	14,554	9
Grundy	177	187	198	5.8	12,940	13,741	14,965	5
Guthrie	126	134	144	7.8	10,845	11,685	12,674	57
Hamilton	226	246	267	8.8	12,951	14,247	15,704	1
Hancock	166	178	188	6.2	12,068	12,966	14,130	17
Hardin	262	280	299	6.9	12,094	13,153	14,428	11
Harrison	169	187	187	-.0	10,470	11,694	11,820	82
Henry	218	236	254	7.9	11,788	12,721	13,700	29
Howard	126	122	137	12.7	11,320	11,217	12,948	50
Humboldt	139	144	154	7.0	11,516	12,115	13,306	37
Ida	104	108	118	9.0	11,695	12,138	13,219	42
Iowa	189	188	199	5.5	12,430	12,409	13,268	38
Jackson	230	229	242	5.5	10,238	10,272	10,936	95
Jasper	467	486	512	5.3	12,985	13,578	14,272	15
Jefferson	175	182	198	8.6	10,571	11,019	11,995	79
Johnson	1,116	1,173	1,265	7.9	13,080	13,724	14,834	6
Jones	204	203	222	9.2	10,013	10,068	11,119	92
Keokuk	147	151	167	10.4	11,648	12,067	13,532	35
Kossuth	247	259	281	8.5	11,534	12,343	13,821	23
Lee	492	506	518	2.3	11,659	12,163	12,518	64
Linn	2,180	2,305	2,417	4.9	12,906	13,633	14,319	13
Louisa	142	144	153	6.0	11,655	11,970	12,719	54
Lucas	111	114	122	6.4	10,820	11,473	12,467	67
Lyon	143	148	158	6.6	11,148	11,743	12,645	58
Madison	137	146	156	6.5	11,069	11,776	12,531	61
Mahaska	246	260	277	6.9	10,874	11,565	12,451	68
Marion	371	388	414	6.9	12,377	13,036	13,970	21
Marshall	520	537	555	3.5	12,508	13,097	13,708	27
Mills	154	171	182	6.7	11,425	12,675	13,579	34
Mitchell	136	137	153	12.2	11,481	11,584	13,220	41
Monona	127	136	149	9.8	11,231	12,388	13,972	20
Monroe	92	95	100	5.3	10,387	10,861	11,675	84
Montgomery	155	164	175	6.3	11,658	12,643	13,887	22
Muscatine	551	568	593	4.4	13,221	13,732	14,369	12
O'Brien	203	216	233	7.8	12,132	13,202	14,599	8
Osceola	85	86	97	11.9	10,185	10,716	12,221	73
Page	194	210	224	6.9	10,530	11,566	12,677	56
Palo Alto	134	153	161	4.9	10,892	12,690	13,703	28
Plymouth	264	280	301	7.6	10,839	11,658	12,606	60
Pocahontas	125	152	155	1.8	11,310	13,727	14,266	16
Polk	4,469	4,693	4,938	5.2	14,337	14,946	15,639	2
Pottawattamie	1,010	1,078	1,109	2.8	11,442	12,237	12,609	59
Poweshiek	229	235	257	9.1	12,155	12,466	13,772	25
Ringgold	54	60	67	12.3	9,021	10,416	12,136	78
Sac	154	162	180	11.3	11,505	12,242	14,011	19
Scott	2,115	2,189	2,246	2.6	13,241	13,797	14,313	14
Shelby	167	176	183	3.6	10,976	11,929	12,680	55
Sioux	312	325	344	5.7	10,078	10,564	11,278	89
Story	827	877	922	5.1	11,303	12,012	12,720	52
Tama	222	229	240	4.6	11,403	11,971	12,720	52
Taylor	77	88	92	4.6	9,402	11,024	11,855	81
Union	149	155	165	6.3	10,927	11,663	12,484	65
Van Buren	76	82	85	3.7	9,026	9,838	10,354	98
Wapello	429	435	435	.1	10,871	11,175	11,451	87
Warren	407	431	457	6.1	11,440	12,056	12,779	51
Washington	268	270	287	6.3	13,266	13,459	14,509	10
Wayne	80	84	91	7.9	10,235	11,050	12,201	75
Webster	507	529	553	4.6	11,453	12,168	12,953	48
Winnebago	168	170	186	9.5	12,957	13,188	14,646	7
Winneshiek	216	211	239	13.0	9,673	9,521	10,832	97
Woodbury	1,191	1,241	1,297	4.5	11,881	12,454	13,149	43
Worth	105	106	116	8.9	11,643	11,821	13,120	45
Wright	221	221	235	6.1	13,771	14,083	15,397	4
Kansas	**31,789**	**33,865**	**35,646**	**5.3**	**13,017**	**13,823**	**14,486**	.....
Metropolitan portion	**17,526**	**18,828**	**19,975**	**6.1**	**14,128**	**14,957**	**15,618**	.....
Nonmetropolitan portion	**14,263**	**15,037**	**15,671**	**4.2**	**11,869**	**12,625**	**13,261**	.....
Allen	166	174	180	3.8	10,282	10,950	11,511	101
Anderson	92	96	105	9.0	10,524	11,412	12,829	73
Atchison	189	197	206	4.6	10,450	10,953	11,521	100
Barber	101	98	106	8.0	14,227	14,011	15,308	25
Barton	450	464	455	-2.0	13,568	14,042	13,861	47
Bourbon	194	206	209	1.5	12,225	13,140	13,431	56
Brown	121	141	148	5.2	10,358	12,270	13,046	65
Butler	609	650	684	5.3	12,916	13,662	14,250	43
Chase	37	38	44	14.2	11,286	12,019	13,869	46
Chautauqua	50	51	53	3.1	10,036	10,716	11,354	103
Cherokee	219	234	239	2.1	9,791	10,480	10,767	104
Cheyenne	43	52	59	12.9	11,743	14,314	16,237	16
Clark	40	41	41	1.4	14,856	15,205	15,738	17
Clay	114	116	125	7.6	11,818	12,375	13,456	55
Cloud	144	148	153	3.4	11,827	12,395	13,045	66
Coffey	141	121	116	-4.5	14,241	12,991	13,002	68
Comanche	33	34	37	10.6	12,645	13,244	14,634	34
Cowley	431	451	469	4.0	11,521	12,130	12,681	78
Crawford	421	441	463	4.9	11,011	11,656	12,302	87
Decatur	79	80	85	6.4	17,076	17,913	19,640	3
Dickinson	232	246	252	2.4	11,623	12,413	12,757	74
Doniphan	86	100	105	5.0	9,443	11,008	11,535	99
Douglas	744	799	856	7.2	10,615	11,197	11,789	97
Edwards	62	66	73	10.0	15,048	16,370	18,369	6
Elk	41	41	46	12.3	11,251	11,239	12,964	69
Ellis	336	348	351	.7	12,045	12,472	12,641	80
Ellsworth	79	79	83	4.6	12,248	12,513	13,211	58
Finney	355	386	400	3.5	12,249	12,963	13,205	60
Ford	362	383	398	4.0	13,897	14,653	15,161	29
Franklin	253	262	282	7.4	11,314	11,801	12,833	72
Geary	289	304	324	6.5	9,505	9,769	10,392	105
Gove	41	48	52	8.8	11,099	13,237	14,725	32
Graham	47	51	53	3.4	11,476	12,490	13,206	59
Grant	92	100	100	.4	13,564	14,657	14,578	36
Gray	68	77	82	6.2	12,715	14,465	15,338	24
Greeley	30	37	31	-14.9	16,172	20,835	17,715	8
Greenwood	102	101	107	5.9	11,682	11,935	13,102	63
Hamilton	33	39	41	3.5	13,368	15,710	16,351	12
Harper	106	103	116	13.1	13,526	13,349	15,496	20
Harvey	370	385	407	5.8	11,967	12,471	13,203	61
Haskell	65	65	70	8.2	16,976	16,815	18,024	7
Hodgeman	26	30	31	3.8	11,365	13,052	13,511	53
Jackson	128	134	141	5.0	10,990	11,455	11,993	93
Jefferson	177	187	196	4.7	11,103	11,774	12,283	88
Jewell	54	58	64	10.4	10,954	12,093	13,505	54
Johnson	5,354	5,955	6,394	7.4	18,029	19,433	20,091	2
Kearny	51	64	60	-6.3	13,386	16,854	15,420	22
Kingman	102	107	116	8.7	11,217	11,898	13,037	67
Kiowa	55	57	62	10.2	13,614	14,341	16,270	15
Labette	279	298	315	5.7	10,790	11,625	12,390	85
Lane	32	36	46	26.3	12,839	14,631	18,579	5
Leavenworth	636	689	744	7.9	10,902	11,621	12,265	89
Lincoln	50	50	53	4.6	12,940	13,323	14,240	44
Linn	88	93	101	8.6	10,541	11,301	12,357	86
Logan	49	49	46	-5.5	14,386	14,783	14,260	42
Lyon	415	423	446	5.3	11,009	11,741	12,700	77
McPherson	354	378	398	5.2	12,752	13,665	14,407	41
Marion	142	158	164	4.1	10,594	11,875	12,550	84
Marshall	145	161	169	5.1	11,371	12,718	13,227	57
Meade	70	70	71	.5	14,912	15,055	15,484	21
Miami	257	279	285	2.2	11,538	12,350	12,598	81
Mitchell	89	90	100	10.8	11,103	11,569	13,068	64
Montgomery	453	471	488	3.7	10,737	11,345	11,850	95
Morris	70	72	75	3.5	10,943	11,421	11,861	94
Morton	54	55	54	-1.5	15,435	15,677	15,420	22
Nemaha	123	133	143	7.7	11,071	12,080	13,124	62
Neosho	224	225	226	.4	11,470	11,633	12,034	92
Ness	74	77	76	-.7	15,861	16,772	17,069	10
Norton	84	84	89	6.6	12,737	12,989	14,121	45
Osage	172	181	188	4.2	10,746	11,592	12,091	91
Osborne	69	70	70	-.3	12,106	12,770	12,895	71
Ottawa	70	72	79	10.1	11,879	12,459	13,634	51
Pawnee	107	109	124	14.4	13,159	13,697	16,291	14
Phillips	95	95	101	6.3	13,045	13,344	14,536	39
Pottawatomie	175	187	197	5.1	11,100	11,916	12,586	82
Pratt	146	158	164	3.5	13,386	14,442	15,104	30
Rawlins	47	56	56	-1.1	12,012	14,589	14,620	35
Reno	795	847	888	4.8	12,251	13,001	13,587	52
Republic	82	92	98	6.3	11,229	12,719	13,762	48
Rice	145	155	163	4.9	12,474	13,691	14,554	37
Riley	655	682	725	6.3	10,054	10,616	11,430	102
Rooks	81	84	88	4.7	11,600	12,202	12,957	70
Rush	59	59	61	3.6	13,428	13,698	14,554	37
Russell	132	135	134	-1.3	14,570	15,255	15,530	19
Saline	669	694	724	4.3	13,278	13,861	14,482	40
Scott	75	78	87	11.6	12,678	13,394	14,903	31
Sedgwick	5,479	5,771	6,125	6.1	14,304	14,904	15,659	18
Seward	252	274	277	1.1	13,910	14,660	14,654	33
Shawnee	2,222	2,354	2,455	4.3	13,962	14,740	15,269	26
Sheridan	43	47	42	-9.7	12,410	13,781	12,738	76
Sherman	101	109	109	.1	13,514	14,826	15,227	27
Smith	65	70	75	7.6	11,628	12,548	13,744	49
Stafford	87	93	100	7.7	14,967	16,209	17,682	9
Stanton	35	39	41	5.1	14,483	16,412	16,967	11
Stevens	84	100	100	.1	17,334	20,745	20,440	1
Sumner	318	334	350	4.8	12,635	13,250	13,713	50
Thomas	122	140	131	-6.8	13,808	15,948	15,182	28
Trego	51	54	52	-4.1	11,828	12,809	12,664	79
Wabaunsee	77	82	86	4.3	11,194	12,113	12,744	75
Wallace	27	30	32	4.1	13,327	15,318	16,309	13
Washington	81	91	95	4.3	10,172	11,628	12,553	83
Wichita	42	58	54	-7.3	14,717	20,347	18,593	4
Wilson	123	130	139	6.8	10,402	11,107	11,828	96
Woodson	47	47	52	11.1	10,189	10,544	12,173	90
Wyandotte	1,854	1,946	2,025	4.1	10,747	11,199	11,630	98

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Kentucky	**38,732**	**40,343**	**42,260**	**4.8**	**10,411**	**10,820**	**11,335**	.....
Metropolitan portion	**20,584**	**21,655**	**22,760**	**5.1**	**12,173**	**12,777**	**13,429**	.....
Nonmetropolitan portion	**18,148**	**18,688**	**19,500**	**4.4**	**8,943**	**9,189**	**9,590**	.....
Adair	128	135	143	6.3	7,999	8,462	9,065	74
Allen	137	143	146	1.5	9,486	9,805	9,964	49
Anderson	142	150	154	2.9	10,696	11,114	11,181	29
Ballard	90	90	92	3.2	10,809	10,852	11,368	26
Barren	320	324	343	5.8	9,182	9,474	10,174	46
Bath	78	78	78	−.3	7,681	7,664	7,687	95
Bell	265	271	279	3.1	7,658	7,896	8,237	90
Boone	583	629	666	5.9	11,659	12,272	12,828	10
Bourbon	224	230	227	−1.3	11,606	11,918	11,586	24
Boyd	593	613	619	1.0	10,938	11,428	11,629	23
Boyle	257	275	285	3.7	10,242	10,855	11,177	30
Bracken	63	61	64	3.4	8,256	8,100	8,394	83
Breathitt	135	136	140	3.3	8,174	8,217	8,398	82
Breckinridge	152	152	159	5.1	9,047	8,973	9,391	66
Bullitt	411	439	453	3.3	9,202	9,589	9,765	57
Butler	83	84	93	10.7	7,277	7,454	8,344	85
Caldwell	130	135	141	5.1	9,705	10,077	10,638	37
Calloway	296	312	337	8.1	9,961	10,782	11,730	21
Campbell	908	966	1,023	5.9	11,044	11,811	12,525	11
Carlisle	54	54	57	5.7	10,433	10,590	11,291	27
Carroll	90	93	98	5.9	9,330	9,588	10,210	45
Carter	183	185	188	1.7	7,161	7,169	7,390	100
Casey	101	99	102	2.8	6,666	6,602	6,826	111
Christian	598	625	679	8.8	9,239	9,743	10,740	36
Clark	336	346	359	3.7	11,540	11,922	12,350	14
Clay	168	166	172	4.0	7,104	7,017	7,302	104
Clinton	61	62	65	5.4	6,194	6,317	6,618	113
Crittenden	80	77	84	7.8	8,791	8,621	9,472	62
Cumberland	51	51	55	7.3	6,829	6,835	7,313	103
Daviess	1,019	1,054	1,086	3.1	11,617	12,001	12,416	13
Edmonson	65	62	67	7.9	5,717	5,482	6,188	115
Elliott	38	39	40	5.1	5,700	5,725	6,104	117
Estill	112	115	119	3.1	7,467	7,675	7,929	94
Fayette	2,844	3,023	3,222	6.6	13,563	14,254	15,134	2
Fleming	94	98	104	5.9	7,596	7,870	8,353	84
Floyd	417	433	450	4.0	8,232	8,510	8,817	79
Franklin	517	542	577	6.5	11,774	12,351	13,122	8
Fulton	93	95	99	4.6	11,275	11,740	12,420	12
Gallatin	45	46	48	4.0	9,124	9,388	9,731	58
Garrard	111	113	116	3.1	9,649	9,715	9,886	55
Grant	128	137	141	2.7	9,202	9,719	9,952	50
Graves	359	360	383	6.3	10,894	10,931	11,641	22
Grayson	172	172	182	5.4	7,881	8,014	8,411	81
Green	101	96	97	1.4	9,138	8,819	9,055	75
Greenup	387	401	412	2.9	10,064	10,484	10,854	34
Hancock	89	90	90	1.3	10,977	11,128	11,187	28
Hardin	831	885	947	7.0	9,060	9,585	10,096	47
Harlan	345	341	344	.9	8,164	8,057	8,208	92
Harrison	153	162	165	1.9	9,819	10,355	10,483	39
Hart	128	124	125	.8	8,045	7,558	7,942	93
Henderson	526	541	561	3.8	12,436	12,725	13,254	6
Henry	128	129	131	2.2	9,584	9,635	9,882	56
Hickman	57	56	60	6.4	9,813	9,768	10,606	38
Hopkins	575	593	623	5.0	12,378	12,709	13,368	5
Jackson	72	73	75	2.9	5,849	5,866	5,997	118
Jefferson	8,896	9,351	9,858	5.4	12,983	13,678	14,482	3
Jessamine	288	309	324	5.0	10,206	10,791	11,091	32
Johnson	225	230	239	3.7	8,711	8,956	9,244	68
Kenton	1,552	1,668	1,773	6.3	11,399	12,178	12,885	9
Knott	123	127	132	4.1	6,759	6,900	7,170	106
Knox	210	215	223	3.8	7,046	7,104	7,444	98
Larue	114	116	121	4.1	9,279	9,360	9,910	54
Laurel	360	375	399	6.3	8,752	8,981	9,406	65
Lawrence	110	112	119	6.5	7,461	7,613	8,278	87
Lee	48	50	53	5.6	6,133	6,310	6,663	112
Leslie	97	97	99	1.9	6,283	6,328	6,480	114
Letcher	217	222	224	1.0	7,139	7,354	7,462	97
Lewis	100	101	105	4.5	6,996	7,048	7,427	99
Lincoln	149	154	160	3.6	7,778	8,036	8,270	89
Livingston	91	93	97	4.6	9,964	10,203	10,798	35
Logan	241	247	256	3.7	9,494	9,576	9,951	51
Lyon	55	56	59	4.1	8,644	8,750	9,202	70
McCracken	754	786	835	6.3	12,349	12,918	13,843	4
McCreary	82	84	87	3.0	5,064	5,120	5,303	120
McLean	105	105	109	3.4	10,564	10,574	10,959	33
Madison	494	517	545	5.4	9,096	9,486	9,937	52
Magoffin	95	96	100	4.3	6,745	6,749	7,021	109
Marion	147	151	159	5.3	8,312	8,446	8,969	76
Marshall	269	289	296	2.4	10,482	11,183	11,452	25
Martin	131	140	131	−6.2	9,182	9,799	9,157	72
Mason	169	172	175	1.8	9,812	9,996	10,263	43
Meade	195	202	211	4.2	8,562	8,727	9,178	71
Menifee	29	30	29	−2.9	5,508	5,637	5,436	119
Mercer	209	219	225	2.9	10,988	11,488	11,748	19
Metcalfe	69	67	70	3.8	6,949	6,843	7,206	105
Monroe	101	102	108	6.1	8,124	8,348	8,912	78
Montgomery	184	191	196	3.0	9,006	9,282	9,511	61
Morgan	84	82	85	2.8	6,914	6,832	7,058	107
Muhlenberg	317	320	329	3.1	9,935	9,995	10,336	41
Nelson	275	293	309	5.4	9,536	9,981	10,438	40
Nicholas	62	64	65	.2	8,595	8,978	8,964	77
Ohio	204	200	205	2.1	9,322	9,277	9,580	59
Oldham	365	385	405	5.1	12,438	12,931	13,198	7
Owen	74	75	78	3.4	8,003	8,032	8,334	86
Owsley	33	33	34	3.2	5,873	5,992	6,127	116
Pendleton	98	102	103	1.0	9,082	9,342	9,443	63
Perry	324	335	349	4.2	9,358	9,613	9,991	48
Pike	763	781	800	2.4	9,233	9,413	9,572	60
Powell	84	89	91	2.3	7,093	7,398	7,473	96
Pulaski	428	444	461	3.9	8,849	9,131	9,430	64
Robertson	16	16	16	−.7	7,099	7,212	7,342	102
Rockcastle	99	104	109	4.8	6,838	7,125	7,390	100
Rowan	146	151	157	4.0	7,552	7,859	8,222	91
Russell	111	116	123	6.1	7,375	7,685	8,274	88
Scott	255	266	270	1.5	11,770	12,113	12,144	17
Shelby	265	278	292	5.0	11,095	11,601	12,145	16
Simpson	149	153	165	8.1	10,159	10,109	11,103	31
Spencer	55	56	58	3.1	9,155	9,135	9,280	67
Taylor	198	203	216	6.3	8,998	9,242	9,935	53
Todd	97	94	99	5.9	8,807	8,662	9,109	73
Trigg	103	106	115	8.1	10,738	10,967	11,811	18
Trimble	53	54	57	4.8	8,537	8,763	9,243	69
Union	199	203	215	5.9	11,219	11,444	12,246	15
Warren	778	829	866	4.5	9,441	10,099	10,317	42
Washington	96	98	104	6.6	9,297	9,520	10,215	44
Wayne	114	116	121	4.9	6,476	6,540	6,834	110
Webster	165	164	172	4.4	11,090	11,057	11,748	19
Whitley	292	301	314	4.4	8,290	8,468	8,777	80
Wolfe	48	48	49	.9	6,862	6,823	7,030	108
Woodford	352	348	341	−2.1	18,977	18,608	17,910	1
Louisiana	**48,798**	**50,544**	**50,376**	**−.3**	**10,935**	**11,267**	**11,191**	.....
Metropolitan portion	**36,638**	**38,051**	**38,031**	**−.1**	**11,892**	**12,280**	**12,228**	.....
Nonmetropolitan portion	**12,160**	**12,494**	**12,344**	**−1.2**	**8,802**	**9,005**	**8,874**	.....
Acadia	534	538	506	−6.0	9,027	9,036	8,492	44
Allen	159	164	157	−4.1	7,385	7,629	7,307	60
Ascension	593	613	606	−1.1	10,355	10,575	10,291	20
Assumption	211	214	212	−1.1	9,009	9,133	9,047	32
Avoyelles	329	337	334	−1.0	7,632	7,797	7,743	55
Beauregard	290	303	306	.9	9,030	9,307	9,339	27
Bienville	151	156	158	1.4	9,115	9,297	9,375	26
Bossier	948	1,011	1,032	2.2	10,618	11,160	11,243	9
Caddo	3,300	3,459	3,451	−.2	12,280	12,712	12,653	6
Calcasieu	1,875	1,906	1,915	.5	10,710	10,939	11,065	11
Caldwell	91	95	93	−1.8	8,115	8,318	8,099	49
Cameron	102	104	106	1.8	10,160	10,507	10,821	13
Catahoula	100	95	95	.3	7,901	7,455	7,536	58
Claiborne	163	169	169	.4	8,826	9,157	9,174	29
Concordia	219	215	210	−2.4	9,181	9,066	8,838	35
De Soto	246	261	253	−3.0	9,109	9,460	9,040	33
East Baton Rouge	5,058	5,268	5,231	−.7	12,965	13,428	13,325	3
East Carroll	95	90	82	−8.5	8,308	7,969	7,417	59
East Feliciana	177	189	182	−3.8	8,730	9,269	8,761	37
Evangeline	299	305	290	−4.9	8,561	8,641	8,197	48
Franklin	174	168	163	−2.9	7,153	6,901	6,697	63
Grant	130	136	141	3.0	7,215	7,548	7,708	56
Iberia	720	745	721	−3.3	10,510	10,860	10,443	17
Iberville	313	325	318	−2.2	9,377	9,708	9,435	25
Jackson	154	159	164	3.2	8,717	8,920	9,112	31
Jefferson	6,182	6,371	6,394	.4	12,920	13,316	13,340	2
Jefferson Davis	305	300	287	−4.3	9,173	9,010	8,598	41
Lafayette	2,363	2,485	2,370	−4.6	14,004	14,532	13,786	1
Lafourche	954	965	925	−4.1	10,862	11,027	10,575	15
La Salle	150	157	152	−3.2	8,615	9,087	8,815	36
Lincoln	393	413	429	4.0	9,236	9,722	10,077	22
Livingston	615	643	639	−.5	8,845	8,976	8,753	38
Madison	100	98	97	−.2	6,443	6,273	6,305	64
Morehouse	306	311	307	−1.3	8,555	8,471	8,319	47
Natchitoches	330	336	338	.5	8,288	8,414	8,459	46
Orleans	6,863	7,027	7,116	1.3	12,234	12,569	12,833	5
Ouachita	1,475	1,568	1,611	2.7	10,262	10,868	11,042	12
Plaquemines	310	322	328	2.0	11,585	12,073	12,337	7
Pointe Coupee	216	225	228	1.1	8,651	9,013	9,137	30
Rapides	1,372	1,452	1,499	3.2	9,855	10,437	10,738	14
Red River	90	90	88	−2.8	8,318	8,254	8,044	50
Richland	210	208	204	−2.2	9,139	8,880	8,717	40
Sabine	200	205	217	5.6	7,393	7,504	7,907	51
St. Bernard	763	778	770	−1.0	11,209	11,393	11,206	10
St. Charles	515	542	531	−2.0	12,373	12,692	12,221	8
St. Helena	69	73	73	.2	6,615	7,009	7,106	61
St. James	235	235	236	.5	10,581	10,467	10,514	16
St. John the Baptist	413	421	420	−.4	10,404	10,413	10,169	21
St. Landry	761	772	750	−2.8	8,602	8,717	8,481	45

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
St. Martin	373	384	360	−6.3	8,204	8,430	7,811	54
St. Mary	660	678	643	−5.2	10,156	10,488	9,999	23
St. Tammany	1,691	1,835	1,901	3.6	12,501	13,029	12,913	4
Tangipahoa	759	799	805	.8	8,470	8,781	8,740	39
Tensas	78	67	65	−4.0	9,474	7,937	7,646	57
Terrebonne	1,085	1,112	1,055	−5.1	10,721	10,948	10,392	19
Union	192	197	207	4.7	8,592	8,733	8,938	34
Vermilion	509	525	496	−5.5	9,643	9,860	9,268	28
Vernon	463	493	517	5.0	7,613	8,175	8,561	43
Washington	389	408	408	−.1	8,302	8,591	8,563	42
Webster	451	475	479	.9	9,892	10,389	10,400	18
West Baton Rouge	199	211	205	−3.1	9,633	10,102	9,661	24
West Carroll	91	96	91	−5.3	6,961	7,247	6,914	62
West Feliciana	105	109	106	−2.7	7,654	8,020	7,839	53
Winn	128	134	135	.6	7,379	7,810	7,877	52
Maine	**12,915**	**13,785**	**14,986**	**8.7**	**11,154**	**11,827**	**12,768**	.....
Metropolitan portion	**5,557**	**5,953**	**6,497**	**9.1**	**12,005**	**12,800**	**13,899**	.....
Nonmetropolitan portion	**7,358**	**7,831**	**8,489**	**8.4**	**10,587**	**11,180**	**12,019**	.....
Androscoggin	1,108	1,157	1,253	8.4	11,000	11,466	12,395	8
Aroostook	841	877	911	3.9	9,469	9,892	10,364	14
Cumberland	2,972	3,246	3,592	10.7	13,281	14,341	15,752	1
Franklin	283	289	306	5.9	9,706	9,563	10,511	12
Hancock	499	547	591	8.2	11,456	12,538	13,429	4
Kennebec	1,260	1,326	1,434	8.1	11,253	11,856	12,807	6
Knox	371	408	442	8.5	10,746	11,727	12,601	7
Lincoln	334	364	402	10.4	11,990	13,059	14,197	2
Oxford	513	527	564	7.1	10,275	10,519	11,232	10
Penobscot	1,477	1,550	1,651	6.5	10,673	11,247	11,943	9
Piscataquis	175	178	189	6.0	9,771	9,930	10,492	13
Sagadahoc	358	382	432	13.1	12,045	12,368	13,626	3
Somerset	432	457	500	9.3	9,228	9,759	10,609	11
Waldo	263	273	296	8.4	8,966	9,186	9,839	16
Washington	300	326	349	7.0	8,810	9,576	10,284	15
York	1,729	1,877	2,072	10.4	11,425	12,121	13,050	5
Maryland	**64,544**	**70,128**	**75,233**	**7.3**	**14,843**	**15,964**	**16,856**	.....
Metropolitan portion	**61,006**	**66,325**	**71,087**	**7.2**	**15,098**	**16,253**	**17,142**	.....
Nonmetropolitan portion	**3,538**	**3,803**	**4,146**	**9.0**	**11,500**	**12,186**	**13,099**	.....
Allegany	810	842	879	4.3	10,575	11,182	11,802	22
Anne Arundel	6,032	6,604	7,155	8.3	15,387	16,602	17,622	5
Baltimore	10,591	11,352	12,069	6.3	15,903	17,068	18,005	4
Calvert	528	607	661	8.9	13,334	14,635	15,142	10
Caroline	259	268	289	7.5	10,911	11,233	12,015	21
Carroll	1,544	1,700	1,834	7.9	14,671	15,737	16,426	6
Cecil	774	852	906	6.3	11,946	12,986	13,412	15
Charles	1,032	1,176	1,259	7.1	12,471	13,755	14,152	12
Dorchester	348	371	396	6.9	11,656	12,426	13,242	17
Frederick	1,614	1,786	1,890	5.8	12,892	13,952	14,375	11
Garrett	243	254	268	5.7	9,189	9,604	10,148	24
Harford	2,160	2,386	2,553	7.0	14,299	15,564	16,123	7
Howard	2,670	3,038	3,348	10.2	19,523	21,222	22,133	2
Kent	214	225	238	5.5	12,728	13,383	14,043	13
Montgomery	13,242	14,641	15,968	9.1	21,104	22,736	24,003	1
Prince Georges	9,134	9,849	10,582	7.4	13,565	14,579	15,530	9
Queen Annes	383	432	460	6.5	13,708	15,074	15,539	8
St. Marys	691	765	831	8.7	10,783	11,643	12,350	20
Somerset	172	190	211	11.2	9,062	9,915	10,896	23
Talbot	449	483	523	8.2	16,757	17,940	19,240	3
Washington	1,306	1,387	1,462	5.4	11,558	12,198	12,810	19
Wicomico	760	827	906	9.6	11,339	12,127	13,079	18
Worcester	401	420	484	15.2	11,851	11,949	13,415	14
Baltimore City	9,186	9,673	10,062	4.0	12,103	12,803	13,365	16
Massachusetts	**88,260**	**95,053**	**103,013**	**8.4**	**15,238**	**16,334**	**17,664**	.....
Metropolitan portion	**84,480**	**90,958**	**98,521**	**8.3**	**15,218**	**16,322**	**17,661**	.....
Nonmetropolitan portion	**3,780**	**4,096**	**4,492**	**9.7**	**15,693**	**16,587**	**17,721**	.....
Barnstable	2,684	2,926	3,209	9.7	16,719	17,695	18,814	4
Berkshire	1,907	2,025	2,173	7.3	13,444	14,303	15,376	10
Bristol	6,049	6,526	6,897	5.7	12,706	13,582	14,224	13
Dukes	158	175	195	11.4	15,448	16,564	17,824	6
Essex	10,181	11,013	11,850	7.6	15,774	16,982	18,249	5
Franklin	827	873	954	9.3	12,874	13,426	14,461	12
Hampden	5,867	6,222	6,692	7.5	13,233	13,999	15,042	11
Hampshire	1,675	1,794	1,942	8.3	11,889	12,733	13,726	14
Middlesex	23,464	25,160	27,491	9.3	17,101	18,316	20,110	3
Nantucket	111	121	134	10.5	18,941	20,368	22,297	1
Norfolk	10,875	11,698	12,759	9.1	18,067	19,425	21,175	2
Plymouth	5,712	6,293	6,775	7.7	13,775	15,029	15,965	9
Suffolk	9,696	10,452	11,362	8.7	14,567	15,646	17,179	7
Worcester	9,053	9,775	10,580	8.2	13,942	14,946	16,005	8
Michigan	**118,047**	**127,542**	**135,396**	**6.2**	**13,027**	**14,034**	**14,806**	.....
Metropolitan portion	**99,648**	**108,134**	**114,866**	**6.2**	**13,691**	**14,822**	**15,662**	.....
Nonmetropolitan portion	**18,399**	**19,408**	**20,530**	**5.8**	**10,315**	**10,825**	**11,338**	.....
Alcona	94	100	106	6.3	9,541	9,816	10,455	60
Alger	72	74	82	11.4	8,170	8,389	9,524	74
Allegan	924	996	1,043	4.7	11,011	11,684	12,039	32
Alpena	320	332	351	5.7	10,240	10,769	11,382	42
Antrim	169	183	190	3.7	10,125	10,879	11,266	46
Arenac	142	154	159	3.3	9,434	10,277	10,585	57
Baraga	73	77	80	4.4	8,903	9,371	9,817	70
Barry	538	576	620	7.6	11,629	12,306	12,970	24
Bay	1,363	1,451	1,497	3.2	11,686	12,610	13,034	23
Benzie	114	121	127	5.2	10,299	10,817	11,278	45
Berrien	1,872	1,968	2,090	6.2	11,485	12,099	12,773	27
Branch	413	428	455	6.4	10,683	11,023	11,534	38
Calhoun	1,547	1,656	1,729	4.4	11,312	12,168	12,634	29
Cass	549	563	602	7.0	11,437	11,646	12,427	31
Charlevoix	204	218	232	6.5	10,383	11,030	11,465	39
Cheboygan	194	203	215	5.7	9,365	9,806	10,349	61
Chippewa	257	271	282	4.1	8,950	9,315	9,625	73
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	9,160	9,709	71
Delta	394	412	439	6.5	10,134	10,662	11,348	43
Dickinson	309	323	346	7.0	12,048	12,325	12,918	26
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
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
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
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
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
Ingham	3,497	3,735	4,009	7.3	12,903	13,704	14,431	9
Ionia	502	534	552	3.3	9,615	10,118	10,280	64
Iosco	278	293	314	7.2	9,235	9,763	10,322	62
Iron	145	148	154	4.1	10,443	10,739	11,008	48
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	12,666	28
Kalamazoo	2,760	2,936	3,140	6.9	12,931	13,714	14,425	10
Kalkaska	97	101	110	8.5	8,497	8,703	9,224	77
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
Lake	64	67	71	7.0	7,626	7,881	8,268	83
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
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	14,826	15,561	4
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
Macomb	9,917	11,061	11,829	6.9	14,417	15,956	16,966	3
Manistee	226	233	243	4.2	10,182	10,510	10,952	49
Marquette	706	730	777	6.4	9,842	10,222	10,887	51
Mason	260	269	280	4.1	9,937	10,288	10,626	55
Mecosta	296	316	341	7.8	7,983	8,472	8,930	81
Menominee	253	262	273	4.1	9,774	10,133	10,548	59
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
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
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
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
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
Ontonagon	82	85	97	13.9	8,598	9,385	10,926	50
Osceola	167	175	187	7.1	8,333	8,624	9,162	78
Oscoda	57	59	63	6.2	8,177	8,468	9,113	80
Otsego	164	174	186	7.1	10,783	11,263	11,790	37
Ottawa	2,037	2,212	2,368	7.1	12,428	13,236	13,828	12
Presque Isle	135	136	138	1.5	9,774	9,797	9,916	68
Roscommon	173	186	199	7.1	9,559	9,951	10,602	56
Saginaw	2,702	2,859	2,936	2.7	12,330	13,152	13,567	16
St. Clair	1,629	1,790	1,905	6.5	11,822	12,916	13,560	17
St. Joseph	629	665	703	5.8	10,945	11,411	11,806	36
Sanilac	411	435	461	6.1	10,291	10,907	11,441	40
Schoolcraft	78	81	86	6.0	9,192	9,697	10,291	63
Shiawassee	804	869	903	3.9	11,696	12,640	13,097	22
Tuscola	601	640	656	2.6	10,858	11,590	11,911	34
Van Buren	659	710	752	5.9	9,955	10,687	11,168	47
Washtenaw	4,081	4,464	4,922	10.3	15,652	17,036	18,505	2
Wayne	28,055	30,077	31,599	5.1	12,819	13,811	14,600	7
Wexford	240	254	269	6.2	9,240	9,630	10,087	66
Minnesota	**55,824**	**59,257**	**63,175**	**6.6**	**13,407**	**14,137**	**14,992**	.....
Metropolitan portion	**40,008**	**42,833**	**45,614**	**6.5**	**14,780**	**15,634**	**16,458**	.....
Nonmetropolitan portion	**15,816**	**16,424**	**17,562**	**6.9**	**10,854**	**11,312**	**12,175**	.....
Aitkin	120	127	134	6.1	8,975	9,516	9,840	82
Anoka	2,712	2,933	3,137	7.0	12,891	13,626	14,184	15
Becker	274	286	309	8.1	9,301	9,760	10,495	76

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change 2 1985–86	Per capita personal income 3: Dollars 1984	1985	1986	Rank in State 1986
Beltrami	299	319	329	3.0	9,136	9,674	9,962	80
Benton	264	289	302	4.7	10,034	10,842	11,154	69
Big Stone	80	84	88	4.4	10,442	11,231	12,004	56
Blue Earth	597	618	650	5.2	11,577	12,042	12,747	35
Brown	328	342	368	7.7	11,492	12,119	13,177	30
Carlton	299	312	343	9.8	9,967	10,463	11,471	63
Carver	536	587	621	5.8	13,698	14,725	15,176	9
Cass	192	204	215	5.7	8,838	9,385	10,015	78
Chippewa	161	172	179	3.9	10,961	11,877	12,572	43
Chisago	321	338	363	7.6	11,679	12,136	12,901	34
Clay	547	557	598	7.4	11,286	11,514	12,516	44
Clearwater	72	74	79	7.1	8,172	8,244	9,032	86
Cook	44	47	49	5.7	10,815	11,419	12,059	55
Cottonwood	174	236	199	−15.5	12,150	16,645	14,343	14
Crow Wing	450	475	500	5.3	10,388	10,847	11,205	68
Dakota	3,217	3,552	3,808	7.2	15,102	16,130	16,677	4
Dodge	167	176	194	10.6	10,906	11,422	12,707	37
Douglas	285	300	322	7.4	9,848	10,260	11,051	71
Faribault	228	238	256	7.6	12,055	12,710	13,921	17
Fillmore	237	236	265	12.0	10,890	10,921	12,397	48
Freeborn	408	416	446	7.2	11,539	11,911	12,936	33
Goodhue	473	495	535	8.2	12,007	12,548	13,576	19
Grant	85	89	99	10.9	12,163	13,107	14,797	11
Hennepin	16,667	17,870	19,069	6.7	17,222	18,240	19,303	1
Houston	190	202	220	8.9	10,084	10,700	11,577	62
Hubbard	129	139	149	7.0	8,999	9,517	9,991	79
Isanti	261	278	288	3.5	10,557	11,119	11,361	66
Itasca	420	435	450	3.3	9,814	10,179	10,572	74
Jackson	153	158	177	12.0	11,286	11,694	13,370	27
Kanabec	121	125	134	7.0	9,729	9,923	10,652	73
Kandiyohi	407	429	471	9.7	10,675	11,290	12,363	50
Kittson	111	93	94	1.3	17,136	14,638	15,187	8
Koochiching	172	164	162	−1.1	10,370	10,151	10,571	75
Lac Qui Parle	105	117	127	8.3	10,183	11,427	12,636	39
Lake	104	104	102	−2.3	8,747	8,939	8,855	87
Lake of the Woods	38	38	40	6.2	10,006	9,898	10,492	77
Le Sueur	285	295	316	7.3	12,068	12,492	13,522	21
Lincoln	75	84	91	8.0	9,580	10,890	11,929	57
Lyon	288	306	330	8.1	11,309	12,109	13,223	29
McLeod	368	393	421	7.1	11,987	12,742	13,488	23
Mahnomen	59	53	59	12.4	11,035	9,797	11,137	70
Marshall	176	156	164	5.1	14,143	12,673	13,467	24
Martin	313	324	353	9.1	12,500	13,009	14,396	13
Meeker	230	245	262	7.0	10,918	11,586	12,403	47
Mille Lacs	196	207	214	3.1	10,419	10,943	11,274	67
Morrison	259	275	298	8.3	8,571	9,099	9,849	81
Mower	507	488	526	7.8	12,715	12,282	13,522	21
Murray	118	124	142	14.6	10,615	11,381	13,425	25
Nicollet	287	303	325	7.3	10,548	11,035	11,807	59
Nobles	243	255	281	10.0	11,340	12,101	13,596	18
Norman	131	119	127	6.8	14,964	13,738	14,868	10
Olmsted	1,456	1,542	1,645	6.7	15,150	15,831	16,798	2
Otter Tail	522	548	593	8.2	9,941	10,477	11,368	65
Pennington	158	163	169	3.5	11,211	11,643	12,222	52
Pine	178	187	200	7.4	8,512	8,847	9,691	84
Pipestone	121	124	139	11.8	10,666	11,167	12,664	38
Polk	424	429	448	4.4	12,502	12,781	13,409	26
Pope	112	116	124	6.9	9,627	10,071	10,848	72
Ramsey	7,072	7,495	7,961	6.2	15,115	15,896	16,795	3
Red Lake	61	58	58	−.7	11,683	11,456	11,641	61
Redwood	205	216	230	6.8	10,793	11,390	12,478	45
Renville	230	238	257	7.8	11,452	11,961	13,135	31
Rice	522	558	599	7.2	11,087	11,858	12,611	41
Rock	113	115	130	12.6	10,521	10,841	12,461	46
Roseau	153	145	164	13.6	12,083	11,126	12,396	49
St. Louis	2,292	2,331	2,406	3.2	10,941	11,361	11,918	58
Scott	663	730	766	4.8	14,126	14,962	15,247	7
Sherburne	369	383	412	7.6	11,447	11,557	12,069	54
Sibley	174	182	199	9.0	11,308	11,963	13,235	28
Stearns	1,160	1,239	1,328	7.1	10,347	10,987	11,664	60
Steele	373	397	425	6.9	12,444	13,285	14,183	16
Stevens	120	126	135	7.2	11,104	11,683	12,709	36
Swift	127	126	138	9.8	10,004	10,170	11,400	64
Todd	217	224	246	9.6	8,434	8,742	9,651	85
Traverse	71	77	83	7.1	12,936	14,553	16,173	6
Wabasha	215	222	237	7.0	11,049	11,362	12,178	53
Wadena	120	124	135	9.6	8,472	8,838	9,765	83
Waseca	231	231	246	6.3	12,493	12,568	13,555	20
Washington	1,768	1,941	2,096	8.0	14,412	15,539	16,332	5
Watonwan	145	143	155	8.1	11,725	11,708	12,973	32
Wilkin	106	114	117	2.0	12,954	14,035	14,739	12
Winona	521	541	583	7.7	11,200	11,636	12,582	42
Wright	702	767	814	6.2	11,329	12,165	12,615	40
Yellow Medicine	135	143	159	11.1	10,146	10,947	12,285	51
Mississippi	**23,159**	**24,242**	**25,454**	**5.0**	**8,910**	**9,273**	**9,697**	.....
Metropolitan portion	**7,834**	**8,211**	**8,822**	**7.4**	**10,302**	**10,562**	**11,196**	.....
Nonmetropolitan portion	**15,326**	**16,031**	**16,632**	**3.8**	**8,334**	**8,727**	**9,054**	.....
Adams	401	400	400	−.1	10,155	10,149	10,259	11
Alcorn	303	317	337	6.3	9,204	9,705	10,327	9
Amite	94	96	97	1.2	7,041	7,208	7,288	69
Attala	141	148	153	3.8	7,275	7,571	7,841	63
Benton	62	64	63	−1.0	7,205	7,400	7,404	68
Bolivar	332	351	351	−.1	7,321	7,920	7,953	59
Calhoun	119	122	129	5.6	7,746	7,883	8,390	51
Carroll	65	69	69	.4	6,769	7,091	7,126	73
Chickasaw	150	156	162	4.0	8,304	8,690	9,014	26
Choctaw	67	68	69	.8	7,491	7,657	7,757	64
Claiborne	85	88	90	2.0	6,903	7,270	7,449	67
Clarke	138	142	147	4.0	8,095	8,389	8,659	43
Clay	180	187	195	4.2	8,203	8,578	8,900	31
Coahoma	283	293	291	−.8	7,874	8,279	8,179	55
Copiah	213	222	235	5.7	8,063	8,388	8,829	34
Covington	121	128	135	5.8	7,469	7,827	8,236	53
De Soto	596	657	693	5.6	10,211	10,748	10,897	6
Forrest	627	666	696	4.4	9,118	9,787	10,190	12
Franklin	74	77	79	2.6	8,704	8,874	9,000	29
George	119	122	136	11.3	7,404	7,593	8,317	52
Greene	63	65	66	.4	6,498	6,857	6,790	78
Grenada	187	197	206	4.4	8,668	8,985	10,067	14
Hancock	255	262	289	10.5	8,822	8,558	9,161	23
Harrison	1,646	1,680	1,844	9.8	9,794	9,850	10,684	7
Hinds	3,005	3,181	3,343	5.1	11,682	12,264	12,862	1
Holmes	143	146	151	3.9	6,096	6,298	6,611	80
Humphreys	111	116	109	−6.1	7,873	8,363	7,887	62
Issaquena	20	15	14	−3.3	8,566	6,608	6,365	81
Itawamba	157	164	174	5.7	7,614	7,963	8,462	49
Jackson	1,133	1,136	1,297	14.2	9,031	8,959	10,122	13
Jasper	132	137	145	6.1	7,529	7,853	8,605	45
Jefferson	55	53	56	5.4	6,051	6,004	6,344	82
Jefferson Davis	94	100	105	4.7	6,522	6,953	7,243	72
Jones	593	631	650	3.0	9,343	10,043	10,309	10
Kemper	69	71	73	3.4	6,762	7,001	7,256	70
Lafayette	244	257	275	6.8	7,767	8,338	9,005	28
Lamar	220	228	241	5.5	8,319	8,432	8,802	37
Lauderdale	827	887	932	5.2	10,563	11,384	12,024	2
Lawrence	101	115	110	−4.1	7,786	8,868	8,446	50
Leake	155	157	168	6.7	8,116	8,351	8,886	32
Lee	600	644	698	8.4	10,050	10,478	11,244	4
Leflore	353	365	366	.1	8,284	8,825	8,864	33
Lincoln	245	257	273	6.2	7,905	8,264	8,705	41
Lowndes	563	595	623	4.8	9,492	9,880	10,349	8
Madison	413	444	449	1.2	9,003	9,097	8,984	30
Marion	202	212	218	3.0	7,499	7,891	8,107	58
Marshall	221	235	236	.2	6,890	7,151	7,097	74
Monroe	319	332	349	5.2	8,629	9,015	9,518	18
Montgomery	97	98	103	4.9	7,446	7,622	8,141	56
Neshoba	193	199	211	6.1	7,889	8,225	8,666	42
Newton	176	183	195	6.6	8,728	9,051	9,634	16
Noxubee	85	86	87	1.4	6,572	6,641	6,769	79
Oktibbeha	289	311	326	4.8	7,810	8,484	8,826	35
Panola	216	223	233	4.8	7,424	7,632	7,921	61
Pearl River	317	314	335	6.6	8,394	8,131	8,511	48
Perry	89	86	88	1.5	8,538	8,520	8,633	44
Pike	302	316	331	4.5	8,216	8,465	8,824	36
Pontotoc	178	195	206	5.4	8,146	8,822	9,202	22
Prentiss	184	192	203	5.9	7,430	7,760	8,199	54
Quitman	84	90	81	−9.8	7,333	7,963	7,244	71
Rankin	785	851	907	6.5	10,270	10,624	11,040	5
Scott	208	220	249	12.9	8,228	8,562	9,585	17
Sharkey	66	61	53	−13.1	8,266	7,954	6,977	76
Simpson	187	199	214	7.7	7,775	8,202	8,787	39
Smith	126	133	147	10.3	8,419	8,630	9,420	20
Stone	87	88	92	4.6	8,704	8,739	9,009	27
Sunflower	277	301	290	−3.7	7,589	8,264	7,939	60
Tallahatchie	118	121	121	3.4	7,210	7,414	7,460	66
Tate	188	201	211	4.9	8,954	9,394	9,782	15
Tippah	155	161	170	5.8	8,195	8,520	9,052	25
Tishomingo	146	149	156	4.7	8,083	8,288	8,735	40
Tunica	63	68	62	−8.6	6,591	7,426	6,874	77
Union	189	202	209	3.7	8,700	9,084	9,429	19
Walthall	90	93	95	2.8	6,555	6,856	7,000	75
Warren	541	570	591	3.7	10,444	11,042	11,495	3
Washington	618	644	656	1.9	8,681	9,069	9,278	21
Wayne	147	154	163	5.5	7,333	7,717	8,126	57
Webster	87	92	95	3.0	8,417	8,874	9,142	24
Wilkinson	78	79	78	−.9	7,570	7,723	7,680	65
Winston	153	160	169	5.5	7,957	8,321	8,799	38
Yalobusha	105	111	113	2.1	7,872	8,447	8,581	46
Yazoo	239	237	230	−2.7	8,739	8,703	8,537	47

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 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	12,228	25
Cole	701	743	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
Daviess	73	81	85	4.8	8,476	9,524	9,942	84
De Kalb	80	87	92	5.4	9,902	10,823	11,343	45
Dent	131	136	144	6.1	8,877	9,417	10,109	82
Douglas	85	88	93	5.1	6,887	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	9,766	90
Maries	70	75	78	4.3	8,971	9,562	9,808	89
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	8,607	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	29
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	9,995	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
Polk	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
Ste. Genevieve	166	172	180	5.2	10,837	11,015	11,298	48
St. Francois	442	468	493	5.4	10,164	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	228	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**	**7,082**	**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	14	14	20	45.8	8,117	7,720	11,404	30
Cascade	987	1,000	1,034	3.4	12,118	12,375	13,020	9
Chouteau	60	60	82	37.5	9,759	9,882	13,928	3
Custer	158	162	164	1.0	11,690	12,126	12,454	14
Daniels	27	26	39	48.5	9,614	9,591	14,810	2
Dawson	134	130	132	1.5	11,053	11,027	11,545	27
Deer Lodge	101	103	105	2.4	9,037	9,293	9,784	50
Fallon	44	43	44	2.3	11,860	11,411	12,087	21
Fergus	127	127	143	13.3	9,926	9,837	11,434	29
Flathead	634	658	671	2.1	11,432	11,485	11,611	26
Gallatin	498	522	542	3.7	10,645	10,941	11,336	31
Garfield	14	14	22	65.5	8,256	8,004	13,426	6
Glacier	109	108	122	12.6	9,509	9,584	10,887	37
Golden Valley	10	10	14	32.2	9,182	9,218	12,436	16
Granite	26	26	28	7.3	9,747	9,590	10,516	44
Hill	193	189	218	15.0	10,393	10,392	12,102	20
Jefferson	89	94	101	7.2	11,150	11,716	12,412	17
Judith Basin	24	23	28	23.5	8,839	8,570	10,979	35
Lake	176	188	204	8.5	8,679	9,085	9,929	48
Lewis and Clark	555	587	599	2.0	12,208	12,749	12,910	11
Liberty	25	25	39	53.5	9,645	10,188	15,926	1
Lincoln	163	167	175	4.7	8,692	8,876	9,397	54
McCone	25	23	32	39.1	9,304	8,846	12,447	15
Madison	53	56	63	12.9	8,999	9,655	11,054	33
Meagher	19	18	24	33.2	8,622	8,343	10,933	36
Mineral	33	33	33	−1.6	9,015	9,108	8,994	55
Missoula	848	883	915	3.7	11,095	11,414	11,780	23
Musselshell	47	47	50	6.2	9,901	9,933	10,827	39
Petroleum	3	3	6	74.0	4,656	5,272	9,432	53
Phillips	47	45	59	32.8	8,328	7,847	10,754	40
Pondera	65	61	78	28.7	9,227	8,858	11,721	24
Powder River	24	23	29	23.5	9,624	9,476	11,989	22
Powell	66	70	73	4.9	9,795	10,068	10,630	42
Prairie	16	15	19	22.6	8,726	8,565	10,872	38
Ravalli	223	235	248	5.3	9,069	9,514	9,928	49
Richland	148	147	148	9.1	10,404	10,588	11,036	34
Roosevelt	100	103	114	10.8	8,686	8,800	9,778	52
Rosebud	124	116	121	3.7	9,166	9,258	9,781	51
Sanders	77	73	77	5.4	8,355	8,050	8,724	56
Sheridan	63	62	75	20.2	10,621	10,709	13,210	7
Silver Bow	405	411	427	3.9	11,514	11,858	12,535	12
Stillwater	67	66	70	7.0	10,989	10,740	11,444	28
Sweet Grass	36	37	41	12.1	10,688	11,049	12,495	13
Teton	64	63	79	25.5	9,578	9,663	12,259	18
Toole	62	63	72	15.7	10,834	10,957	13,108	8
Treasure	10	11	13	21.0	9,681	11,080	13,540	4
Valley	94	92	109	19.1	9,591	9,499	11,707	25
Wheatland	24	24	29	20.9	10,387	10,774	13,435	5

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Wibaux	14	12	14	16.4	9,326	8,655	10,620	43
Yellowstone	1,499	1,535	1,564	1.9	12,584	12,735	13,019	10
Park (incl. Ylwstn. Natl. Park)	147	153	161	5.4	10,915	11,296	12,161	19
Nebraska	**19,778**	**20,913**	**21,930**	**4.9**	**12,321**	**13,031**	**13,726**	.....
Metropolitan portion	**9,692**	**10,327**	**10,845**	**5.0**	**13,112**	**13,851**	**14,466**	.....
Nonmetropolitan portion	**10,086**	**10,586**	**11,085**	**4.7**	**11,646**	**12,319**	**13,072**	.....
Adams	385	407	415	1.9	12,329	13,015	13,420	34
Antelope	97	103	107	4.1	11,124	11,949	12,739	53
Arthur	5	5	6	10.2	9,854	10,840	12,140	70
Banner	14	9	12	30.4	14,068	9,043	11,880	72
Blaine	7	6	8	28.2	8,824	8,867	11,588	76
Boone	83	83	88	6.7	11,252	11,408	12,469	60
Box Butte	197	192	203	5.5	13,738	13,124	13,877	28
Boyd	31	31	34	10.4	9,462	9,726	11,008	86
Brown	52	49	52	5.6	12,131	11,618	12,728	54
Buffalo	400	414	429	3.7	10,674	11,080	11,664	75
Burt	96	111	117	5.9	10,979	12,904	14,012	25
Butler	108	124	131	5.8	11,678	13,471	14,403	21
Cass	233	262	271	3.7	10,973	12,158	12,390	65
Cedar	98	99	112	13.2	8,760	8,873	10,221	90
Chase	63	66	69	4.1	12,900	13,858	14,788	18
Cherry	62	64	72	11.6	8,980	9,294	10,560	89
Cheyenne	148	140	150	7.5	14,767	13,776	14,829	17
Clay	110	122	126	2.9	13,846	15,659	16,455	7
Colfax	104	113	120	5.9	10,707	11,772	12,603	56
Cuming	118	122	137	12.2	10,262	10,869	12,361	66
Custer	161	164	173	5.7	11,541	12,079	13,238	37
Dakota	187	196	196	−.1	10,750	11,248	11,342	80
Dawes	105	101	106	5.0	11,011	10,754	11,423	78
Dawson	251	247	248	.5	11,282	11,234	11,823	73
Deuel	38	37	40	6.5	15,679	15,712	16,829	6
Dixon	67	68	77	13.1	9,553	9,902	11,455	77
Dodge	422	455	465	2.2	11,827	12,870	13,211	38
Douglas	5,728	6,059	6,348	4.8	14,010	14,691	15,300	14
Dundy	45	50	50	1.8	15,561	17,240	18,085	5
Fillmore	113	133	136	2.6	14,590	17,519	18,450	4
Franklin	52	54	56	5.2	11,941	12,793	13,924	27
Frontier	39	40	45	12.2	10,772	11,267	13,037	45
Furnas	77	78	85	8.3	11,861	12,346	13,736	30
Gage	264	291	309	6.1	10,977	12,272	13,143	39
Garden	44	43	45	4.4	16,131	15,143	16,038	9
Garfield	24	21	23	9.4	9,941	9,380	10,689	88
Gosper	33	34	34	−.6	15,367	15,524	15,967	10
Grant	8	5	10	109.2	9,363	5,377	11,174	82
Greeley	36	36	40	10.2	10,769	10,925	12,190	69
Hall	587	612	638	4.3	11,866	12,357	13,054	43
Hamilton	119	129	130	.3	12,777	14,002	14,249	23
Harlan	48	50	53	6.3	11,305	11,852	12,939	49
Hayes	19	24	26	6.0	14,229	18,169	18,881	3
Hitchcock	48	53	57	6.9	12,050	13,374	14,497	19
Holt	170	172	180	4.6	12,222	12,402	13,329	35
Hooker	9	10	10	5.7	8,837	9,519	10,750	87
Howard	68	73	76	3.8	9,989	11,085	11,751	74
Jefferson	117	129	135	4.2	12,155	13,542	14,406	20
Johnson	52	60	64	6.1	9,981	11,993	12,999	48
Kearney	94	102	103	1.0	13,729	15,056	15,504	12
Keith	125	131	133	2.0	13,530	14,355	14,921	15
Keya Paha	11	11	14	20.3	9,107	9,348	11,352	79
Kimball	79	72	76	5.3	16,133	14,800	15,883	11
Knox	95	96	110	14.8	8,401	8,652	10,139	91
Lancaster	2,509	2,692	2,829	5.1	12,333	13,113	13,731	31
Lincoln	417	422	436	3.4	12,078	12,369	12,923	50
Logan	12	12	13	4.4	12,105	12,567	13,822	29
Loup	7	7	8	18.6	7,827	7,878	10,013	92
McPherson	5	5	6	23.9	9,230	9,172	11,339	81
Madison	369	388	400	3.2	11,463	12,035	12,420	62
Merrick	98	104	106	1.6	11,063	11,991	12,345	67
Morrill	72	66	74	11.2	11,915	11,187	12,631	55
Nance	53	54	57	4.8	11,407	11,865	12,781	52
Nemaha	90	105	114	8.9	10,427	12,200	13,712	32
Nuckolls	78	82	87	5.6	11,548	12,302	13,298	36
Otoe	162	186	193	3.9	10,734	12,491	13,099	40
Pawnee	36	42	46	8.5	9,672	11,386	12,439	61
Perkins	86	85	88	3.3	23,123	22,816	24,141	1
Phelps	157	161	164	2.4	15,563	15,779	16,364	8
Pierce	90	102	110	7.8	10,670	12,144	13,072	41
Platte	355	363	377	3.9	11,937	12,192	12,813	51
Polk	82	87	92	4.7	13,410	14,461	15,358	13
Red Willow	155	160	166	3.6	11,999	12,477	13,002	47
Richardson	116	127	135	6.5	10,496	11,902	13,023	46
Rock	26	24	28	12.6	10,782	10,554	12,094	71
Saline	154	170	175	2.7	11,681	12,999	13,429	33
Sarpy	1,081	1,168	1,249	6.9	11,513	12,334	13,057	42
Saunders	194	228	232	2.0	10,368	12,204	12,473	59
Scotts Bluff	447	452	469	3.9	11,759	11,960	12,393	64
Seward	171	188	195	3.7	10,835	11,964	12,488	58
Sheridan	86	84	92	8.6	11,188	11,257	12,510	57
Sherman	41	40	44	9.1	9,970	9,999	11,051	84
Sioux	18	19	21	11.2	10,180	10,943	12,275	68
Stanton	68	72	80	11.0	10,401	11,048	12,413	63
Thayer	91	102	104	2.0	12,126	13,842	14,354	22
Thomas	10	10	10	6.6	10,429	10,062	11,084	83
Thurston	55	57	62	8.6	7,555	7,998	8,696	93
Valley	68	73	76	5.0	11,479	12,256	13,053	44
Washington	188	212	224	5.5	11,994	13,471	14,116	24
Wayne	94	97	106	8.7	9,420	9,957	11,013	85
Webster	64	62	65	3.8	13,456	13,450	13,945	26
Wheeler	20	23	24	2.9	18,959	21,758	23,372	2
York	206	217	221	1.8	13,691	14,466	14,873	16
Nevada	**12,678**	**13,768**	**14,878**	**8.1**	**13,832**	**14,701**	**15,445**	.....
Metropolitan portion	**10,546**	**11,477**	**12,407**	**8.1**	**13,977**	**14,895**	**15,625**	.....
Nonmetropolitan portion	**2,133**	**2,291**	**2,471**	**7.9**	**13,160**	**13,799**	**14,602**	.....
Churchill	163	178	195	9.6	11,564	12,089	12,722	12
Clark	7,160	7,826	8,484	8.4	13,242	14,211	14,898	7
Douglas	363	404	450	11.4	16,956	18,102	19,397	1
Elko	261	276	294	6.7	12,814	13,007	13,421	8
Esmeralda	19	19	20	7.2	13,425	13,847	15,738	5
Eureka	15	20	20	1.0	11,635	16,297	16,458	4
Humboldt	120	122	124	2.2	10,994	11,734	11,775	16
Lander	53	56	56	.1	12,081	13,103	13,249	10
Lincoln	43	44	45	2.7	12,184	12,591	13,316	9
Lyon	184	201	216	7.2	11,797	12,143	12,518	13
Mineral	73	74	76	2.9	12,133	12,054	12,499	14
Nye	159	167	174	4.3	11,322	11,392	11,946	15
Pershing	37	36	43	19.8	10,124	9,703	11,514	17
Storey	25	27	29	7.8	13,889	15,040	15,583	6
Washoe	3,386	3,651	3,923	7.5	15,837	16,608	17,469	2
White Pine	92	92	99	7.7	11,207	11,723	12,958	11
Carson City	526	575	628	9.2	14,877	15,835	17,020	3
New Hampshire	**13,752**	**15,326**	**16,768**	**9.4**	**14,057**	**15,342**	**16,328**	.....
Metropolitan portion	**8,837**	**9,927**	**10,873**	**9.5**	**14,864**	**16,246**	**17,258**	.....
Nonmetropolitan portion	**4,915**	**5,399**	**5,894**	**9.2**	**12,808**	**13,917**	**14,852**	.....
Belknap	617	680	738	8.5	13,588	14,926	15,678	4
Carroll	411	460	517	12.3	13,647	15,051	16,281	3
Cheshire	809	876	950	8.5	12,546	13,378	14,194	7
Coos	391	416	446	7.2	11,540	12,278	13,114	10
Grafton	838	912	1,015	11.2	12,263	13,320	14,583	6
Hillsborough	4,648	5,180	5,667	9.4	15,716	16,903	18,031	1
Merrimack	1,399	1,569	1,713	9.2	13,434	14,732	15,611	5
Rockingham	3,102	3,549	3,905	10.0	14,952	16,685	17,606	2
Strafford	1,086	1,198	1,301	8.6	11,902	13,041	13,849	8
Sullivan	450	485	517	6.4	12,035	12,965	13,652	9
New Jersey	**123,602**	**133,487**	**143,849**	**7.8**	**16,455**	**17,655**	**18,879**	.....
Metropolitan portion	**123,602**	**133,487**	**143,849**	**7.8**	**16,455**	**17,655**	**18,879**	.....
Atlantic	3,411	3,680	3,951	7.4	17,010	18,092	19,229	9
Bergen	17,381	18,679	20,200	8.1	20,600	22,240	24,136	2
Burlington	5,568	6,079	6,547	7.7	14,748	16,005	17,021	13
Camden	6,674	7,187	7,691	7.0	13,765	14,751	15,606	17
Cape May	1,344	1,473	1,569	6.6	15,204	16,318	17,073	12
Cumberland	1,535	1,640	1,723	5.1	11,469	12,162	12,732	21
Essex	12,839	13,610	14,625	7.5	15,260	16,126	17,372	11
Gloucester	2,658	2,873	3,053	6.3	12,911	13,788	14,432	19
Hudson	7,192	7,532	8,017	6.4	12,833	13,522	14,495	18
Hunterdon	1,811	2,035	2,223	9.2	19,686	21,747	23,101	4
Mercer	5,258	5,725	6,195	8.2	16,759	18,039	19,309	8
Middlesex	10,617	11,559	12,430	7.5	17,213	18,441	19,476	7
Monmouth	9,156	10,109	10,948	8.3	17,526	19,007	20,175	6
Morris	8,314	9,080	9,962	9.7	19,915	21,736	23,769	3
Ocean	5,518	6,125	6,578	7.4	14,877	16,084	16,755	16
Passaic	6,706	7,186	7,725	7.5	14,674	15,634	16,762	15
Salem	825	880	933	6.1	12,588	13,440	14,276	20
Somerset	4,527	4,962	5,434	9.5	21,671	23,545	25,196	1
Sussex	1,854	2,051	2,215	8.0	15,497	16,954	17,907	10
Union	9,152	9,657	10,358	7.3	18,120	19,093	20,551	5
Warren	1,264	1,366	1,472	7.8	14,808	15,964	16,958	14
New Mexico	**14,979**	**16,266**	**16,908**	**3.9**	**10,495**	**11,208**	**11,428**	.....
Metropolitan portion	**7,931**	**8,748**	**9,306**	**6.4**	**11,842**	**12,739**	**13,227**	.....
Nonmetropolitan portion	**7,048**	**7,518**	**7,602**	**1.1**	**9,304**	**9,833**	**9,798**	.....
Bernalillo	5,599	6,148	6,519	6.0	12,303	13,218	13,742	3
Catron	21	24	26	8.8	7,408	8,585	9,582	22
Chaves	599	626	629	.6	10,667	11,062	11,104	8
Cibola	174	176	180	2.4	7,154	6,926	7,253	31
Colfax	147	163	163	.4	10,379	11,371	11,446	5
Curry	446	485	482	−.6	10,302	11,363	11,117	7
De Baca	22	23	24	3.2	9,031	9,732	10,037	18
Dona Ana	975	1,098	1,174	6.9	8,524	9,274	9,544	23
Eddy	563	585	574	−2.0	10,799	11,135	10,938	10
Grant	269	267	270	1.0	9,916	9,781	9,856	19
Guadalupe	32	35	36	3.4	7,004	7,828	8,199	28
Harding	10	13	12	−10.3	9,466	13,337	11,601	4
Hidalgo	62	58	64	9.0	9,825	9,425	10,489	14

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Lea	755	787	725	−8.0	11,700	12,014	11,170	6
Lincoln	138	144	146	2.0	10,129	10,348	10,779	13
Los Alamos	328	364	383	5.3	18,387	19,787	20,566	1
Luna	130	141	154	9.3	7,489	8,025	8,664	24
Mckinley	429	444	458	3.0	6,805	7,018	6,960	32
Mora	27	29	30	3.9	6,096	6,338	6,616	33
Otero	483	518	545	5.2	9,844	10,487	10,848	11
Quay	105	117	114	−3.0	9,110	10,046	9,784	20
Rio Arriba	225	242	260	7.5	6,957	7,452	7,827	29
Roosevelt	149	169	167	−1.1	9,050	10,274	10,162	16
Sandoval	422	493	529	7.2	9,865	11,284	11,082	9
San Juan	834	888	896	.9	9,138	9,741	9,740	21
San Miguel	171	185	193	4.1	6,991	7,456	7,628	30
Santa Fe	1,029	1,138	1,230	8.1	12,486	13,418	14,047	2
Sierra	83	90	97	8.0	9,014	9,404	10,059	17
Socorro	103	113	121	6.4	7,268	8,345	8,637	25
Taos	183	192	183	−4.9	8,362	8,793	8,337	27
Torrance	70	75	77	2.8	8,373	8,755	8,563	26
Union	48	54	55	1.1	9,232	10,732	10,839	12
Valencia	349	381	394	3.3	10,424	10,625	10,436	15
New York	**263,537**	**280,690**	**301,770**	**7.5**	**14,878**	**15,817**	**16,980**	.....
Metropolitan portion	**245,631**	**261,793**	**281,614**	**7.6**	**15,326**	**16,298**	**17,511**	.....
Nonmetropolitan portion	**17,905**	**18,898**	**20,155**	**6.7**	**10,621**	**11,223**	**11,924**	.....
Albany	4,135	4,392	4,754	8.3	14,567	15,482	16,776	10
Allegany	441	458	491	7.2	8,642	9,044	9,718	62
Bronx	12,872	13,602	14,590	7.3	10,895	11,424	12,223	37
Broome	2,766	2,897	3,063	5.7	13,094	13,692	14,532	17
Cattaraugus	816	851	908	6.7	9,566	9,951	10,640	56
Cayuga	837	888	916	3.2	10,521	11,177	11,465	48
Chautauqua	1,627	1,670	1,744	4.4	11,243	11,618	12,182	38
Chemung	1,066	1,096	1,153	5.2	11,526	12,003	12,735	33
Chenango	518	554	603	8.9	10,464	11,151	12,074	41
Clinton	793	850	903	6.2	9,815	10,464	11,115	50
Columbia	785	845	905	7.2	12,991	14,001	14,921	15
Cortland	464	485	512	5.7	9,783	10,244	10,799	54
Delaware	446	464	498	7.3	9,584	9,931	10,587	57
Dutchess	3,809	4,077	4,392	7.7	15,115	16,036	17,104	9
Erie	12,651	13,244	13,958	5.4	12,971	13,680	14,469	18
Essex	377	396	426	7.5	10,394	10,908	11,720	47
Franklin	406	433	457	5.5	9,301	9,930	10,422	59
Fulton	597	621	659	6.2	10,765	11,354	12,074	41
Genesee	711	743	776	4.5	12,059	12,689	13,194	26
Greene	464	496	528	6.5	11,281	11,811	12,530	34
Hamilton	55	59	64	8.0	11,365	11,968	12,797	31
Herkimer	688	718	756	5.2	10,332	10,734	11,290	49
Jefferson	902	977	1,077	10.2	10,252	11,011	11,880	44
Kings	26,781	28,232	30,325	7.4	11,755	12,322	13,224	25
Lewis	224	239	253	5.5	8,991	9,560	9,969	61
Livingston	659	714	758	6.2	11,407	12,335	12,937	30
Madison	724	765	808	5.6	10,973	11,563	12,135	40
Monroe	10,726	11,472	12,176	6.1	15,261	16,364	17,330	8
Montgomery	577	603	636	5.4	10,912	11,564	12,224	36
Nassau	26,479	28,266	30,605	8.3	19,928	21,344	23,133	3
New York	35,643	38,700	42,131	8.9	24,291	26,189	28,505	1
Niagara	2,672	2,819	2,931	4.0	12,301	13,003	13,516	22
Oneida	2,957	3,100	3,264	5.3	11,769	12,422	13,133	29
Onondaga	6,325	6,651	7,007	5.4	13,686	14,327	15,129	14
Ontario	1,132	1,213	1,277	5.3	12,438	13,285	13,856	20
Orange	3,660	3,980	4,278	7.5	13,424	14,418	15,186	13
Orleans	433	460	484	5.1	11,239	11,907	12,420	35
Oswego	1,285	1,357	1,454	7.1	10,928	11,438	12,159	39
Otsego	622	656	704	7.3	10,518	11,151	11,893	43
Putnam	1,329	1,456	1,570	7.9	16,632	18,074	19,250	5
Queens	28,368	29,656	31,714	6.9	14,707	15,359	16,489	11
Rensselaer	1,803	1,910	2,044	7.0	11,944	12,645	13,472	23
Richmond	5,667	6,116	6,601	7.9	15,435	16,501	17,622	7
Rockland	4,500	4,875	5,304	8.8	17,102	18,431	19,949	4
St. Lawrence	1,034	1,079	1,130	4.7	9,167	9,569	10,015	60
Saratoga	1,990	2,158	2,334	8.1	12,574	13,443	14,225	19
Schenectady	2,120	2,248	2,391	6.4	14,151	15,018	15,921	12
Schoharie	284	304	330	8.6	9,568	10,333	11,064	51
Schuyler	172	181	188	3.6	9,802	10,437	10,751	55
Seneca	386	402	422	5.0	11,802	12,349	13,138	28
Steuben	1,031	1,082	1,143	5.6	10,497	11,165	11,795	45
Suffolk	19,862	21,576	23,449	8.7	15,246	16,529	17,873	6
Sullivan	800	855	935	9.4	12,001	12,655	13,621	21
Tioga	585	605	652	7.8	11,706	11,922	12,784	32
Tompkins	898	955	1,030	7.9	10,234	10,880	11,755	46
Ulster	2,067	2,208	2,400	8.7	12,753	13,565	14,622	16
Warren	640	695	743	6.9	11,655	12,599	13,373	24
Washington	532	565	600	6.1	9,553	10,024	10,547	58
Wayne	1,015	1,101	1,158	5.2	11,722	12,712	13,166	27
Westchester	18,716	19,976	21,724	8.8	21,494	23,059	25,167	2
Wyoming	394	419	449	7.1	9,732	10,343	11,018	53
Yates	217	226	234	3.6	10,176	10,713	11,059	52
North Carolina	**67,851**	**73,098**	**78,745**	**7.7**	**10,999**	**11,676**	**12,438**	.....
Metropolitan portion	**41,240**	**44,937**	**48,650**	**8.3**	**12,216**	**13,075**	**13,964**	.....
Nonmetropolitan portion	**26,611**	**28,161**	**30,095**	**6.9**	**9,528**	**9,972**	**10,570**	.....
Alamance	1,203	1,290	1,403	8.8	11,830	12,604	13,704	9
Alexander	273	281	310	10.1	10,368	10,547	11,530	31
Alleghany	85	89	94	6.2	8,642	9,147	9,703	67
Anson	214	218	240	10.5	8,155	8,278	9,153	81
Ashe	188	202	215	6.1	8,098	8,635	9,163	80
Avery	121	129	139	7.8	8,081	8,615	9,272	77
Beaufort	403	424	440	3.7	9,486	9,782	10,006	60
Bertie	185	196	206	5.3	8,683	9,172	9,675	70
Bladen	251	250	266	6.3	8,143	8,115	8,632	90
Brunswick	367	414	457	10.3	8,461	9,079	9,624	71
Buncombe	1,870	2,006	2,139	6.6	11,244	11,912	12,587	19
Burke	751	786	847	7.7	10,040	10,390	11,095	40
Cabarrus	1,034	1,096	1,182	7.8	11,316	11,888	12,808	16
Caldwell	693	725	779	7.5	10,042	10,305	11,084	41
Camden	55	57	61	5.4	9,405	9,874	10,405	51
Carteret	466	519	569	9.6	9,906	10,638	11,190	37
Caswell	171	161	167	3.3	7,721	7,185	7,493	98
Catawba	1,302	1,394	1,524	9.3	11,738	12,364	13,312	12
Chatham	398	426	455	7.0	11,352	12,023	12,749	18
Cherokee	154	167	178	7.0	7,694	8,250	8,758	86
Chowan	120	128	135	5.4	9,216	9,751	10,106	56
Clay	55	58	63	8.5	7,791	8,323	8,742	87
Cleveland	864	898	962	7.1	10,171	10,416	11,126	39
Columbus	422	442	466	5.5	8,127	8,480	8,906	84
Craven	788	847	915	8.0	10,261	10,677	11,277	34
Cumberland	2,494	2,664	2,814	5.6	9,818	10,428	10,884	42
Currituck	120	126	140	11.1	9,292	9,724	10,562	49
Dare	163	184	217	18.1	10,075	10,643	11,575	28
Davidson	1,247	1,326	1,407	6.1	10,614	11,180	11,904	24
Davie	309	336	377	12.4	11,514	12,113	12,945	15
Duplin	316	323	373	15.3	7,580	7,760	8,905	85
Durham	2,044	2,270	2,462	8.4	12,835	14,040	14,786	6
Edgecombe	511	550	561	2.0	8,828	9,391	9,529	73
Forsyth	3,604	3,903	4,234	8.5	14,146	15,074	16,282	3
Franklin	273	307	326	5.9	8,575	9,378	9,551	72
Gaston	1,847	1,945	2,060	5.9	10,916	11,307	12,058	23
Gates	88	90	95	5.1	9,583	9,598	10,011	59
Graham	53	55	57	4.3	7,344	7,598	8,021	96
Granville	338	357	380	6.4	9,326	9,728	10,172	55
Greene	132	131	136	3.6	7,991	7,928	8,233	93
Guilford	4,458	4,809	5,162	7.3	13,712	14,707	15,733	4
Halifax	479	508	542	6.6	8,562	9,084	9,711	66
Harnett	502	551	578	4.9	8,099	8,726	8,974	82
Haywood	487	514	546	6.2	10,235	10,721	11,276	35
Henderson	788	839	902	7.5	12,149	12,669	13,413	11
Hertford	209	218	229	5.1	8,779	9,103	9,494	74
Hoke	146	152	165	8.6	6,576	6,730	7,097	100
Hyde	43	46	50	7.6	7,258	7,725	8,401	91
Iredell	1,003	1,066	1,163	9.2	11,604	12,194	13,130	13
Jackson	231	244	261	6.9	8,546	9,054	9,736	64
Johnston	730	788	824	4.7	9,734	10,248	10,559	50
Jones	77	81	79	−2.1	7,870	8,282	8,166	94
Lee	442	477	510	7.0	11,251	11,737	12,334	20
Lenoir	591	612	647	5.7	9,737	10,109	10,760	46
Lincoln	467	501	531	6.0	10,493	10,975	11,532	30
McDowell	314	323	343	6.2	8,666	8,892	9,453	75
Macon	218	233	249	6.6	9,555	10,107	10,820	44
Madison	135	141	145	2.2	7,841	8,216	8,291	92
Martin	249	262	274	4.5	9,324	9,830	10,321	52
Mecklenburg	6,186	6,837	7,568	10.7	14,271	15,423	16,786	1
Mitchell	127	135	141	4.3	8,822	9,280	9,735	65
Montgomery	207	217	236	9.0	8,751	9,108	9,846	63
Moore	660	733	801	9.2	12,204	13,365	14,339	7
Nash	800	861	938	8.9	11,408	12,144	13,130	13
New Hanover	1,209	1,335	1,461	9.4	10,959	11,891	12,796	17
Northampton	204	212	229	7.9	9,133	9,476	10,195	54
Onslow	1,094	1,193	1,267	6.2	9,108	9,725	10,013	58
Orange	1,029	1,162	1,271	9.4	12,756	14,074	15,032	5
Pamlico	98	108	114	6.0	9,090	9,769	10,223	53
Pasquotank	285	304	317	4.4	9,798	10,339	10,702	47
Pender	206	224	243	8.5	8,657	9,172	9,699	68
Perquimans	87	88	93	5.7	8,716	8,518	8,741	88
Person	269	290	306	5.3	8,950	9,592	9,966	61
Pitt	985	1,053	1,137	8.0	10,382	10,977	11,604	27
Polk	175	190	202	6.4	12,183	13,173	14,217	8
Randolph	1,004	1,081	1,141	5.5	10,434	11,105	11,563	29
Richmond	389	409	431	5.4	8,547	8,855	9,244	78
Robeson	780	796	838	5.2	7,395	7,505	7,899	97
Rockingham	918	961	1,011	5.2	10,774	11,243	11,821	25
Rowan	1,118	1,186	1,268	7.0	11,006	11,449	12,096	22
Rutherford	542	566	605	6.9	9,599	9,933	10,616	48
Sampson	420	431	461	7.0	8,323	8,541	9,171	79
Scotland	305	316	341	8.0	9,031	9,389	10,105	57
Stanly	528	551	594	7.8	10,572	10,972	11,810	26

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Stokes	346	369	387	4.8	9,896	10,426	10,820	44
Surry	623	666	697	4.8	10,289	10,922	11,274	36
Swain	75	82	88	6.4	6,952	7,680	8,027	95
Transylvania	267	288	298	3.4	10,702	11,247	11,327	33
Tyrrell	27	30	30	−.4	6,557	7,188	7,117	99
Union	898	986	1,084	10.0	11,733	12,607	13,594	10
Vance	334	359	382	6.6	8,835	9,355	9,881	62
Wake	4,886	5,554	6,091	9.7	14,441	15,680	16,666	2
Warren	135	140	144	3.3	8,206	8,503	8,672	89
Washington	126	126	134	6.0	8,686	8,683	9,299	76
Watauga	285	307	334	8.8	8,402	8,966	9,678	69
Wayne	969	1,000	1,065	6.5	9,825	10,122	10,882	43
Wilkes	602	621	677	9.1	9,942	10,208	11,168	38
Wilson	705	751	794	5.8	10,916	11,652	12,316	21
Yadkin	294	318	336	5.5	10,048	10,831	11,342	32
Yancey	113	125	142	13.9	7,339	7,968	8,950	83
North Dakota	**7,930**	**8,190**	**8,447**	**3.1**	**11,547**	**11,958**	**12,437**	.....
Metropolitan portion	**2,984**	**3,114**	**3,266**	**4.9**	**11,992**	**12,385**	**12,917**	.....
Nonmetropolitan portion	**4,947**	**5,076**	**5,181**	**2.1**	**11,294**	**11,710**	**12,153**	.....
Adams	43	41	45	8.7	12,146	11,265	12,548	22
Barnes	160	152	161	6.3	11,712	11,335	12,241	29
Benson	79	83	80	−3.1	10,095	10,607	10,310	48
Billings	16	14	16	14.4	12,595	11,034	12,803	21
Bottineau	108	126	121	−4.0	11,607	13,517	13,144	16
Bowman	51	47	53	12.4	11,793	10,904	12,431	26
Burke	44	43	51	17.3	11,727	11,759	14,007	3
Burleigh	758	786	810	3.0	12,841	13,135	13,422	14
Cass	1,209	1,273	1,344	5.6	12,802	13,208	13,788	10
Cavalier	90	105	95	−9.1	12,801	14,965	13,837	8
Dickey	80	83	85	1.9	11,294	11,822	12,141	31
Divide	40	38	50	32.6	11,771	11,322	15,443	1
Dunn	43	42	44	6.3	8,211	8,382	9,081	52
Eddy	39	41	44	5.9	11,712	12,709	13,811	9
Emmons	52	52	58	13.2	9,088	9,044	10,347	47
Foster	56	55	56	2.4	12,129	11,966	12,436	24
Golden Valley	30	28	33	16.8	11,436	11,236	13,461	12
Grand Forks	752	788	831	5.5	10,888	11,367	11,976	33
Grant	35	38	41	9.4	8,215	8,918	9,789	49
Griggs	41	46	43	−6.9	11,130	12,570	11,854	34
Hettinger	53	50	55	10.8	12,718	12,260	13,888	6
Kidder	30	28	34	21.4	7,718	7,446	9,167	51
La Moure	68	62	64	2.6	10,840	10,018	10,460	45
Logan	30	29	33	13.1	9,072	8,958	10,482	44
McHenry	76	84	83	−.7	9,899	11,007	11,111	42
McIntosh	48	48	54	13.9	10,476	10,498	12,161	30
McKenzie	88	86	88	1.9	10,095	10,033	10,387	46
McLean	142	154	158	2.9	11,029	12,291	12,944	19
Mercer	185	165	156	−5.5	12,599	11,321	11,258	41
Morton	264	267	281	5.2	10,070	10,310	10,961	43
Mountrail	78	85	101	18.6	9,594	10,554	12,509	23
Nelson	70	71	68	−3.1	13,654	14,066	13,971	5
Oliver	27	28	31	9.5	10,035	10,258	11,638	36
Pembina	134	138	137	−.3	12,975	13,288	13,325	15
Pierce	66	69	69	−.1	10,956	11,664	11,847	35
Ramsey	168	181	176	−2.7	12,882	13,944	13,755	11
Ransom	71	72	74	2.8	10,777	10,969	11,486	38
Renville	46	50	50	−1.7	12,505	13,806	13,991	4
Richland	210	228	235	3.1	10,800	12,022	12,391	27
Rolette	105	112	122	8.0	7,800	8,618	9,316	50
Sargent	63	69	64	−8.2	11,820	13,152	12,274	28
Sheridan	31	36	35	−1.9	11,432	13,404	13,445	13
Sioux	23	24	27	12.0	6,270	6,513	7,112	53
Slope	13	10	13	35.8	10,644	8,214	11,524	37
Stark	294	291	290	−.3	10,863	10,997	11,314	40
Steele	40	35	33	−7.8	13,458	12,212	11,441	39
Stutsman	283	287	303	5.6	11,870	12,089	12,976	18
Towner	54	59	53	−10.7	12,870	14,297	13,040	17
Traill	119	118	122	3.5	12,383	12,232	12,942	20
Walsh	199	207	218	5.1	12,635	13,317	14,181	2
Ward	682	724	736	1.7	11,016	11,716	12,015	32
Wells	89	93	94	1.9	12,778	13,469	13,883	7
Williams	352	350	327	−6.4	12,968	12,797	12,436	24
Ohio	**134,762**	**142,250**	**149,370**	**5.0**	**12,543**	**13,236**	**13,892**	.....
Metropolitan portion	**110,415**	**116,873**	**122,945**	**5.2**	**13,040**	**13,803**	**14,506**	.....
Nonmetropolitan portion	**24,347**	**25,376**	**26,425**	**4.1**	**10,693**	**11,128**	**11,605**	.....
Adams	177	181	186	3.2	7,257	7,380	7,549	88
Allen	1,305	1,376	1,474	7.1	11,863	12,461	13,342	19
Ashland	524	541	566	4.6	11,317	11,643	12,212	44
Ashtabula	1,071	1,105	1,148	3.9	10,546	10,883	11,344	58
Athens	474	499	532	6.6	8,271	8,665	9,231	83
Auglaize	489	526	551	4.7	11,288	12,059	12,624	38
Belmont	827	833	872	4.7	10,182	10,454	11,151	64
Brown	316	337	345	2.5	9,407	9,819	9,945	76
Butler	3,275	3,487	3,666	5.1	12,370	13,013	13,506	18
Carroll	247	264	270	2.4	9,298	9,901	10,068	73
Champaign	357	377	392	4.1	10,675	11,158	11,558	54
Clark	1,730	1,832	1,915	4.5	11,770	12,480	12,992	29
Clermont	1,478	1,625	1,693	4.2	10,853	11,740	12,043	46
Clinton	385	409	429	4.9	11,094	11,800	12,345	42
Columbiana	1,041	1,071	1,095	2.3	9,312	9,640	9,943	77
Coshocton	386	391	402	2.8	10,647	10,907	11,211	62
Crawford	523	540	547	1.2	10,629	10,987	11,165	63
Cuyahoga	21,699	22,739	23,926	5.2	14,834	15,640	16,554	1
Darke	602	637	664	4.2	11,164	11,788	12,292	43
Defiance	441	467	492	5.4	11,497	11,952	12,565	40
Delaware	720	799	842	5.3	12,714	13,915	14,266	13
Erie	945	1,008	1,044	3.6	12,164	13,024	13,543	17
Fairfield	1,133	1,217	1,273	4.6	11,863	12,637	13,077	27
Fayette	274	297	304	2.4	9,959	10,816	10,997	66
Franklin	11,914	12,843	13,739	7.0	13,363	14,304	15,148	5
Fulton	457	486	511	5.3	11,953	12,631	13,170	23
Gallia	293	304	314	3.3	9,759	10,096	10,523	71
Geauga	1,079	1,169	1,232	5.4	14,476	15,631	16,322	2
Greene	1,633	1,746	1,876	7.5	12,661	13,470	14,403	11
Guernsey	400	412	426	3.4	9,667	10,075	10,581	70
Hamilton	12,375	13,034	14,030	7.6	14,303	15,062	16,217	3
Hancock	934	973	1,036	6.6	14,252	14,752	15,731	4
Hardin	322	331	347	4.8	10,155	10,433	10,966	67
Harrison	165	152	157	3.5	9,724	9,094	9,600	79
Henry	350	362	370	2.3	12,341	12,729	13,005	28
Highland	337	352	375	6.3	9,856	10,240	10,814	68
Hocking	223	236	246	4.3	9,012	9,586	9,983	75
Holmes	240	248	261	5.2	7,898	8,094	8,687	87
Huron	639	688	715	3.9	11,622	12,546	12,970	31
Jackson	270	278	290	4.4	8,908	9,155	9,669	78
Jefferson	938	938	963	2.7	10,719	10,818	11,240	61
Knox	507	535	552	3.3	10,732	11,244	11,605	52
Lake	2,930	3,098	3,206	3.5	13,728	14,579	15,088	6
Lawrence	534	554	557	.5	8,435	8,868	8,956	85
Licking	1,478	1,562	1,649	5.6	11,930	12,536	13,151	25
Logan	427	450	475	5.6	10,777	11,275	11,825	47
Lorain	3,081	3,280	3,296	.5	11,377	12,137	12,178	45
Lucas	6,142	6,485	6,850	5.6	13,259	14,018	14,822	8
Madison	354	390	394	1.1	10,298	11,218	11,312	59
Mahoning	3,203	3,362	3,445	2.4	11,412	12,058	12,454	41
Marion	696	709	724	2.0	10,461	10,732	11,082	65
Medina	1,491	1,595	1,678	5.2	12,911	13,764	14,364	12
Meigs	205	214	221	3.3	8,656	8,976	9,241	82
Mercer	471	484	520	7.3	12,227	12,468	13,337	20
Miami	1,086	1,174	1,220	3.9	12,194	13,181	13,618	16
Monroe	174	177	184	4.4	10,415	10,742	11,386	57
Montgomery	7,503	8,031	8,477	5.6	13,301	14,213	14,970	7
Morgan	140	147	151	3.0	9,879	10,331	10,609	69
Morrow	260	278	278	7.2	9,716	10,294	10,309	72
Muskingum	891	929	963	3.7	10,561	11,029	11,445	55
Noble	105	109	109	−.2	9,359	9,504	9,419	81
Ottawa	521	558	583	4.6	13,108	14,017	14,607	10
Paulding	225	235	245	4.4	10,824	11,276	11,712	51
Perry	285	295	305	3.2	9,063	9,317	9,592	80
Pickaway	455	493	509	3.4	10,676	10,958	11,389	56
Pike	205	217	227	4.4	8,218	8,640	9,058	84
Portage	1,570	1,655	1,726	4.3	11,491	12,119	12,597	39
Preble	425	443	462	4.2	10,971	11,349	11,743	49
Putnam	395	412	442	7.4	11,791	12,352	13,234	22
Richland	1,534	1,633	1,695	3.8	11,852	12,617	13,160	24
Ross	692	738	760	2.9	10,261	10,884	11,292	60
Sandusky	789	817	867	6.2	12,657	13,139	13,928	14
Scioto	757	788	823	4.5	8,973	9,458	10,003	74
Seneca	694	705	723	2.5	11,278	11,392	11,742	50
Shelby	497	536	565	5.4	11,438	12,229	12,838	34
Stark	4,584	4,757	4,896	2.9	12,202	12,702	13,108	26
Summit	6,716	7,108	7,496	5.5	13,109	13,971	14,762	9
Trumbull	2,875	2,945	2,999	1.9	12,186	12,544	12,847	33
Tuscarawas	954	976	1,008	3.3	11,143	11,393	11,791	48
Union	361	383	404	5.4	11,826	12,420	12,972	30
Van Wert	356	370	380	2.6	11,879	12,303	12,670	37
Vinton	96	94	99	5.6	8,279	8,205	8,746	86
Warren	1,173	1,276	1,338	4.9	11,479	12,387	12,805	35
Washington	684	723	744	2.8	10,568	11,210	11,588	53
Wayne	1,181	1,235	1,302	5.4	11,880	12,317	12,867	32
Williams	446	457	488	6.9	12,267	12,461	13,281	21
Wood	1,360	1,452	1,530	5.4	12,529	13,269	13,879	15
Wyandot	267	278	287	3.3	11,825	12,279	12,718	36
Oklahoma	**38,824**	**40,266**	**40,722**	**1.1**	**11,720**	**12,179**	**12,320**	.....
Metropolitan portion	**24,768**	**25,757**	**25,931**	**.7**	**12,892**	**13,371**	**13,402**	.....
Nonmetropolitan portion	**14,056**	**14,509**	**14,790**	**1.9**	**10,102**	**10,516**	**10,793**	.....
Adair	134	140	156	10.8	6,879	7,132	7,851	74
Alfalfa	98	94	98	4.2	13,691	13,509	14,270	8
Atoka	94	98	99	.8	6,817	7,018	7,190	77
Beaver	94	95	102	8.3	12,609	12,711	13,863	11
Beckham	216	228	225	−1.2	9,065	9,991	10,271	48
Blaine	157	158	166	4.6	11,038	11,427	12,200	19
Bryan	283	293	305	4.1	8,684	8,886	9,148	62
Caddo	323	327	341	4.3	9,433	9,692	10,198	49

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Canadian	887	928	936	.9	12,790	13,048	12,822	15
Carter	554	578	580	.3	11,706	12,180	12,206	18
Cherokee	257	275	296	7.5	7,585	8,003	8,496	67
Choctaw	130	135	138	2.6	7,783	8,247	8,341	69
Cimarron	66	82	81	−.4	16,329	20,388	20,717	1
Cleveland	1,947	2,046	2,072	1.3	12,411	12,890	12,807	16
Coal	45	48	49	.8	7,505	8,085	8,179	72
Comanche	1,168	1,239	1,271	2.6	9,592	10,267	10,528	44
Cotton	68	75	79	5.5	9,294	10,620	11,271	30
Craig	160	169	176	4.1	10,399	10,981	11,644	23
Creek	728	758	753	−.6	10,607	10,922	10,878	35
Custer	329	330	342	3.7	10,607	10,850	11,380	28
Delaware	218	235	255	8.5	7,976	8,416	9,091	63
Dewey	79	79	83	4.9	12,005	12,525	13,293	14
Ellis	74	74	79	6.3	11,886	12,591	13,982	10
Garfield	872	865	858	−.9	13,222	13,437	13,642	12
Garvin	331	344	342	−.5	10,860	11,468	11,498	25
Grady	474	482	479	−.6	10,557	10,697	10,747	38
Grant	102	92	106	16.2	15,082	13,783	16,288	3
Greer	66	68	72	4.5	9,143	9,717	10,386	47
Harmon	41	42	47	11.4	8,850	9,322	10,643	43
Harper	65	68	73	7.7	13,266	14,291	15,705	4
Haskell	98	104	109	4.7	8,288	8,742	9,259	61
Hughes	118	120	120	.5	7,811	8,131	8,320	70
Jackson	299	317	331	4.3	9,438	10,160	10,732	39
Jefferson	78	77	79	2.3	9,463	9,540	10,060	50
Johnston	79	82	85	3.6	7,235	7,498	7,737	75
Kay	758	758	759	7.1	14,184	14,370	14,541	7
Kingfisher	187	187	195	4.2	11,353	11,596	12,366	17
Kiowa	141	144	147	2.2	10,642	11,363	11,865	20
Latimer	78	83	86	3.8	7,528	7,940	8,064	73
Le Flore	362	382	399	4.6	8,307	8,688	8,976	64
Lincoln	288	292	290	−.5	9,644	9,681	9,692	59
Logan	322	330	324	−2.0	10,385	10,621	10,409	45
Love	81	83	85	1.9	10,083	10,462	10,700	40
McClain	252	265	266	.2	10,411	10,750	10,661	42
McCurtain	273	280	308	10.1	7,541	7,675	8,503	66
McIntosh	134	142	147	3.4	7,790	8,112	8,277	71
Major	110	106	107	1.1	11,565	11,370	11,802	22
Marshall	108	112	115	2.2	9,380	9,729	9,744	56
Mayes	328	335	343	2.4	9,140	9,530	9,813	54
Murray	123	129	128	−.4	9,188	9,826	9,769	55
Muskogee	716	749	774	3.4	10,111	10,605	11,021	32
Noble	130	131	136	3.7	10,937	11,071	11,594	24
Nowata	108	112	110	−2.0	9,290	9,982	10,003	52
Okfuskee	99	102	102	.3	8,315	8,740	8,815	65
Oklahoma	8,732	8,982	8,990	9.5	13,903	14,229	14,263	9
Okmulgee	363	385	388	.8	8,963	9,615	9,700	58
Osage	429	435	450	3.2	10,255	10,551	10,936	34
Ottawa	323	335	326	−2.9	9,481	9,841	9,595	60
Pawnee	180	188	191	2.0	10,647	11,069	11,075	31
Payne	619	651	674	3.6	9,347	9,996	10,393	46
Pittsburg	384	405	426	5.0	8,898	9,311	9,703	57
Pontotoc	364	374	376	.5	10,425	10,673	10,783	37
Pottawatomie	675	691	680	−1.5	10,885	11,111	10,987	33
Pushmataha	82	85	89	5.0	6,739	6,934	7,409	76
Roger Mills	49	54	55	3.6	8,167	9,444	9,918	53
Rogers	616	642	659	2.8	11,378	11,634	11,837	21
Seminole	296	303	292	−3.8	10,151	10,409	10,052	51
Sequoyah	263	279	294	5.6	7,851	8,133	8,436	68
Stephens	519	534	510	−4.5	11,357	11,881	11,448	26
Texas	242	271	276	1.9	13,197	14,889	15,311	5
Tillman	109	120	123	2.6	9,228	10,321	10,865	36
Tulsa	7,371	7,761	7,841	1.0	14,337	15,158	15,165	6
Wagoner	507	536	539	.5	10,176	10,690	10,684	41
Washington	836	845	798	−5.6	17,529	18,209	17,769	2
Washita	146	141	155	9.5	9,687	9,985	11,338	29
Woods	138	131	141	8.1	12,566	12,322	13,612	13
Woodward	256	254	248	−2.4	11,161	11,322	11,381	27
Oregon	**32,302**	**34,113**	**36,027**	**5.6**	**12,069**	**12,701**	**13,354**	.....
Metropolitan portion	**22,869**	**24,227**	**25,652**	**5.9**	**12,741**	**13,427**	**14,110**	.....
Nonmetropolitan portion	**9,433**	**9,887**	**10,375**	**4.9**	**10,700**	**11,216**	**11,793**	.....
Baker	160	164	168	2.6	9,894	10,349	10,838	34
Benton	787	825	899	8.9	11,985	12,721	13,912	7
Clackamas	3,464	3,702	3,936	6.3	13,829	14,630	15,322	4
Clatsop	372	413	433	4.9	11,467	12,620	13,288	8
Columbia	395	412	424	2.8	10,816	11,212	11,495	29
Coos	638	670	704	5.2	10,359	11,059	11,761	22
Crook	145	153	159	4.3	11,054	11,632	12,089	18
Curry	186	195	208	6.6	11,106	11,696	12,320	14
Deschutes	726	788	834	5.9	11,141	11,802	12,147	16
Douglas	1,003	1,037	1,093	5.4	10,723	11,140	11,733	23
Gilliam	28	26	30	15.4	14,383	13,534	16,359	2
Grant	84	90	92	3.2	10,131	10,748	11,045	32
Harney	79	81	83	3.0	10,440	10,921	11,355	30
Hood River	190	207	211	2.2	11,508	12,602	13,009	9
Jackson	1,485	1,565	1,663	6.2	10,899	11,308	11,880	20
Jefferson	129	133	144	8.7	10,450	10,583	11,731	24
Josephine	597	639	671	5.0	9,488	9,589	9,841	36
Klamath	608	634	650	2.5	10,446	10,957	11,305	31
Lake	87	89	91	1.8	11,113	11,621	12,274	15
Lane	2,968	3,112	3,268	5.0	11,140	11,794	12,419	13
Lincoln	408	435	464	6.6	11,131	11,897	12,643	10
Linn	907	951	976	2.6	10,025	10,638	10,961	33
Malheur	274	273	291	6.7	9,461	9,468	10,260	35
Marion	2,368	2,523	2,678	6.2	11,164	11,804	12,436	12
Morrow	100	106	113	6.7	12,565	13,046	13,957	6
Multnomah	7,649	8,091	8,483	4.8	13,586	14,349	14,962	5
Polk	481	523	547	4.5	10,612	11,573	11,692	25
Sherman	38	34	38	13.2	17,159	15,360	18,009	1
Tillamook	218	235	246	4.6	10,053	11,023	11,669	26
Umatilla	645	673	702	4.3	10,543	11,111	11,654	28
Union	270	272	280	2.9	10,935	11,215	11,809	21
Wallowa	81	80	84	5.2	10,565	10,678	11,669	26
Wasco	263	256	269	5.2	11,847	11,588	12,608	11
Washington	3,823	4,047	4,378	8.2	14,492	15,090	16,133	3
Wheeler	17	17	18	1.6	11,098	11,635	12,030	19
Yamhill	632	663	698	5.4	10,977	11,442	12,145	17
Pennsylvania	**151,386**	**160,734**	**169,387**	**5.4**	**12,731**	**13,548**	**14,247**	.....
Metropolitan portion	**132,079**	**140,464**	**148,264**	**5.6**	**13,136**	**13,998**	**14,740**	.....
Nonmetropolitan portion	**19,307**	**20,270**	**21,124**	**4.2**	**10,514**	**11,082**	**11,541**	.....
Adams	826	885	952	7.5	11,841	12,595	13,371	15
Allegheny	19,808	20,716	21,769	5.1	14,057	14,952	15,848	5
Armstrong	860	922	948	2.8	10,930	11,765	12,074	32
Beaver	2,215	2,258	2,211	−2.1	11,180	11,579	11,443	43
Bedford	438	455	483	6.1	9,162	9,589	10,118	63
Berks	4,547	4,792	5,036	5.1	14,295	15,046	15,689	6
Blair	1,345	1,439	1,514	5.2	10,070	10,823	11,429	44
Bradford	628	673	707	5.0	9,837	10,540	10,997	51
Bucks	7,376	8,128	8,619	6.0	14,540	15,830	16,510	4
Butler	1,733	1,833	1,887	2.9	11,509	12,194	12,487	27
Cambria	1,810	1,850	1,914	3.5	10,187	10,575	11,052	50
Cameron	62	65	67	3.3	9,432	9,970	10,377	58
Carbon	596	633	651	2.9	11,058	11,747	11,975	35
Centre	1,193	1,264	1,362	7.8	10,527	11,063	11,889	36
Chester	5,339	5,827	6,248	7.2	15,961	17,393	18,424	2
Clarion	442	455	473	4.0	10,320	10,656	11,105	48
Clearfield	864	884	913	3.3	10,396	10,689	11,120	46
Clinton	362	370	389	5.2	9,487	9,732	10,230	61
Columbia	629	666	698	4.8	10,236	10,906	11,386	45
Crawford	895	940	965	2.7	10,020	10,679	11,066	49
Cumberland	2,406	2,602	2,792	7.3	12,866	13,848	14,702	10
Dauphin	3,007	3,185	3,391	6.5	12,763	13,459	14,327	12
Delaware	8,604	9,339	9,923	6.3	15,572	16,806	17,701	3
Elk	460	464	473	1.8	12,242	12,384	12,622	24
Erie	3,174	3,359	3,497	4.1	11,253	12,046	12,524	25
Fayette	1,573	1,602	1,622	1.3	9,954	10,219	10,414	57
Forest	47	49	50	2.4	9,392	9,952	10,341	59
Franklin	1,307	1,397	1,462	4.7	11,169	11,885	12,323	29
Fulton	127	136	135	−.2	9,328	9,829	9,685	66
Greene	395	403	428	6.2	9,612	9,851	10,495	56
Huntingdon	375	392	415	5.7	8,773	9,167	9,672	67
Indiana	917	959	1,014	5.7	9,908	10,376	10,969	54
Jefferson	522	539	558	3.5	10,719	11,158	11,534	41
Juniata	204	217	230	6.1	10,237	10,880	11,467	42
Lackawanna	2,597	2,775	2,934	5.7	11,569	12,422	13,157	18
Lancaster	4,967	5,359	5,777	7.8	12,988	13,836	14,680	11
Lawrence	1,067	1,102	1,133	2.9	10,129	10,706	11,119	47
Lebanon	1,247	1,327	1,400	5.5	11,223	11,901	12,509	26
Lehigh	3,942	4,193	4,415	5.3	14,221	15,004	15,685	7
Luzerne	3,755	3,988	4,215	5.7	11,194	11,997	12,729	23
Lycoming	1,272	1,342	1,424	6.1	10,857	11,535	12,237	30
McKean	538	557	578	3.7	10,984	11,553	12,204	31
Mercer	1,372	1,409	1,443	2.4	10,892	11,365	11,680	38
Mifflin	435	456	479	5.1	9,395	9,836	10,321	60
Monroe	894	1,007	1,067	5.9	11,677	12,733	12,907	20
Montgomery	12,196	13,223	14,230	7.6	18,475	19,920	21,174	1
Montour	213	230	246	6.9	12,583	13,786	14,728	9
Northampton	2,979	3,171	3,274	3.2	12,939	13,682	13,984	13
Northumberland	1,010	1,045	1,093	4.6	10,073	10,491	10,997	51
Perry	391	423	451	6.5	10,469	11,142	11,623	39
Philadelphia	19,388	20,489	21,673	5.8	11,752	12,436	13,192	17
Pike	256	289	308	6.5	12,543	13,602	13,782	14
Potter	162	171	181	5.4	8,855	9,399	9,858	65
Schuylkill	1,720	1,794	1,874	4.5	10,950	11,454	11,985	34
Snyder	416	437	471	7.6	11,815	12,321	13,217	16
Somerset	820	839	874	4.2	10,016	10,307	10,802	55
Sullivan	58	61	64	4.8	9,301	9,781	10,228	62
Susquehanna	381	416	439	5.4	9,788	10,577	10,992	53
Tioga	367	386	402	4.0	9,139	9,568	9,928	64
Union	353	376	402	6.9	10,281	10,933	11,605	40
Venango	747	774	796	2.9	11,734	12,335	12,818	22
Warren	544	581	595	2.5	11,454	12,481	12,838	21
Washington	2,487	2,581	2,650	2.7	11,494	12,091	12,473	28

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Wayne	402	442	467	5.6	10,677	11,602	12,059	33
Westmoreland	4,650	4,796	4,957	3.4	12,000	12,499	13,009	19
Wyoming	283	308	330	7.0	10,325	11,185	11,858	37
York	4,390	4,687	4,949	5.6	13,640	14,511	15,156	8
Rhode Island	**12,505**	**13,265**	**14,195**	**7.0**	**13,024**	**13,720**	**14,560**	.....
Metropolitan portion	**11,337**	**11,997**	**12,803**	**6.7**	**12,932**	**13,591**	**14,385**	.....
Nonmetropolitan portion	**1,168**	**1,268**	**1,392**	**9.7**	**13,993**	**15,076**	**16,404**	.....
Bristol	680	730	810	11.1	14,465	15,419	17,003	1
Kent	2,123	2,253	2,410	6.9	13,527	14,273	15,112	4
Newport	1,168	1,268	1,392	9.7	13,993	15,076	16,404	2
Providence	7,214	7,592	8,044	6.0	12,529	13,118	13,828	5
Washington	1,321	1,422	1,540	8.3	13,620	14,392	15,204	3
South Carolina	**33,476**	**35,797**	**38,102**	**6.4**	**10,158**	**10,739**	**11,287**	.....
Metropolitan portion	**21,386**	**22,987**	**24,561**	**6.9**	**10,802**	**11,481**	**12,082**	.....
Nonmetropolitan portion	**12,090**	**12,810**	**13,541**	**5.7**	**9,190**	**9,621**	**10,085**	.....
Abbeville	197	206	219	6.4	8,657	9,092	9,685	26
Aiken	1,253	1,359	1,431	5.3	11,129	11,757	12,074	7
Allendale	83	89	91	2.5	7,810	8,400	8,563	40
Anderson	1,383	1,452	1,537	5.9	9,997	10,411	10,922	16
Bamberg	132	135	140	3.6	7,172	7,427	7,701	42
Barnwell	194	208	218	4.5	9,558	10,093	10,388	20
Beaufort	949	1,069	1,151	7.7	12,132	13,294	13,843	1
Berkeley	1,016	1,115	1,204	7.9	9,002	9,426	9,726	25
Calhoun	112	113	118	4.1	9,253	9,301	9,672	27
Charleston	3,103	3,287	3,466	5.4	10,673	11,501	12,106	6
Cherokee	423	452	486	7.7	10,384	11,011	11,849	9
Chester	271	281	292	4.0	8,879	9,177	9,523	28
Chesterfield	339	351	382	8.7	8,816	9,099	9,884	24
Clarendon	201	208	213	2.5	7,198	7,418	7,559	44
Colleton	270	283	298	5.3	8,034	8,314	8,625	39
Darlington	549	570	597	4.7	8,558	8,860	9,285	33
Dillon	228	238	253	6.3	7,080	7,304	7,819	41
Dorchester	706	767	813	6.0	10,082	10,528	10,748	18
Edgefield	150	160	164	2.7	8,389	8,946	9,097	35
Fairfield	188	200	210	5.3	8,976	9,406	9,911	23
Florence	1,096	1,162	1,227	5.6	9,580	10,045	10,576	19
Georgetown	439	440	468	6.5	9,505	9,512	9,963	22
Greenville	3,512	3,784	4,098	8.3	11,707	12,487	13,378	2
Greenwood	622	641	685	6.8	10,828	11,052	11,804	10
Hampton	159	162	169	3.9	8,513	8,716	8,943	37
Horry	1,245	1,368	1,470	7.5	10,325	10,816	11,255	13
Jasper	123	130	139	7.3	8,247	8,706	9,305	32
Kershaw	434	452	478	5.8	10,521	10,731	11,220	14
Lancaster	525	542	562	3.6	9,549	9,785	10,222	21
Laurens	522	548	583	6.4	9,878	10,302	10,904	17
Lee	126	133	131	−1.7	6,751	7,131	6,950	46
Lexington	1,751	1,993	2,173	9.1	11,393	12,553	12,778	4
McCormick	65	67	69	2.0	8,719	9,146	9,420	31
Marion	274	286	303	5.8	7,864	8,244	8,758	38
Marlboro	230	232	237	2.4	7,135	7,248	7,479	45
Newberry	338	349	366	4.8	10,608	10,942	11,401	12
Oconee	524	579	616	6.4	10,335	11,177	11,599	11
Orangeburg	713	761	803	5.5	8,396	8,807	9,189	34
Pickens	846	915	973	6.3	10,022	10,700	11,114	15
Richland	3,168	3,343	3,572	6.9	11,341	12,064	13,009	3
Saluda	142	148	155	4.9	8,332	8,623	9,038	36
Spartanburg	2,269	2,398	2,554	6.5	10,871	11,329	12,012	8
Sumter	799	853	899	5.3	8,576	9,035	9,461	30
Union	258	279	288	3.3	8,359	9,134	9,518	29
Williamsburg	269	278	290	4.5	6,983	7,187	7,579	43
York	1,283	1,412	1,513	7.2	11,184	11,935	12,527	5
South Dakota	**7,483**	**7,813**	**8,357**	**7.0**	**10,612**	**11,032**	**11,804**	.....
Metropolitan portion	**2,369**	**2,496**	**2,642**	**5.9**	**12,212**	**12,613**	**13,239**	.....
Nonmetropolitan portion	**5,114**	**5,318**	**5,715**	**7.5**	**10,004**	**10,419**	**11,240**	.....
Aurora	28	29	34	17.7	8,025	8,380	10,075	51
Beadle	210	221	229	4.0	11,354	12,004	12,539	15
Bennett	28	25	32	26.4	8,401	7,575	9,411	57
Bon Homme	69	78	81	4.5	9,956	11,340	11,992	23
Brookings	232	253	264	4.4	9,288	10,263	10,737	46
Brown	422	454	476	5.0	11,463	12,354	12,980	11
Brule	54	55	61	10.8	9,967	10,070	11,132	39
Buffalo	10	10	11	19.2	5,925	5,576	6,976	64
Butte	85	79	88	11.0	10,191	9,634	10,680	47
Campbell	26	19	27	40.6	11,403	8,474	12,201	20
Charles Mix	84	90	96	7.0	8,853	9,537	10,254	50
Clark	57	64	66	3.1	11,563	13,203	13,736	6
Clay	120	138	142	2.7	9,022	10,554	11,068	42
Codington	224	235	249	6.1	10,171	10,495	11,077	41
Corson	36	29	37	25.7	7,070	5,776	7,349	63
Custer	69	71	76	6.6	10,338	10,359	10,941	44
Davison	189	198	210	6.0	10,577	11,226	12,054	22
Day	86	84	89	6.2	10,869	10,638	11,383	33
Deuel	42	46	51	10.4	8,005	9,053	10,018	52
Dewey	39	34	42	22.6	7,215	6,214	7,641	62
Douglas	32	33	37	13.4	8,238	8,367	9,429	56
Edmunds	50	44	56	28.0	10,201	8,797	11,318	34
Fall River	89	89	91	2.1	11,168	11,368	11,737	24
Faulk	39	33	40	22.4	12,294	10,633	13,070	9
Grant	92	99	104	5.2	9,792	10,762	11,686	28
Gregory	56	54	63	15.8	9,489	9,289	10,920	45
Haakon	37	29	39	36.0	12,887	9,911	13,892	4
Hamlin	49	52	54	3.8	9,374	9,919	10,259	49
Hand	54	53	63	19.5	11,326	11,054	13,514	8
Hanson	24	28	29	2.1	7,281	8,590	8,812	59
Harding	20	13	20	56.5	10,897	7,100	11,218	36
Hughes	177	181	188	3.9	11,991	12,124	12,599	13
Hutchinson	82	97	101	4.4	9,003	10,925	11,722	27
Hyde	21	16	22	38.5	10,540	8,194	11,538	31
Jackson	25	17	26	52.9	7,440	5,087	7,838	61
Jerauld	24	25	28	11.7	8,592	8,742	9,910	53
Jones	24	19	20	9.3	15,809	12,594	13,825	5
Kingsbury	66	76	74	−1.6	10,111	11,707	11,727	26
Lake	106	120	126	5.3	9,913	11,087	11,678	29
Lawrence	201	208	219	4.9	10,533	10,810	11,247	35
Lincoln	149	176	176	−.1	10,448	12,243	12,271	19
Lyman	41	32	42	29.1	10,533	8,447	11,181	38
McCook	58	66	68	3.8	9,281	10,681	11,208	37
McPherson	35	31	40	30.2	9,327	8,293	11,013	43
Marshall	59	68	64	−6.6	11,271	13,284	12,680	12
Meade	209	210	231	10.2	9,279	9,088	9,842	55
Mellette	17	16	19	25.3	7,418	6,712	8,463	60
Miner	33	37	40	10.7	9,112	10,344	11,659	30
Minnehaha	1,495	1,590	1,677	5.5	12,615	13,084	13,675	7
Moody	63	74	74	.3	9,190	10,989	11,105	40
Pennington	874	906	965	6.5	11,579	11,864	12,544	14
Perkins	57	51	61	19.2	12,169	10,834	13,068	10
Potter	48	40	53	31.4	12,785	10,746	14,332	2
Roberts	95	108	108	4.8	8,716	9,853	9,854	54
Sanborn	26	30	31	2.1	8,517	9,985	10,261	48
Shannon	45	46	49	5.9	3,979	3,708	3,855	66
Spink	114	121	126	4.3	12,739	13,583	14,123	3
Stanley	30	28	32	15.0	11,937	11,020	12,173	21
Sully	41	34	41	21.7	21,815	18,247	21,265	1
Todd	43	41	45	9.7	5,987	6,121	6,648	65
Tripp	77	69	83	21.1	10,647	9,482	11,529	32
Turner	87	108	108	.5	9,602	12,117	12,449	18
Union	110	136	131	−3.5	10,285	12,998	12,527	16
Walworth	80	73	84	14.3	11,858	10,941	12,491	17
Yankton	196	208	221	6.0	10,267	10,989	11,734	25
Ziebach	21	18	23	27.5	8,622	7,159	9,023	58
Tennessee	**50,360**	**53,864**	**57,609**	**7.0**	**10,649**	**11,298**	**11,995**	.....
Metropolitan portion	**36,330**	**39,118**	**42,035**	**7.5**	**11,544**	**12,316**	**13,107**	.....
Nonmetropolitan portion	**14,030**	**14,747**	**15,574**	**5.6**	**8,870**	**9,267**	**9,760**	.....
Anderson	769	803	845	5.2	11,111	11,653	12,282	7
Bedford	294	309	331	6.9	10,271	10,719	11,350	16
Benton	134	141	145	2.8	8,911	9,337	9,610	49
Bledsoe	69	73	77	4.8	7,283	7,611	7,994	80
Blount	881	930	989	6.3	10,894	11,392	11,893	10
Bradley	709	765	821	7.4	10,032	10,667	11,361	15
Campbell	276	287	300	4.5	7,776	8,059	8,436	76
Cannon	96	103	106	3.0	9,070	9,559	9,833	45
Carroll	256	258	271	5.0	9,017	9,153	9,629	48
Carter	411	431	450	4.4	7,941	8,398	8,771	70
Cheatham	217	248	245	−1.3	9,339	10,351	9,907	39
Chester	106	112	116	3.7	8,305	8,740	8,970	63
Claiborne	222	231	241	4.5	8,407	8,594	8,953	65
Clay	53	58	61	5.4	6,717	7,305	7,705	84
Cocke	212	217	229	5.6	7,247	7,410	7,839	82
Coffee	423	455	491	8.0	10,505	11,158	11,890	11
Crockett	119	129	133	2.9	8,406	9,026	9,347	55
Cumberland	270	290	311	7.2	8,853	9,318	9,802	46
Davidson	6,464	7,010	7,754	10.6	13,234	14,248	15,572	2
Decatur	90	92	97	5.7	8,203	8,252	8,807	69
DeKalb	131	135	141	4.7	9,338	9,519	9,836	44
Dickson	316	349	367	5.3	10,040	10,936	11,301	19
Dyer	336	356	362	1.8	9,806	10,346	10,483	28
Fayette	207	225	245	8.9	8,230	8,792	9,526	52
Fentress	98	104	107	2.3	6,318	6,702	6,784	93
Franklin	291	309	336	8.5	8,709	9,263	9,953	37
Gibson	475	486	505	4.1	9,709	9,938	10,373	29
Giles	262	259	271	4.9	10,498	10,344	10,936	22
Grainger	117	120	123	2.7	6,767	6,927	7,087	91
Greene	495	527	559	6.0	8,810	9,337	9,887	40
Grundy	105	108	116	7.3	7,413	7,462	8,020	79
Hamblen	451	480	512	6.6	8,471	9,073	9,665	47
Hamilton	3,397	3,641	3,926	7.8	11,911	12,805	13,810	4
Hancock	40	40	41	2.1	5,758	5,859	6,040	95
Hardeman	176	190	199	4.7	7,444	7,935	8,265	77
Hardin	181	191	206	7.7	8,093	8,551	9,255	57
Hawkins	359	376	389	3.3	8,010	8,318	8,618	74
Haywood	158	174	188	7.6	7,685	8,410	9,029	61
Henderson	189	194	206	6.1	8,605	8,652	9,163	59
Henry	294	289	294	2.0	10,101	9,856	10,067	34

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Hickman	136	148	152	3.1	8,647	9,265	9,302	56
Houston	58	63	63	−.6	8,312	8,988	8,883	67
Humphreys	149	155	158	1.8	9,395	9,729	9,854	42
Jackson	66	68	71	4.0	7,037	7,352	7,654	87
Jefferson	279	293	308	5.1	8,223	8,872	9,229	58
Johnson	96	102	104	2.3	6,762	7,262	7,361	89
Knox	3,808	4,053	4,372	7.9	11,544	12,306	13,271	5
Lake	54	55	58	7.0	6,600	6,941	7,758	83
Lauderdale	200	211	221	5.1	8,110	8,455	8,901	66
Lawrence	332	342	351	2.8	9,568	9,817	10,054	35
Lewis	65	71	72	.5	6,255	6,864	6,893	92
Lincoln	249	272	286	5.4	9,344	10,082	10,562	27
Loudon	284	295	310	5.1	9,445	9,721	10,182	33
McMinn	394	416	445	6.9	9,165	9,640	10,298	31
McNairy	184	200	212	6.4	7,905	8,513	9,039	60
Macon	133	133	138	3.6	8,442	8,369	8,715	71
Madison	775	824	877	6.5	10,112	10,589	11,235	20
Marion	208	222	233	4.9	8,444	8,987	9,409	54
Marshall	222	226	237	4.9	10,909	10,929	11,349	17
Maury	530	557	596	7.0	10,135	10,456	11,052	21
Meigs	64	66	71	6.9	8,260	8,499	8,960	64
Monroe	230	246	263	7.0	7,664	8,141	8,619	73
Montgomery	843	911	967	6.1	9,681	10,139	10,609	26
Moore	42	42	45	5.8	8,600	8,459	9,014	62
Morgan	117	122	129	5.6	6,838	7,233	7,701	85
Obion	336	349	374	7.0	10,122	10,512	11,312	18
Overton	120	123	130	5.4	6,701	6,918	7,276	90
Perry	57	59	61	4.1	8,717	9,052	9,530	51
Pickett	27	29	30	2.7	5,967	6,401	6,577	94
Polk	118	124	131	6.2	8,571	9,060	9,579	50
Putnam	465	502	544	8.2	9,268	9,917	10,630	23
Rhea	230	246	264	7.6	9,278	9,958	10,623	24
Roane	508	528	562	6.6	10,201	10,614	11,379	14
Robertson	360	383	395	3.1	9,314	9,704	9,861	41
Rutherford	1,014	1,151	1,246	8.3	10,700	11,670	12,126	8
Scott	139	148	155	5.1	6,806	7,127	7,494	88
Sequatchie	64	69	73	6.1	7,334	7,735	8,131	78
Sevier	428	447	476	6.6	9,316	9,588	10,194	32
Shelby	9,859	10,556	11,339	7.4	12,406	13,135	14,006	3
Smith	142	150	156	3.4	9,732	10,349	10,623	24
Stewart	76	82	82	.2	8,365	8,836	8,831	68
Sullivan	1,521	1,629	1,718	5.4	10,439	11,189	11,739	12
Sumner	1,035	1,143	1,219	6.7	11,286	12,169	12,612	6
Tipton	315	338	353	4.7	9,074	9,594	9,842	43
Trousdale	53	54	51	−6.1	9,301	9,267	8,606	75
Unicoi	151	154	159	3.2	8,960	9,126	9,416	53
Union	86	90	94	4.7	7,071	7,341	7,676	86
Van Buren	35	36	38	5.1	7,262	7,468	7,980	81
Warren	308	320	342	6.8	9,251	9,559	10,325	30
Washington	967	1,032	1,083	4.9	10,524	11,148	11,639	13
Wayne	117	118	122	3.9	8,318	8,325	8,650	72
Weakley	291	307	330	7.3	8,765	9,241	9,964	36
White	185	193	200	4.0	9,324	9,695	9,945	38
Williamson	1,016	1,164	1,270	9.1	15,300	16,948	17,613	1
Wilson	670	753	766	1.7	11,087	12,047	11,949	9
Texas	**205,505**	**221,075**	**224,966**	**1.8**	**12,781**	**13,494**	**13,486**	.....
Metropolitan portion	**171,323**	**184,671**	**188,370**	**2.0**	**13,271**	**13,986**	**13,982**	.....
Nonmetropolitan portion	**34,182**	**36,403**	**36,596**	**.5**	**10,785**	**11,450**	**11,403**	.....
Anderson	447	469	476	1.6	9,757	10,077	10,098	206
Andrews	218	225	205	−8.6	13,777	13,663	12,307	110
Angelina	756	805	820	1.8	11,051	11,711	11,821	131
Aransas	188	206	210	1.7	10,883	11,716	11,719	138
Archer	102	109	113	3.8	12,875	13,939	14,288	40
Armstrong	29	33	35	4.3	15,517	17,650	17,969	6
Atascosa	257	277	286	3.2	9,188	9,750	9,807	214
Austin	285	301	305	1.5	13,918	14,493	14,678	30
Bailey	103	115	107	−7.5	12,405	13,944	13,046	71
Bandera	109	120	125	4.7	12,914	13,314	13,309	60
Bastrop	332	382	381	−.3	10,391	11,146	10,457	196
Baylor	68	65	67	3.1	13,537	13,814	14,546	35
Bee	250	265	262	−1.4	8,957	9,841	9,766	218
Bell	1,873	2,007	2,083	3.8	10,934	11,499	11,938	124
Bexar	12,851	14,159	14,780	4.4	11,605	12,419	12,632	90
Blanco	63	72	77	6.9	12,176	12,752	12,838	80
Borden	12	14	12	−12.9	12,240	16,368	14,218	41
Bosque	169	182	185	1.4	11,998	12,872	12,883	79
Bowie	906	966	1,003	3.9	11,448	11,995	12,394	103
Brazoria	2,485	2,576	2,525	−2.0	13,378	13,770	13,376	57
Brazos	1,137	1,191	1,218	2.3	9,574	9,813	10,081	207
Brewster	74	77	78	2.1	8,953	9,596	9,806	215
Briscoe	31	34	32	−6.3	13,187	14,924	14,412	36
Brooks	63	65	66	.4	6,802	7,120	7,226	244
Brown	376	396	409	3.1	10,613	11,444	11,753	134
Burleson	136	143	140	−1.7	9,136	9,627	9,366	229
Burnet	283	319	326	2.2	13,005	13,954	13,634	51
Caldwell	246	277	279	.6	9,191	9,949	9,536	226
Calhoun	215	224	226	.9	9,934	10,382	10,549	194
Callahan	130	137	136	−.1	10,306	10,932	10,715	188
Cameron	1,684	1,799	1,854	3.1	6,822	7,138	7,205	245
Camp	128	133	136	2.0	12,829	13,290	13,076	69
Carson	93	99	101	1.4	13,281	14,548	14,754	28
Cass	319	340	337	−1.0	10,454	11,151	10,933	177
Castro	126	104	100	−4.5	12,140	10,109	9,705	222
Chambers	231	236	225	−4.7	11,937	12,038	11,398	151
Cherokee	424	455	466	2.3	10,712	11,449	11,579	144
Childress	77	74	75	1.3	11,398	11,440	11,747	136
Clay	113	123	124	.8	11,571	12,701	12,704	89
Cochran	52	53	49	−6.5	11,059	11,063	10,653	191
Coke	43	44	45	.3	11,827	12,646	12,932	76
Coleman	108	119	117	−1.8	10,086	11,403	11,376	152
Collin	3,117	3,643	3,914	7.4	17,089	18,602	18,584	4
Collingsworth	41	41	44	6.4	9,646	10,286	10,969	174
Colorado	250	252	252	0	12,436	12,507	12,578	92
Comal	628	703	737	4.9	14,238	15,089	14,954	25
Comanche	146	149	158	5.8	11,150	11,539	12,151	115
Concho	31	35	36	1.8	10,406	12,560	12,895	77
Cooke	336	346	355	2.8	11,659	11,872	12,018	120
Coryell	536	584	612	4.8	9,372	9,997	10,342	199
Cottle	36	36	34	−7.2	13,190	13,732	13,200	63
Crane	68	66	61	−8.0	13,059	13,388	12,588	91
Crockett	55	57	58	1.4	11,333	12,112	12,401	100
Crosby	87	94	92	−2.5	10,131	11,257	11,131	167
Culberson	34	32	32	.8	9,642	9,562	9,724	221
Dallam	69	79	77	−2.5	10,234	11,857	11,928	125
Dallas	28,419	30,953	32,216	4.1	16,369	17,257	17,574	8
Dawson	175	192	177	−7.8	10,855	11,785	10,994	172
Deaf Smith	236	245	261	6.7	11,356	12,180	13,228	61
Delta	47	50	51	2.6	9,448	10,527	10,863	179
Denton	2,907	3,378	3,612	6.9	16,660	17,908	17,678	7
De Witt	208	219	227	3.3	10,262	10,951	11,264	160
Dickens	30	30	30	−.8	9,516	9,774	10,238	203
Dimmit	70	67	68	2.3	5,874	5,663	5,806	251
Donley	46	50	52	3.9	11,002	12,499	12,890	78
Duval	113	129	121	−5.9	8,511	9,603	8,940	236
Eastland	199	208	208	6.4	9,498	10,146	10,125	204
Ector	1,691	1,822	1,644	−9.7	12,596	13,582	12,348	106
Edwards	23	21	23	8.6	10,593	10,349	11,731	137
Ellis	882	993	1,020	2.7	12,781	13,463	13,093	67
El Paso	4,616	4,906	5,153	5.0	8,580	8,931	9,177	232
Erath	294	315	333	6.0	11,862	12,609	13,391	55
Falls	172	178	177	−.4	9,459	10,047	10,044	208
Fannin	264	271	281	3.7	10,656	11,051	11,340	153
Fayette	257	287	296	3.0	12,915	14,057	14,345	37
Fisher	55	61	59	−2.6	9,610	10,637	10,757	182
Floyd	90	97	91	−5.6	9,831	10,720	10,257	202
Foard	26	26	26	.5	13,565	13,846	14,116	43
Fort Bend	2,732	2,846	2,904	2.1	15,355	15,289	14,916	26
Franklin	82	89	94	6.2	11,361	12,374	12,810	83
Freestone	174	184	184	9.1	10,362	10,741	10,719	187
Frio	100	103	105	1.7	6,935	7,154	7,271	243
Gaines	163	150	138	−8.0	11,448	10,259	9,362	230
Galveston	2,843	2,963	2,943	−.7	13,353	13,857	13,700	50
Garza	56	56	54	−3.8	10,103	10,186	9,907	210
Gillespie	209	232	242	4.5	13,635	15,000	15,334	18
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
Gray	387	394	385	−2.3	14,167	14,615	14,673	31
Grayson	1,166	1,243	1,295	4.2	12,231	12,835	13,177	65
Gregg	1,350	1,437	1,432	−.4	12,062	12,825	12,743	86
Grimes	174	187	189	.8	9,450	9,823	9,837	212
Guadalupe	606	675	704	4.3	11,396	12,288	12,346	107
Hale	405	405	403	−.6	10,756	10,952	10,933	177
Hall	58	57	55	−3.6	11,558	11,817	11,851	129
Hamilton	88	96	101	5.3	10,717	12,183	12,966	74
Hansford	111	123	128	3.7	17,170	18,854	19,934	3
Hardeman	78	78	77	−.8	11,876	12,145	12,391	104
Hardin	478	492	488	−.8	11,004	11,486	11,460	148
Harris	41,212	43,075	42,681	−.9	14,823	15,473	15,252	20
Harrison	599	633	644	1.8	10,406	11,005	11,102	169
Hartley	67	60	58	−3.2	18,854	16,787	16,217	12
Haskell	94	94	92	−2.7	12,519	12,964	12,791	84
Hays	549	643	678	5.4	10,744	11,336	11,145	166
Hemphill	70	68	68	−.1	12,184	12,897	14,020	45
Henderson	557	603	615	2.0	11,142	11,576	11,286	158
Hidalgo	2,210	2,398	2,488	3.8	6,397	6,740	6,800	248
Hill	289	315	312	−1.2	10,565	11,572	11,457	149
Hockley	280	295	267	−9.6	11,347	11,781	10,745	183
Hood	314	362	386	6.5	13,037	14,142	13,770	47
Hopkins	305	325	345	6.1	10,791	11,312	11,750	135
Houston	288	258	283	9.9	12,719	11,322	12,302	111
Howard	419	461	445	−3.4	11,358	12,784	12,314	109
Hudspeth	26	30	26	−12.1	10,201	11,691	9,535	227
Hunt	705	750	804	7.2	11,045	11,454	11,991	121
Hutchinson	409	401	384	−4.2	14,254	14,367	14,126	42

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Irion	23	27	28	5.3	12,424	13,682	14,315	39
Jack	86	91	88	−3.6	11,105	11,935	11,716	139
Jackson	163	170	164	−3.3	11,926	12,566	12,248	113
Jasper	333	345	344	−.3	10,336	10,741	10,723	186
Jeff Davis	20	18	19	5.9	11,682	10,223	10,665	190
Jefferson	3,351	3,392	3,334	−1.7	13,094	13,392	13,345	59
Jim Hogg	52	50	51	2.4	9,628	9,169	9,260	231
Jim Wells	373	392	365	−6.8	9,320	9,771	9,063	234
Johnson	1,019	1,136	1,172	3.2	12,287	12,991	12,724	88
Jones	204	220	215	−2.4	11,136	12,146	11,755	133
Karnes	126	131	130	−.9	9,170	9,835	9,762	219
Kaufman	572	641	670	4.4	12,126	13,049	12,814	82
Kendall	203	230	239	3.6	15,206	16,700	16,271	11
Kenedy	7	7	8	15.7	11,216	11,208	13,702	49
Kent	12	12	13	1.3	9,357	10,674	11,494	146
Kerr	476	528	547	3.7	14,400	15,181	15,261	19
Kimble	50	55	56	1.8	11,625	13,007	13,003	73
King	4	3	3	11.3	10,696	6,978	7,594	242
Kinney	24	27	28	3.7	9,956	11,296	11,418	150
Kleberg	336	362	348	−3.9	9,615	10,530	10,307	200
Knox	65	59	59	.7	11,461	10,656	11,024	171
Lamar	483	518	539	4.0	10,817	11,587	11,967	122
Lamb	243	240	232	−3.2	13,858	14,171	14,062	44
Lampasas	138	149	155	3.9	10,252	10,814	10,940	176
La Salle	37	40	40	−.2	6,341	6,984	7,109	246
Lavaca	225	239	236	−1.0	12,112	12,959	12,784	85
Lee	158	173	167	−3.1	11,752	12,782	12,097	118
Leon	141	154	160	3.7	11,872	12,187	12,480	96
Liberty	581	605	587	−3.0	10,736	11,199	10,735	184
Limestone	220	245	237	−3.4	10,462	11,460	11,166	165
Lipscomb	53	53	53	.2	12,900	13,823	14,572	34
Live Oak	103	112	104	−7.4	10,665	11,866	10,951	175
Llano	160	180	184	2.4	13,516	14,766	14,696	29
Loving	2	2	2	.4	25,575	44,216	43,558	1
Lubbock	2,585	2,721	2,769	1.8	11,566	12,218	12,316	108
Lynn	88	96	79	−17.2	11,083	12,193	10,386	197
McCulloch	100	101	101	.2	11,132	10,960	11,222	164
McLennan	2,113	2,261	2,326	2.9	11,567	12,209	12,401	100
McMullen	13	15	15	1.3	13,353	15,085	15,861	14
Madison	115	128	133	3.8	9,550	10,698	10,975	173
Marion	88	93	91	−1.5	8,481	9,233	9,115	233
Martin	49	68	59	−12.2	9,061	12,772	11,322	155
Mason	53	40	43	8.4	14,724	11,152	11,922	126
Matagorda	444	656	633	−3.4	11,207	16,284	15,455	16
Maverick	180	179	189	5.6	4,963	4,906	5,063	253
Medina	244	272	277	1.7	9,928	10,830	10,590	192
Menard	29	30	31	3.2	11,723	13,413	13,464	53
Midland	1,713	1,923	1,842	−4.2	16,163	17,719	16,557	10
Milam	268	279	277	−.8	11,417	11,755	11,678	140
Mills	54	58	57	−2.0	11,551	12,688	12,546	94
Mitchell	90	102	101	−1.0	9,668	11,289	11,131	167
Montague	200	207	208	.6	10,858	11,264	11,246	162
Montgomery	2,116	2,252	2,197	−2.4	13,516	14,354	13,770	47
Moore	226	245	252	2.9	13,053	14,212	14,319	38
Morris	171	176	163	−7.0	11,532	12,126	11,325	154
Motley	20	20	19	−2.4	10,921	11,377	11,080	170
Nacogdoches	512	532	572	7.5	10,205	10,644	11,319	156
Navarro	437	466	476	2.2	11,243	11,892	12,030	119
Newton	113	116	113	−2.4	8,396	8,702	8,465	239
Nolan	195	205	205	−.4	10,903	11,525	11,604	143
Nueces	3,410	3,699	3,667	−.9	11,539	12,390	12,159	114
Ochiltree	157	152	135	−11.4	14,437	13,877	12,735	87
Oldham	43	41	44	7.4	17,351	16,859	17,982	5
Orange	974	981	997	1.6	11,586	11,729	11,957	123
Palo Pinto	289	302	300	−.7	10,912	11,388	11,271	159
Panola	246	267	276	3.1	10,982	12,114	12,388	105
Parker	661	751	784	4.3	12,482	13,303	13,018	72
Parmer	142	168	162	−3.3	13,154	15,399	14,899	27
Pecos	159	163	154	−5.2	9,326	9,464	8,987	235
Polk	283	301	312	3.5	9,701	10,311	10,290	201
Potter	1,290	1,353	1,322	−2.3	12,062	12,652	12,403	99
Presidio	49	43	46	5.4	8,581	7,679	7,979	241
Rains	59	67	70	3.8	10,434	11,732	11,488	147
Randall	1,208	1,286	1,350	5.0	14,211	14,801	15,223	21
Reagan	62	60	51	−13.6	13,071	12,023	10,034	209
Real	23	27	29	7.4	8,248	9,761	10,106	205
Red River	142	150	151	.8	8,934	9,582	9,802	216
Reeves	157	143	138	−3.5	9,710	8,999	8,699	237
Refugio	120	132	126	−4.7	13,523	15,348	14,662	32
Roberts	15	13	14	6.2	14,295	12,482	12,951	75
Robertson	156	157	156	−.7	9,849	9,793	9,776	217
Rockwall	327	382	398	4.2	17,145	18,066	17,168	9
Runnels	151	157	155	−1.3	11,920	12,599	12,503	95
Rusk	521	540	562	3.9	12,055	12,576	13,131	66
Sabine	86	91	97	6.4	8,820	9,227	9,606	225
San Augustine	75	80	83	3.8	8,448	9,094	9,476	228
San Jacinto	117	125	123	−1.9	8,640	9,034	8,695	238
San Patricio	624	657	639	−2.8	10,079	10,744	10,357	198
San Saba	64	70	72	3.7	10,901	12,689	13,222	62
Schleicher	38	36	35	−2.6	11,652	11,764	11,617	141
Scurry	234	262	253	−3.3	11,728	13,143	12,831	81
Shackelford	51	54	52	−4.7	12,605	13,831	13,195	64
Shelby	229	242	256	5.9	9,527	10,118	10,780	181
Sherman	69	73	74	1.9	22,268	23,092	23,733	2
Smith	1,929	2,066	2,129	3.0	13,198	13,728	13,997	46
Somervell	52	57	60	6.7	11,408	12,566	12,411	98
Starr	147	149	149	.4	4,398	4,315	4,136	254
Stephens	109	116	119	2.0	10,281	11,085	11,239	163
Sterling	15	15	16	6.4	9,389	9,422	9,762	219
Stonewall	29	29	29	−.1	11,770	12,349	12,559	93
Sutton	57	58	54	−6.3	10,436	10,946	10,531	195
Swisher	115	109	112	3.0	12,808	12,138	12,418	97
Tarrant	14,642	16,269	16,905	3.9	14,420	15,352	15,346	17
Taylor	1,527	1,643	1,646	.2	12,481	13,369	13,078	68
Terrell	23	22	24	6.9	14,610	14,594	15,595	15
Terry	164	172	160	−7.1	10,655	11,260	10,590	192
Throckmorton	27	31	31	−1.2	11,423	14,511	14,600	33
Titus	245	259	278	7.1	10,713	11,290	11,882	128
Tom Green	1,175	1,250	1,282	2.6	12,126	12,803	13,065	70
Travis	7,110	7,997	8,355	4.5	14,175	14,982	15,164	23
Trinity	103	113	115	1.6	9,018	9,679	9,664	223
Tyler	200	211	215	1.8	11,073	11,402	11,499	145
Upshur	322	343	347	1.3	9,998	10,702	10,734	185
Upton	62	64	59	−7.8	11,401	11,513	10,670	189
Uvalde	221	233	237	2.0	9,081	9,526	9,632	224
Val Verde	302	322	329	2.4	7,650	8,141	8,239	240
Van Zandt	404	446	456	2.3	11,132	11,933	11,840	130
Victoria	989	1,040	1,017	−2.2	13,231	13,811	13,384	56
Walker	462	522	531	1.7	9,108	10,099	9,854	211
Waller	244	254	264	3.9	10,506	10,821	11,264	160
Ward	183	190	174	−8.6	11,651	12,084	11,298	157
Washington	351	377	389	3.0	13,958	14,838	15,194	22
Webb	733	794	827	4.2	6,261	6,712	6,850	247
Wharton	476	507	492	−3.0	11,487	12,250	11,908	127
Wheeler	83	89	92	3.0	10,911	12,521	13,419	54
Wichita	1,660	1,737	1,732	−.3	13,122	13,734	13,623	52
Wilbarger	190	209	211	1.1	11,219	12,384	12,397	102
Willacy	130	126	122	−3.6	6,915	6,692	6,379	250
Williamson	1,293	1,497	1,532	2.4	13,264	13,969	13,364	58
Wilson	178	199	210	5.8	9,694	10,587	10,782	180
Winkler	106	112	100	−10.2	9,729	10,541	9,821	213
Wise	360	397	413	4.0	11,641	12,243	12,114	117
Wood	312	343	352	2.5	11,356	12,401	12,273	112
Yoakum	121	139	117	−15.8	12,967	14,354	11,757	132
Young	274	292	287	−1.7	13,998	15,342	15,156	24
Zapata	52	56	58	3.7	6,385	6,751	6,761	249
Zavala	69	66	69	5.5	5,638	5,523	5,791	252
Utah	**16,426**	**17,553**	**18,296**	**4.2**	**10,115**	**10,670**	**10,986**	.....
Metropolitan portion	**12,989**	**13,903**	**14,511**	**4.4**	**10,418**	**10,988**	**11,320**	.....
Nonmetropolitan portion	**3,437**	**3,650**	**3,785**	**3.7**	**9,116**	**9,612**	**9,871**	.....
Beaver	42	46	44	−3.8	8,359	8,762	8,633	22
Box Elder	370	403	429	6.4	10,177	11,126	11,654	5
Cache	542	578	621	7.5	8,387	8,941	9,477	17
Carbon	245	260	268	3.3	10,398	11,485	11,851	4
Daggett	7	7	8	2.0	8,659	9,602	10,149	10
Davis	1,638	1,800	1,885	4.7	9,600	10,278	10,462	9
Duchesne	142	143	146	2.4	9,348	9,352	9,640	14
Emery	96	99	105	6.2	7,453	8,233	8,634	21
Garfield	35	37	40	8.8	8,686	9,199	9,819	12
Grand	78	78	77	−.6	9,997	10,570	10,906	8
Iron	149	155	161	4.1	7,742	7,821	8,138	27
Juab	48	48	48	1.2	8,170	7,862	8,196	26
Kane	38	43	47	7.9	8,559	9,375	9,780	13
Millard	121	153	137	−10.4	9,226	10,616	9,624	15
Morgan	56	58	60	3.5	10,927	11,387	11,544	6
Piute	11	10	11	6.7	7,557	7,124	7,325	28
Rich	20	20	20	−4.0	8,254	8,746	8,647	20
Salt Lake	7,798	8,287	8,651	4.4	11,410	11,963	12,314	2
San Juan	77	77	81	5.4	6,595	6,606	7,134	29
Sanpete	125	129	139	7.4	7,476	7,745	8,334	25
Sevier	150	146	153	5.0	9,371	9,289	9,832	11
Summit	169	188	194	3.5	13,664	15,095	15,041	1
Tooele	299	321	324	.8	10,502	10,982	11,087	7
Uintah	243	233	223	−4.3	9,492	9,271	9,193	18
Utah	1,839	1,969	2,051	4.2	7,762	8,202	8,528	24
Wasatch	88	93	94	.3	9,301	9,622	9,565	16
Washington	269	308	337	9.4	8,258	8,744	8,725	19
Wayne	16	17	18	5.5	7,647	8,055	8,607	23
Weber	1,714	1,847	1,924	4.2	10,999	11,734	12,122	3
Vermont	**6,122**	**6,633**	**7,219**	**8.8**	**11,549**	**12,394**	**13,346**	.....
Metropolitan portion	**1,618**	**1,781**	**1,944**	**9.2**	**12,875**	**14,002**	**14,949**	.....
Nonmetropolitan portion	**4,504**	**4,852**	**5,274**	**8.7**	**11,137**	**11,893**	**12,838**	.....
Addison	311	340	380	11.8	9,983	10,817	12,102	10
Bennington	444	473	508	7.5	12,754	13,497	14,436	2

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985–86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Caledonia	259	277	298	7.5	9,834	10,527	11,173	12
Chittenden	1,565	1,720	1,880	9.3	12,971	14,096	15,059	1
Essex	54	57	61	7.6	8,287	8,734	9,214	14
Franklin	367	397	427	7.5	10,050	10,714	11,484	11
Grand Isle	53	61	65	7.1	10,567	11,772	12,331	8
Lamoille	192	203	223	9.8	10,778	11,271	12,332	7
Orange	249	271	296	9.3	10,438	11,279	12,302	9
Orleans	217	232	249	7.4	9,028	9,606	10,331	13
Rutland	688	748	817	9.2	11,685	12,611	13,609	5
Washington	614	656	711	8.4	11,441	12,231	13,187	6
Windham	476	519	571	10.2	12,278	13,046	14,325	3
Windsor	635	680	733	7.8	12,149	12,890	13,656	4
Virginia	**76,452**	**82,850**	**89,593**	**8.1**	**13,566**	**14,530**	**15,482**	.....
Metropolitan portion	**59,170**	**64,457**	**69,975**	**8.6**	**14,763**	**15,858**	**16,913**	.....
Nonmetropolitan portion	**17,282**	**18,393**	**19,618**	**6.7**	**10,618**	**11,234**	**11,892**	.....
Accomack	303	326	353	8.5	9,748	10,444	11,183	73
Amelia	84	92	97	6.4	10,120	10,964	11,462	67
Amherst	254	264	283	6.9	8,774	9,112	9,748	97
Appomattox	119	128	134	5.2	9,709	10,360	10,816	82
Arlington	3,505	3,776	4,115	9.0	22,325	23,994	25,926	2
Bath	73	74	75	.5	13,504	13,859	14,255	21
Bland	57	60	63	5.2	8,886	9,299	9,892	95
Botetourt	279	305	324	6.4	11,672	12,538	13,122	39
Brunswick	145	153	157	3.0	9,047	9,527	9,850	96
Buchanan	356	361	371	2.7	9,548	9,841	10,355	89
Buckingham	108	116	124	7.5	8,790	9,342	10,121	92
Caroline	200	215	224	4.0	10,614	11,436	11,807	57
Charles City	75	77	81	6.0	11,116	11,593	12,588	48
Charlotte	113	118	117	−.9	9,518	9,981	9,973	93
Chesterfield	2,333	2,599	2,804	7.9	14,657	15,787	16,267	12
Clarke	160	175	188	7.5	15,846	17,145	18,254	6
Craig	40	43	45	5.8	9,839	10,368	10,825	81
Culpeper	278	305	328	7.8	11,959	12,776	13,517	30
Cumberland	68	74	78	5.4	8,602	9,367	9,905	94
Dickenson	207	210	225	7.1	10,330	10,501	11,353	71
Essex	99	103	110	6.5	11,195	11,663	12,416	52
Fauquier	627	715	761	6.5	16,125	17,736	18,107	7
Floyd	121	127	138	8.3	10,345	10,864	11,714	61
Fluvanna	104	112	123	9.4	9,955	10,485	11,482	66
Franklin	371	393	415	5.5	10,061	10,667	11,148	75
Giles	177	183	189	3.4	9,986	10,377	10,773	84
Gloucester	288	325	354	8.8	11,727	12,332	12,535	49
Goochland	184	209	226	8.1	14,749	16,551	17,871	8
Grayson	148	151	156	3.3	8,964	9,069	9,385	101
Greene	80	87	92	6.1	9,575	10,148	10,532	86
Hanover	783	863	939	8.8	14,989	16,247	17,363	9
Henrico	3,035	3,342	3,646	9.1	15,845	17,213	18,649	5
Highland	25	24	30	21.7	8,521	8,428	10,482	87
Isle of Wight	287	315	332	5.2	12,469	13,284	13,775	28
King and Queen	61	66	71	7.3	10,010	10,591	10,964	78
King George	141	154	168	9.1	12,656	13,417	13,974	24
King William	125	133	138	3.8	12,672	13,299	13,391	35
Lancaster	141	155	165	6.6	13,145	14,241	14,845	18
Lee	219	224	236	5.3	8,241	8,433	8,880	104
Loudoun	1,071	1,243	1,366	9.9	17,193	19,266	20,460	4
Louisa	192	207	222	7.1	10,205	10,933	11,603	63
Lunenberg	108	109	109	.2	8,878	8,963	8,893	103
Madison	108	114	124	8.6	10,219	10,785	11,574	64
Mathews	107	115	124	7.9	12,572	13,304	14,031	23
Mecklenburg	288	307	321	4.6	9,710	10,296	10,787	83
Middlesex	101	112	118	4.8	12,285	13,290	13,604	29
Nelson	132	137	147	7.8	10,631	11,016	11,991	55
New Kent	128	139	150	8.0	13,095	13,725	14,515	19
Northampton	126	129	138	6.7	8,812	9,054	9,464	99
Northumberland	120	131	140	7.3	12,036	13,094	13,805	26
Nottoway	156	164	174	5.8	10,896	10,942	11,681	62
Orange	224	248	266	7.5	11,880	12,830	13,447	32
Page	210	225	238	5.7	10,644	11,385	11,941	56
Patrick	183	195	207	5.8	10,342	11,048	11,761	58
Powhatan	153	167	181	8.7	11,403	12,684	13,799	27
Prince Edward	143	151	160	5.5	8,420	8,809	9,195	102
Pulaski	338	356	374	5.0	9,677	10,232	10,915	79
Rappahannock	72	77	84	8.7	11,791	12,499	13,515	31
Richmond	77	84	92	10.0	11,092	11,988	12,731	47
Russell	284	295	304	2.9	8,713	9,108	9,441	100
Scott	201	214	220	2.9	7,886	8,378	8,633	105
Shenandoah	338	362	403	11.3	12,093	12,888	14,283	20
Smyth	304	319	340	6.6	9,133	9,613	10,276	90
Stafford	618	703	794	12.9	13,124	14,351	15,839	14
Surry	73	77	82	7.5	11,686	12,334	13,082	40
Sussex	110	113	119	4.9	10,573	11,047	11,749	59
Tazewell	509	532	559	5.2	9,959	10,473	11,094	77
Warren	255	274	289	5.4	11,421	12,036	12,364	53
Westmoreland	163	178	190	6.8	11,503	12,435	13,182	38
Wythe	253	268	284	6.1	9,912	10,462	11,097	76
Independent Cities:								
Alexandria	2,375	2,542	2,806	10.4	22,071	23,427	26,030	1
Chesapeake	1,542	1,679	1,801	7.3	12,265	12,870	13,407	34
Hampton	1,412	1,518	1,634	7.6	11,217	12,118	12,968	44
Newport News	1,829	1,993	2,139	7.3	11,812	12,635	13,224	37
Norfolk	3,250	3,420	3,688	7.8	11,513	12,445	13,417	33
Portsmouth	1,194	1,248	1,303	4.4	10,926	11,292	11,740	60
Richmond	3,321	3,471	3,762	8.4	15,216	15,959	17,283	10
Roanoke	1,289	1,350	1,439	6.6	12,811	13,368	14,114	22
Suffolk	590	639	668	4.7	12,049	12,721	13,023	41
Virginia Beach	4,321	4,757	5,289	11.2	14,040	14,942	15,864	13
Combination Areas: [4]								
Albemarle + Charlottesville	1,311	1,432	1,567	9.5	13,111	14,244	15,369	16
Alleghany, Clifton Frg. + Covington	270	287	300	4.6	10,187	10,742	11,158	74
Augusta, Staunton + Waynesboro	1,045	1,092	1,173	7.4	11,449	12,016	12,820	45
Bedford + Bedford City	529	574	605	5.4	12,132	12,867	13,270	36
Campbell + Lynchburg	1,299	1,363	1,443	5.9	11,437	11,846	12,530	50
Carroll + Galax	307	313	329	5.3	8,842	9,008	9,622	98
Dinwiddie, Col. Hts. + Petersburg	868	917	972	6.0	11,053	11,655	12,530	50
Fairfax, Fairfax City + Falls Church	14,050	15,624	17,125	9.6	19,961	21,692	23,136	3
Frederick + Winchester	630	684	754	10.4	11,251	12,027	12,985	42
Greensville + Emporia	153	162	171	5.9	9,934	10,593	11,350	72
Halifax + South Boston	353	365	385	5.5	9,534	9,841	10,429	88
Henry + Martinsville	843	886	955	7.8	11,257	11,774	12,741	46
James City + Williamsburg	450	502	529	5.5	12,531	13,630	13,932	25
Montgomery + Radford	770	833	907	8.8	9,852	10,595	11,356	70
Pittsylvania + Danville	1,198	1,221	1,276	4.5	10,780	11,019	11,560	65
Prince George + Hopewell	470	493	513	4.0	9,383	9,879	10,185	91
Pr. William, Manassas + Manassas Park	2,688	3,007	3,298	9.7	14,222	15,320	16,272	11
Roanoke + Salem	1,316	1,438	1,525	6.1	13,508	14,734	15,528	15
Rockbridge, Buena Vista + Lexington	301	318	339	6.5	9,595	10,230	10,912	80
Rockingham + Harrisonburg	839	892	1,003	12.4	10,611	11,163	12,311	54
Southampton + Franklin	239	254	273	7.2	9,292	10,007	10,653	85
Spotsylvania + Fredericksburg	651	725	765	5.5	11,937	12,910	12,981	43
Washington + Bristol	661	700	748	6.9	10,138	10,763	11,462	67
Wise + Norton	525	538	563	4.8	10,601	10,806	11,382	69
York + Poquoson	646	721	751	4.2	13,285	14,516	14,854	17
Washington	**58,416**	**62,191**	**66,848**	**7.5**	**13,428**	**14,109**	**14,979**	.....
Metropolitan portion	**48,428**	**51,863**	**55,794**	**7.6**	**13,789**	**14,544**	**15,434**	.....
Nonmetropolitan portion	**9,988**	**10,328**	**11,055**	**7.0**	**11,914**	**12,269**	**13,042**	.....
Adams	182	186	194	4.4	13,397	13,516	14,066	11
Asotin	197	200	210	4.7	11,425	11,552	12,251	32
Benton	1,424	1,481	1,547	4.5	12,759	13,249	13,725	13
Chelan	626	648	713	10.1	12,868	13,130	14,284	7
Clallam	633	677	717	6.0	12,109	12,811	13,345	17
Clark	2,427	2,585	2,717	5.1	11,937	12,487	12,855	23
Columbia	66	58	66	13.5	15,987	14,007	15,726	5
Cowlitz	950	964	1,004	4.1	11,957	12,162	12,758	27
Douglas	292	293	342	16.9	12,270	12,105	14,126	9
Ferry	50	51	55	7.5	8,296	8,616	9,304	39
Franklin	404	411	432	5.1	11,024	11,396	11,724	34
Garfield	46	38	43	14.3	18,004	15,214	17,651	3
Grant	592	611	664	8.7	11,470	11,698	12,506	28
Grays Harbor	754	777	803	3.4	11,756	12,325	12,803	26
Island	571	621	670	7.9	12,029	12,779	13,518	16
Jefferson	216	227	245	8.3	12,466	12,706	13,279	18
King	21,783	23,438	25,409	8.4	16,438	17,381	18,651	1
Kitsap	2,099	2,238	2,375	6.1	12,750	13,406	14,032	12
Kittitas	278	289	304	5.2	11,224	11,675	12,339	30
Klickitat	193	189	209	10.7	11,762	11,409	12,893	21
Lewis	640	658	693	5.2	11,116	11,410	11,906	33
Lincoln	171	160	172	7.8	17,604	16,551	18,242	2
Mason	367	393	418	6.3	10,504	11,144	11,615	35
Okanogan	367	373	418	12.1	11,312	11,464	12,870	22
Pacific	203	214	226	5.9	11,572	12,222	12,978	20
Pend Oreille	82	81	87	7.3	9,151	8,929	9,593	38
Pierce	6,332	6,797	7,264	6.9	12,221	12,925	13,620	14
San Juan	131	148	159	7.7	15,049	16,581	17,284	4
Skagit	852	909	981	8.0	12,466	13,250	14,092	10
Skamania	82	84	88	4.9	10,767	11,084	11,403	36
Snohomish	4,819	5,277	5,705	8.1	13,112	14,028	14,672	6
Spokane	4,204	4,399	4,655	5.8	11,873	12,333	13,041	19
Stevens	300	309	324	5.0	9,644	9,860	10,246	37
Thurston	1,677	1,832	1,984	8.3	12,112	12,910	13,533	15
Wahkiakum	38	41	44	7.4	10,369	11,340	12,412	29

See footnotes at end of table.

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

Area name	Total personal income: Millions of dollars 1984	1985	1986	Percent change [2] 1985-86	Per capita personal income [3]: Dollars 1984	1985	1986	Rank in State 1986
Walla Walla	629	634	685	8.0	13,030	13,268	14,262	8
Whatcom	1,254	1,349	1,456	7.9	11,239	11,975	12,809	24
Whitman	479	498	521	4.7	12,001	12,408	12,804	25
Yakima	2,004	2,056	2,251	9.5	11,083	11,274	12,285	31
West Virginia	**18,902**	**19,485**	**20,188**	**3.6**	**9,688**	**10,058**	**10,520**	.....
Metropolitan portion	**7,774**	**8,075**	**8,341**	**3.3**	**10,836**	**11,365**	**11,885**	.....
Nonmetropolitan portion	**11,128**	**11,409**	**11,848**	**3.8**	**9,020**	**9,301**	**9,734**	.....
Barbour	135	134	135	4.7	8,055	8,031	8,144	49
Berkeley	508	520	570	9.6	10,221	10,295	11,078	11
Boone	307	320	336	4.9	10,192	10,638	11,235	8
Braxton	121	121	128	6.5	8,157	8,139	8,777	39
Brooke	280	285	286	.2	9,257	9,528	9,685	26
Cabell	1,154	1,204	1,236	2.7	10,705	11,322	11,803	5
Calhoun	55	56	58	3.6	6,585	6,836	7,081	54
Clay	68	70	70	.6	5,879	6,133	6,160	55
Doddridge	57	60	61	2.0	7,565	7,780	7,882	51
Fayette	447	453	462	2.0	7,843	8,017	8,326	42
Gilmer	65	66	69	5.3	7,579	7,757	8,160	48
Grant	97	97	107	10.2	9,997	9,917	11,019	12
Greenbrier	329	331	360	8.7	8,399	8,529	9,360	31
Hampshire	132	139	153	10.1	8,342	8,657	9,475	29
Hancock	434	450	443	−1.7	10,828	11,211	11,176	9
Hardy	92	97	112	15.0	9,165	9,802	11,170	10
Harrison	807	831	849	2.2	10,494	10,919	11,297	7
Jackson	240	238	233	−1.9	9,081	9,009	8,866	36
Jefferson	302	318	353	10.8	9,325	9,675	10,453	18
Kanawha	2,773	2,875	2,974	3.5	12,002	12,632	13,269	1
Lewis	167	174	175	1.0	8,752	9,174	9,369	30
Lincoln	154	162	166	2.5	7,176	7,660	7,897	50
Logan	453	457	470	2.9	8,903	9,091	9,487	28
McDowell	369	375	372	−.8	7,813	8,066	8,201	47
Marion	676	667	672	.7	10,296	10,266	10,492	17
Marshall	385	390	414	6.1	9,514	9,733	10,547	15
Mason	221	228	228	−.1	8,452	8,761	8,785	38
Mercer	749	781	821	5.2	10,342	10,947	11,589	6
Mineral	260	263	286	8.7	9,392	9,455	10,326	20
Mingo	334	340	363	6.8	8,980	9,185	9,867	25
Monongalia	776	808	847	4.8	9,860	10,335	10,896	13
Monroe	103	106	112	6.2	8,365	8,666	9,193	33
Morgan	109	111	120	8.1	10,783	10,943	11,848	4
Nicholas	251	259	262	1.1	8,821	9,139	9,228	32
Ohio	690	713	746	4.7	11,419	12,047	12,871	2
Pendleton	60	67	76	12.9	7,752	8,540	9,590	27
Pleasants	73	77	81	5.2	9,085	9,528	10,069	21
Pocahontas	87	86	95	10.8	8,847	8,834	10,069	21
Preston	241	247	254	2.8	7,941	8,096	8,339	41
Putnam	406	434	441	1.5	9,962	10,462	10,427	19
Raleigh	842	867	884	1.9	9,668	10,109	10,501	16
Randolph	273	277	283	2.0	9,544	9,680	9,966	24
Ritchie	90	95	98	2.9	8,036	8,423	8,749	40
Roane	122	127	129	1.3	7,830	8,165	8,296	44
Summers	103	108	110	2.7	7,028	7,360	7,661	52
Taylor	132	134	134	.2	7,907	8,134	8,225	46
Tucker	72	74	77	3.8	8,259	8,555	8,978	35
Tyler	100	104	110	6.1	8,971	9,245	9,968	23
Upshur	197	206	206	−.3	7,846	8,255	8,324	43
Wayne	377	394	409	3.9	8,304	8,773	9,174	34
Webster	79	84	88	4.7	6,594	7,015	7,404	53
Wetzel	212	220	231	4.9	9,578	10,034	10,609	14
Wirt	38	39	41	3.2	8,217	8,606	8,848	37
Wood	1,014	1,066	1,106	3.7	10,857	11,469	12,016	3
Wyoming	283	278	287	3.3	7,958	7,858	8,261	45
Wisconsin	**59,900**	**62,923**	**66,877**	**6.3**	**12,575**	**13,175**	**13,977**	.....
Metropolitan portion	**42,597**	**44,859**	**47,518**	**5.9**	**13,454**	**14,126**	**14,926**	.....
Nonmetropolitan portion	**17,304**	**18,064**	**19,359**	**7.2**	**10,833**	**11,289**	**12,090**	.....
Adams	129	134	137	2.5	9,171	9,435	9,694	70
Ashland	165	172	186	7.8	9,648	10,187	11,103	50
Barron	433	455	496	9.1	10,692	11,210	12,237	34
Bayfield	128	132	142	7.5	8,922	9,258	9,979	66
Brown	2,361	2,526	2,698	6.8	12,853	13,647	14,414	8
Buffalo	157	159	175	9.9	10,797	11,009	12,069	35
Burnett	124	131	140	7.5	9,311	9,728	10,380	62
Calumet	392	421	450	7.0	11,579	12,206	12,735	23
Chippewa	560	583	637	9.2	10,446	10,879	11,875	38
Clark	312	321	351	9.3	9,276	9,626	10,646	58
Columbia	517	556	594	6.9	11,613	12,329	13,088	20
Crawford	150	154	167	8.4	8,919	9,210	9,972	67
Dane	4,746	5,088	5,468	7.5	14,034	14,903	15,855	3
Dodge	861	892	944	5.8	11,370	11,744	12,529	28
Door	314	335	373	11.4	12,117	12,790	14,079	13
Douglas	452	462	486	5.2	10,559	10,927	11,668	42
Dunn	330	340	377	11.0	9,438	9,697	10,767	57
Eau Claire	910	959	1,030	7.5	10,995	11,588	12,394	30
Florence	38	41	43	5.3	9,407	9,976	10,416	61
Fond du Lac	1,104	1,147	1,215	6.0	12,298	12,700	13,445	19
Forest	77	77	80	3.5	8,205	8,280	8,675	71
Grant	552	559	615	10.0	10,634	10,842	11,997	36
Green	393	407	440	7.9	12,807	13,294	14,419	7
Green Lake	215	226	240	6.1	11,284	11,852	12,684	24
Iowa	203	201	226	12.6	9,801	9,794	10,979	53
Iron	56	58	60	3.6	8,891	9,398	9,767	69
Jackson	166	170	181	6.2	10,100	10,342	11,043	51
Jefferson	782	814	860	5.6	11,673	12,110	12,650	26
Juneau	218	222	236	6.0	10,198	10,404	11,007	52
Kenosha	1,622	1,646	1,729	5.0	13,398	13,599	14,405	10
Kewaunee	225	232	251	8.2	11,183	11,587	12,576	27
La Crosse	1,151	1,215	1,278	5.2	12,261	12,902	13,582	16
Lafayette	173	172	196	14.2	10,005	9,988	11,496	45
Langlade	191	204	213	4.2	9,534	10,311	10,816	55
Lincoln	277	292	312	7.0	9,953	10,429	11,124	49
Manitowoc	960	999	1,053	5.4	11,547	12,097	12,804	22
Marathon	1,241	1,309	1,394	6.5	10,999	11,601	12,395	29
Marinette	423	453	473	4.6	10,551	11,103	11,544	44
Marquette	119	126	136	8.3	9,500	9,966	10,627	59
Milwaukee	13,224	13,781	14,480	5.1	14,074	14,700	15,530	4
Monroe	349	367	396	7.9	9,677	10,082	10,780	56
Oconto	290	318	345	8.3	9,701	10,605	11,423	47
Oneida	348	373	388	3.9	11,112	11,849	12,314	32
Outagamie	1,633	1,729	1,844	6.7	12,230	12,853	13,581	17
Ozaukee	1,135	1,208	1,296	7.2	16,804	17,664	18,752	1
Pepin	77	78	86	9.7	10,324	10,615	11,899	37
Pierce	369	393	415	5.8	11,099	11,676	12,282	33
Polk	360	381	407	6.9	10,596	11,108	11,845	39
Portage	650	688	727	5.7	11,209	11,827	12,391	31
Price	170	179	194	8.3	10,163	10,628	11,713	41
Racine	2,310	2,403	2,482	3.3	13,488	14,001	14,410	9
Richland	164	168	181	7.6	9,429	9,819	10,601	60
Rock	1,701	1,793	1,865	4.0	12,296	12,963	13,534	18
Rusk	135	144	156	8.3	8,432	9,116	9,922	68
St. Croix	575	628	678	8.0	12,687	13,735	14,599	5
Sauk	509	532	578	8.7	11,287	11,724	12,684	24
Sawyer	130	136	143	4.9	9,334	9,677	10,073	64
Sheboygan	1,333	1,383	1,465	6.0	12,974	13,463	14,274	11
Taylor	193	194	215	11.0	10,091	10,205	11,426	46
Trempealeau	272	279	305	9.2	10,312	10,676	11,777	40
Vernon	248	257	275	7.3	9,337	9,620	10,362	63
Vilas	179	188	198	5.4	10,218	10,797	11,334	48
Walworth	884	934	996	6.6	12,452	13,108	13,916	15
Washburn	133	139	151	8.5	9,757	10,142	10,941	54
Washington	1,142	1,213	1,289	6.3	13,042	13,722	14,422	6
Waukesha	4,406	4,698	5,003	6.5	15,564	16,463	17,320	2
Waupaca	511	533	575	7.7	11,592	12,028	12,922	21
Waushara	200	215	227	5.6	10,319	11,083	11,607	43
Winnebago	1,704	1,814	1,945	7.2	12,655	13,388	14,262	12
Wood	951	1,009	1,081	7.1	12,298	12,960	13,948	14
Shawano (incl. Menominee)	386	379	409	7.9	9,692	9,486	10,053	65
Wyoming	**6,280**	**6,582**	**6,481**	**−1.5**	**12,244**	**12,914**	**12,774**	.....
Metropolitan portion	**2,008**	**2,048**	**1,989**	**−2.9**	**13,555**	**14,050**	**13,610**	.....
Nonmetropolitan portion	**4,272**	**4,534**	**4,492**	**−.9**	**11,711**	**12,460**	**12,436**	.....
Albany	334	349	355	1.5	11,099	11,865	12,076	12
Big Horn	119	120	118	−2.1	9,484	9,688	9,556	23
Campbell	507	552	505	−8.5	14,545	15,133	13,755	4
Carbon	263	257	242	−5.8	12,534	12,785	12,499	10
Converse	155	164	166	1.2	10,591	11,482	11,911	13
Crook	68	72	74	2.5	11,468	11,927	12,273	11
Fremont	371	373	365	−2.0	9,784	10,212	10,344	21
Goshen	128	132	138	4.1	10,230	10,405	10,911	19
Hot Springs	70	74	72	−2.3	11,519	12,199	11,900	14
Johnson	78	79	80	1.7	10,984	11,259	11,675	16
Laramie	948	996	1,020	2.5	12,872	13,580	13,567	6
Lincoln	165	242	239	−1.2	11,182	15,722	15,330	3
Natrona	1,060	1,053	969	−8.0	14,230	14,525	13,655	5
Niobrara	35	36	36	−.3	10,361	11,452	11,791	15
Park	316	324	323	−.3	12,822	13,203	13,002	7
Platte	85	88	100	13.3	8,319	8,881	10,101	22
Sheridan	340	342	335	−2.1	12,426	12,886	12,892	9
Sublette	67	95	100	5.0	12,643	16,445	15,967	2
Sweetwater	565	604	610	.9	12,813	13,354	12,966	8
Teton	176	189	203	7.5	16,049	17,767	18,771	1
Uinta	225	233	231	−1.0	9,721	9,877	10,847	20
Washakie	110	115	111	−3.2	10,810	11,453	11,157	18
Weston	94	92	89	−3.1	11,766	11,647	11,379	17

1. The personal income level shown for the United States differs from that in the national income and product accounts primarily because it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents who are employed abroad temporarily by private U.S. firms.
2. Percent change was calculated from unrounded data.
3. State per capita personal income estimates presented in this table are based on the sum of county population estimates available as of March 1988; these population estimates have not been revised by the Bureau of the Census to agree with the most recent State estimates of population. The State per capita personal income estimates that incorporate the most recent State population estimates, shown in table 3 on page 75, are to be regarded as the official estimates.
4. Virginia combination areas consist of one or two independent cities with populations less than 100,000 combined with an adjacent county. The county name appears first, followed by the city name(s). Separate estimates for the jurisdictions making up the combination areas are not available.

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	11,264	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	8,371	8,468	8,743	8,872	8,975	9,141	9,267	9,458	9,402	9,550	9,649	9,793
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	113,312	116,805
14	New York	200,443	205,205	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	133,303	135,316	136,858	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	56,579	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	106,081	108,476	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	29,396	30,829
25	Minnesota	44,300	44,654	46,008	46,251	46,665	47,334	47,748	49,189	48,368	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	17,334	18,253	17,591	18,767
28	North Dakota	6,458	6,570	6,897	6,915	6,722	6,854	6,901	7,801	6,740	7,301	7,322	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**	**558,896**	**571,897**	**578,950**	**599,582**
31	Alabama	32,635	32,861	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	115,430	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	34,813	35,071	35,000	36,475
36	Louisiana	40,301	41,518	43,119	43,905	44,488	44,872	45,022	45,066	45,932	45,982	46,447	47,463
37	Mississippi	18,949	19,319	19,799	19,889	20,290	20,540	20,468	20,908	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	29,651	29,636	30,397	31,063	32,244	33,273	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	33,928	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	186,934	188,552	195,775
48	**Rocky Mountain**	**68,952**	**70,077**	**72,879**	**73,796**	**74,635**	**75,952**	**76,439**	**78,396**	**78,189**	**79,994**	**81,332**	**84,220**
49	Colorado	33,844	34,575	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	7,681	7,763	8,042	7,948	7,837	7,952	8,041	8,641	8,177	8,415	8,491	8,932
52	Utah	12,685	12,828	13,404	13,581	13,767	13,988	14,204	14,405	14,373	14,841	15,140	15,637
53	Wyoming	5,874	5,979	6,197	6,312	6,299	6,326	6,225	6,132	6,062	6,067	6,103	6,219
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	11,238	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	6,879	7,028	7,397	8,110	8,423	8,449	8,601	8,879	9,105
60	Hawaii	10,690	10,913	11,218	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	418,232	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	135,223	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

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p Preliminary.

1. The personal income level shown for the United States differs from that in the national income and product accounts primarily because it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents who are employed abroad temporarily by private U.S. firms.

NOTES:

—Quarterly estimates for the years 1969–80 are available from the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

—The quarterly estimates of State personal income were prepared by Isabelle B. Whiston, under the supervision of Robert L. Brown.

Income, 1981:I–1987:IV

Income, States and Regions

seasonally adjusted at annual rates]

1984				1985				1986				1987				Percent change		Line
I r	II r	III r	IV r	I r	II r	III r	IV r	I r	II r	III r	IV r	I r	II r	III r	IV p	1987:III–1987:IV	1986:IV–1987:IV	
3,027,616	**3,066,181**	**3,129,624**	**3,181,231**	**3,252,664**	**3,298,599**	**3,330,473**	**3,399,647**	**3,454,989**	**3,522,863**	**3,547,282**	**3,589,223**	**3,652,506**	**3,688,315**	**3,749,283**	**3,844,771**	**2.5**	**7.1**	1
180,974	**185,233**	**189,967**	**193,613**	**197,351**	**200,132**	**202,903**	**207,840**	**212,490**	**217,000**	**220,600**	**225,295**	**228,118**	**232,065**	**238,365**	**243,170**	**2.0**	**7.9**	2
51,781	53,240	54,780	55,770	56,669	57,469	58,252	59,586	60,880	62,222	62,915	64,648	65,394	66,449	68,127	69,515	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	94,182	95,473	97,761	99,982	102,035	104,038	105,995	107,390	109,304	112,201	114,387	1.9	7.9	5
13,426	13,525	13,841	14,214	14,827	15,121	15,449	15,904	16,275	16,654	16,904	17,238	17,426	17,785	18,406	18,822	2.3	9.2	6
12,120	12,381	12,654	12,866	13,027	13,157	13,273	13,603	13,832	14,101	14,319	14,528	14,743	14,937	15,343	15,537	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
255,045	261,112	266,593	271,396	275,319	278,015	281,574	287,853	294,208	299,361	304,444	309,063	313,855	318,691	323,891	330,893	2.2	7.1	14
147,975	150,167	152,739	154,665	157,622	159,835	161,591	163,886	166,325	168,542	170,732	171,950	174,548	177,110	180,468	183,855	1.9	6.9	15
528,391	**534,191**	**543,428**	**550,587**	**560,796**	**568,427**	**571,584**	**583,604**	**590,438**	**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	32,848	33,219	33,667	33,747	34,827	34,238	35,834	35,701	36,812	36,503	36,617	36,630	38,335	4.7	4.1	24
54,933	54,853	56,049	57,462	58,240	59,438	59,050	60,299	61,161	64,122	63,235	64,184	66,108	65,542	66,661	69,731	4.6	8.6	25
61,288	61,840	63,025	63,946	65,227	66,229	66,787	67,971	69,214	70,378	70,856	71,564	72,930	73,211	74,092	76,485	3.2	6.9	26
20,252	19,211	19,611	20,038	20,669	21,616	20,333	21,035	20,764	23,712	21,406	21,840	22,669	21,935	21,926	24,938	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	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
618,895	**626,918**	**640,783**	**650,345**	**666,440**	**676,860**	**685,204**	**698,496**	**713,920**	**723,239**	**732,220**	**739,769**	**753,302**	**762,661**	**778,461**	**794,053**	**2.0**	**7.3**	30
39,518	39,922	40,721	41,236	42,315	42,957	43,363	44,268	45,290	45,532	46,171	46,425	47,078	47,457	48,562	49,294	1.5	6.2	31
23,410	22,922	23,258	23,646	25,008	24,517	24,688	25,169	26,169	25,885	26,200	26,523	26,995	26,813	27,056	27,497	1.6	3.7	32
139,293	142,039	145,860	148,513	152,739	156,743	159,385	162,910	166,569	169,964	172,371	174,330	177,351	180,796	185,128	189,680	2.5	8.8	33
66,722	67,911	69,793	71,254	73,209	74,593	76,219	78,030	80,208	81,372	82,751	84,079	85,307	86,578	88,551	90,442	2.1	7.6	34
38,105	38,464	39,018	39,341	39,601	40,313	40,434	41,021	41,404	42,227	42,592	42,816	43,404	43,998	44,973	45,788	1.8	6.9	35
48,072	48,439	49,183	49,498	50,492	50,495	50,665	50,526	51,003	50,501	50,211	49,787	50,385	50,163	50,731	51,447	1.4	3.3	36
23,281	22,814	23,106	23,437	24,233	24,049	23,820	24,864	25,343	25,418	25,524	25,531	26,619	26,450	26,861	27,192	1.2	6.5	37
65,967	67,145	68,535	69,757	71,103	72,417	73,531	75,340	76,718	78,294	79,484	80,487	81,978	83,289	85,235	86,964	2.0	8.0	38
32,764	33,131	33,752	34,258	34,984	35,458	36,017	36,728	37,397	37,891	38,301	38,818	39,457	40,190	40,989	41,803	2.0	7.7	39
49,091	49,896	50,856	51,596	52,651	53,524	54,023	55,260	56,249	57,137	58,170	58,878	60,437	60,998	62,278	63,654	2.2	8.1	40
74,132	75,389	77,513	78,774	80,817	82,225	83,480	84,877	87,482	88,918	90,238	91,737	93,785	95,223	97,327	99,107	1.8	8.0	41
18,540	18,847	19,187	19,034	19,287	19,569	19,578	19,504	20,088	20,100	20,208	20,359	20,504	20,707	20,769	21,185	2.0	4.1	42
288,884	**292,753**	**299,043**	**303,755**	**312,735**	**316,663**	**320,088**	**324,707**	**328,395**	**328,652**	**326,955**	**325,291**	**332,166**	**333,078**	**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	47,860	48,626	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	46,678	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	11,182	10,902	11,178	11,379	11,521	11,551	11,651	11,999	11,997	0	4.1	50
8,722	8,740	8,863	9,365	9,118	8,998	9,014	9,326	9,298	9,898	9,397	10,129	9,997	9,878	9,856	9,938	.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	18,948	19,322	2.0	5.2	52
6,144	6,267	6,328	6,380	6,377	6,601	6,632	6,721	6,744	6,682	6,353	6,195	6,145	6,312	6,246	6,320	1.2	2.0	53
480,853	**486,393**	**497,352**	**505,711**	**520,715**	**526,945**	**535,526**	**548,395**	**558,259**	**569,073**	**577,468**	**587,414**	**598,434**	**609,173**	**614,984**	**627,665**	**2.1**	**6.9**	54
379,508	384,043	393,131	400,040	412,865	417,652	425,016	435,761	443,540	452,064	459,179	466,420	477,308	486,540	490,007	500,438	2.1	7.3	55
12,328	12,525	12,815	13,047	13,432	13,615	13,880	14,144	14,437	14,741	15,026	15,308	15,560	15,828	16,235	16,673	2.7	8.9	56
31,666	32,010	32,522	33,011	33,515	33,904	34,200	34,835	35,252	35,915	36,279	36,660	36,974	37,428	38,147	38,754	1.6	5.7	57
57,352	57,814	58,884	59,613	60,904	61,775	62,429	63,655	65,030	66,353	66,984	69,027	68,592	69,378	70,595	71,800	1.7	4.0	58
9,197	9,120	9,110	9,132	9,503	9,643	9,758	9,732	9,641	9,653	9,587	9,468	9,205	9,365	9,377	9,633	2.7	1.7	59
13,374	13,620	13,723	13,796	14,241	14,424	14,638	14,917	15,138	15,415	15,742	15,991	16,189	16,418	16,790	17,138	2.1	7.2	60
Census Regions																		
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	61
522,285	533,621	544,465	553,730	563,106	570,362	577,213	588,961	600,719	610,665	620,378	628,259	638,634	647,566	659,502	673,454	2.1	7.2	62
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	63
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	64
478,067	486,841	499,096	507,415	520,565	530,675	539,021	550,008	563,079	572,854	581,025	588,992	599,158	609,146	622,365	635,476	2.1	7.9	65
149,995	151,096	153,701	155,610	158,801	160,843	161,641	165,413	168,286	170,315	172,456	173,649	177,539	178,903	182,675	185,928	1.8	7.1	66
310,119	313,178	319,014	323,435	332,590	335,027	337,795	341,510	345,045	343,593	341,506	338,888	346,046	345,492	350,367	357,396	2.0	5.5	67
147,300	149,458	152,866	155,939	159,276	161,647	163,309	166,598	168,949	171,956	172,489	174,495	176,448	178,697	181,309	184,500	1.8	5.7	68
491,097	496,608	507,369	515,594	531,027	537,398	546,041	558,900	568,601	579,400	587,770	597,565	608,268	619,128	624,916	637,763	2.1	6.7	69

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: Millions of dollars							Percent change [2]											
									Earnings [3]										
	1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p	Total personal income	Total	Nonfarm	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	6,733	7,198	7,714	8,391	9,053	9,788	10,457	6.8	8.7	10.0	12.8	6.9	7.3	13.1	9.9	24.1	11.0	7.2	8.4
District of Columbia	8,613	9,210	9,599	10,392	11,201	11,926	12,626	5.9	6.0	6.0	16.3	7.8	8.7	7.2	2.0	8.2	8.5	.6	3.9
Maryland	50,847	54,411	58,647	64,544	70,128	75,233	80,367	6.8	7.9	8.1	17.6	13.9	.7	7.9	7.9	14.2	9.6	7.3	6.5
New Jersey	95,954	103,773	112,510	123,602	133,487	143,849	153,961	7.0	8.6	8.6	17.5	13.8	3.3	6.7	9.3	18.6	9.7	7.7	8.4
New York	208,172	223,261	239,979	263,537	280,690	301,769	321,832	6.6	7.2	7.3	13.6	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	7.8	6.4	11.4	8.2	6.9	7.1
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	.9	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	8,873	6.2	7.2	5.5	5.9	4.4	3.7	2.9	4.8	9.5	6.0	4.8	6.6
Southeast	**505,500**	**537,110**	**577,331**	**634,235**	**681,750**	**727,287**	**772,119**	**6.2**	**6.9**	**7.0**	**−.2**	**3.8**	**5.0**	**6.6**	**6.6**	**12.5**	**10.0**	**1.9**	**6.8**
Alabama	33,261	34,851	37,093	40,349	43,225	45,854	48,098	4.9	5.2	5.6	−1.8	3.6	4.7	4.9	5.1	7.9	10.1	−2.5	4.0
Arkansas	19,139	19,855	21,158	23,309	24,846	26,194	27,090	3.4	3.2	4.1	−.6	−5.6	5.4	6.1	3.7	3.6	7.2	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	55,787	61,211	68,920	75,513	82,103	87,720	6.8	7.4	7.6	13.1	−.9	5.2	8.9	6.8	13.3	11.6	2.7	7.5
Kentucky	32,738	34,281	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	50,376	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	4.7	−.6	−3.0	7.1	6.0	3.7	5.7	5.0	1.4	6.7
Idaho	8,946	9,079	9,778	10,357	10,926	11,245	11,799	4.9	5.5	3.5	−11.6	−6.2	6.2	.5	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	14,998	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	352,438	389,183	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	4.9	7.9
Oregon	27,889	28,263	30,010	32,302	34,113	36,027	37,826	5.0	5.5	5.6	11.2	.4	4.9	5.7	4.1	11.5	8.0	5.8	4.6
Washington	49,260	51,420	54,552	58,416	62,191	66,848	70,091	4.9	4.9	5.3	12.0	3.8	2.4	3.6	4.6	8.3	8.9	.2	5.8
Alaska	6,449	7,739	8,758	9,140	9,659	9,587	9,395	−2.0	−4.5	−4.5	−1.5	−21.6	11.0	−3.4	−8.6	−6.1	−4.3	−14.4	.8
Hawaii	11,051	11,732	12,875	13,628	14,555	15,572	16,634	6.8	7.5	8.4	33.8	16.1	4.7	12.6	10.2	12.7	8.1	4.0	4.5
	Census Regions																		
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
Middle Atlantic	433,240	462,978	494,671	538,525	574,911	615,006	654,789	6.5	7.4	7.4	7.8	10.6	2.0	4.7	6.5	15.7	8.6	3.5	8.2
East North Central	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
West North Central	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
South Atlantic	383,982	410,558	446,067	492,854	535,068	576,486	616,536	6.9	7.9	8.1	4.6	6.1	5.2	7.4	7.8	14.2	10.8	3.3	7.3
East South Central	126,360	132,653	139,609	152,601	161,674	171,177	181,261	5.9	6.6	6.5	1.5	6.8	4.8	7.3	6.0	10.5	8.9	1.8	5.9
West South Central	258,764	281,104	293,427	316,437	336,731	342,258	349,825	2.2	1.5	1.2	−7.1	−10.9	1.2	3.1	−1.4	4.2	5.9	−4.5	4.1
Mountain	122,270	130,080	139,079	151,389	162,707	171,972	180,239	4.8	4.8	4.4	.2	−8.6	5.1	5.1	4.0	9.0	6.9	2.1	5.8
Pacific	403,380	427,187	458,634	502,669	543,343	583,335	622,519	6.7	7.4	7.6	4.1	8.8	5.3	4.2	4.5	16.5	10.2	3.8	7.1

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1. The personal income level shown for the United States differs from that in the national income and product accounts primarily because it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents who are employed abroad temporarily by private U.S. firms.

2. The percent change was calculated from unrounded data.

3. Consists of wage and salary disbursements, other labor income, and proprietors' income.

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]						
	Dollars							Rank in U.S.		Dollars						Rank in U.S.
	1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p	1986	1987	1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1986
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	16,328	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	16,980	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	14,734	15,533	16,347	9	9	11,944	12,356	12,859	14,007	14,734	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	10,866	11,101	11,866	13,030	14,039	14,816	15,330	16	18	10,866	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	13,983	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	14,952	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	11,950	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	8,811	9,208	9,753	10,652	11,302	12,002	12,738	38	37	8,811	9,208	9,752	10,649	11,298	11,995	38
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	10,091	10,316	11,072	12,077	12,951	13,640	14,030	26	29	10,100	10,332	11,095	12,101	12,983	13,638	26
New Mexico	9,023	9,506	9,840	10,499	11,215	11,435	11,673	41	45	9,020	9,503	9,837	10,495	11,208	11,428	41
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	13,480	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	18,329	.....	.....	11,700	12,572	13,544	14,910	15,963	17,182	.....
Middle Atlantic	11,759	12,551	13,357	14,501	15,457	16,482	17,492	.....	.....	11,759	12,554	13,363	14,509	15,467	16,497	.....
East North Central	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	.....
West North Central	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	.....
South Atlantic	10,159	10,714	11,473	12,467	13,305	14,082	14,791	.....	.....	10,160	10,716	11,475	12,468	13,307	14,090	.....
East South Central	8,546	8,919	9,338	10,146	10,687	11,261	11,855	.....	.....	8,545	8,920	9,337	10,146	10,684	11,255	.....
West South Central	10,573	11,114	11,328	12,072	12,683	12,740	13,000	.....	.....	10,574	11,113	11,332	12,077	12,690	12,742	.....
Mountain	10,413	10,792	11,290	12,075	12,744	13,247	13,689	.....	.....	10,414	10,794	11,293	12,078	12,751	13,245	.....
Pacific	12,385	12,875	13,578	14,634	15,512	16,311	17,040	.....	.....	12,386	12,877	13,579	14,635	15,513	16,323	.....

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1. Per capita personal income was computed using revised Bureau of the Census State population estimates.

2. Per capita personal income was computed using the sum of the Bureau of the Census' county population estimates as of March 1, 1988.

Table 3 presents per capita personal income based on two sets of population estimates prepared by the Bureau of the Census. The set of State population estimates derived as the sum of county estimates (which are also used for the per capita personal income for counties, metropolitan areas, and States appearing on pages 51–71) has not been revised by the Bureau of the Census to agree with the most recent State estimates of population. The per capita personal income estimates that incorporate the most recent State population estimates are to be regarded as the official estimates.

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

Area name	Total: Millions of dollars 1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p	Percent change 1986–87	Per capita [1]: Dollars 1981 r	1982 r	1983 r	1984 r	1985 r	1986 r	1987 p	Rank in U.S. 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	79,782	86,397	92,646	7.2	9,816	10,719	11,560	12,847	13,702	14,809	15,822	10	3
New Hampshire	8,871	9,633	10,722	12,221	13,439	14,703	15,824	7.6	9,466	10,160	11,183	12,495	13,460	14,311	14,970	14	6
Rhode Island	8,560	9,145	10,061	11,008	11,606	12,442	13,150	5.7	8,989	9,596	10,536	11,466	12,005	12,765	13,337	25	14
Vermont	4,251	4,566	4,842	5,300	5,663	6,174	6,536	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	9,231	9,861	10,317	4.6	11,208	11,846	12,551	13,745	14,814	15,770	16,591		
Maryland	41,619	44,716	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	12,394	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	154,663	162,140	4.8	10,069	10,551	11,078	12,064	12,687	13,390	13,999	7	9
Indiana	46,633	47,945	50,372	56,201	58,770	62,287	65,465	5.1	8,496	8,743	9,201	10,234	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	28	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	43,375	45,266	49,025	53,832	57,502	61,081	63,862	4.6	8,782	9,157	9,875	10,757	11,423	12,063	12,515	30	23
Nebraska	14,451	14,726	15,457	17,291	18,324	19,219	19,939	3.7	9,129	9,262	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	28,229	29,767	31,738	34,844	36,796	38,984	40,534	4.0	7,187	7,548	8,009	8,731	9,153	9,626	9,927	48	45
Arkansas	16,588	17,018	18,412	20,127	21,651	22,892	23,508	2.7	7,211	7,375	7,917	8,578	9,178	9,657	9,843	47	46
Florida	94,418	100,350	112,902	124,279	135,177	146,501	156,143	6.6	9,262	9,580	10,494	11,244	11,886	12,528	12,987	17	19
Georgia	43,723	47,181	51,521	58,010	63,146	68,807	73,088	6.2	7,850	8,345	8,983	9,927	10,571	11,280	11,747	39	33
Kentucky	28,195	29,521	30,690	33,684	34,796	36,544	38,263	4.7	7,671	7,989	8,261	9,047	9,334	9,808	10,266	42	41
Louisiana	35,630	38,316	40,264	42,610	44,005	43,875	43,842	−.1	8,286	8,741	9,066	9,550	9,812	9,752	9,829	35	47
Mississippi	16,527	17,683	18,488	20,012	21,013	22,061	23,061	4.5	6,495	6,889	7,157	7,701	8,041	8,406	8,787	50	50
North Carolina	44,905	47,975	52,333	58,693	62,015	66,840	71,112	6.4	7,536	7,970	8,607	9,514	9,906	10,557	11,088	44	36
South Carolina	22,684	24,016	26,043	28,995	30,760	32,747	34,702	6.0	7,120	7,458	8,005	8,797	9,227	9,685	10,133	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	13,138	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	8,960	9,721	9,908	9,949	41	44
Oklahoma	27,546	30,143	31,406	32,967	32,726	33,129	32,986	−.4	8,871	9,351	9,469	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	9,882	10,340	4.6	7,974	8,017	8,755	9,159	9,568	9,863	10,359	38	40
Montana	6,777	7,048	7,238	7,705	8,004	8,500	8,653	1.8	8,516	8,755	8,873	9,358	9,699	10,401	10,692	33	38
Utah	11,262	12,022	13,058	14,218	15,105	15,768	16,148	2.4	7,431	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	10,803	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	303,927	335,105	362,246	390,732	416,031	6.5	10,836	11,330	12,009	12,998	13,743	14,471	15,039	4	5
Nevada	8,888	9,344	10,135	10,804	11,645	12,611	13,534	7.3	10,519	10,659	11,325	11,799	12,387	13,036	13,436	5	13
Oregon	23,516	23,806	25,634	27,926	29,177	31,012	32,209	3.9	8,803	8,912	9,628	10,422	10,851	11,475	11,825	29	31
Washington	42,091	44,637	47,957	51,923	55,154	59,309	61,817	4.2	9,934	10,433	11,143	11,938	12,517	13,290	13,621	9	11
Alaska	5,255	6,425	7,331	7,788	8,361	8,283	8,040	−2.9	12,648	14,413	15,179	15,414	16,014	15,564	15,307	1	4
Hawaii	9,418	10,213	11,100	11,886	12,574	13,444	14,277	6.2	9,608	10,238	10,898	11,475	11,962	12,626	13,189	13	16
Census Regions																	
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		
Middle Atlantic	362,731	386,982	418,660	456,264	483,914	518,233	547,252	5.6	9,845	10,491	11,305	12,286	13,010	13,889	14,619		
East North Central	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		
West North Central	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		
South Atlantic	323,354	346,385	380,281	421,208	454,020	489,823	520,224	6.2	8,568	9,040	9,781	10,654	11,290	11,965	12,480		
East South Central	108,442	114,343	120,739	132,774	139,538	147,982	155,625	5.2	7,334	7,688	8,076	8,828	9,224	9,735	10,178		
West South Central	217,095	237,268	252,401	273,030	289,484	294,367	298,433	1.4	8,870	9,381	9,744	10,416	10,904	10,958	11,090		
Mountain	103,954	110,504	120,118	130,868	140,157	148,222	154,217	4.0	8,853	9,168	9,751	10,438	10,978	11,418	11,712		
Pacific	343,242	365,894	395,950	434,628	467,512	502,780	532,374	5.9	10,538	11,028	11,723	12,653	13,347	14,059	14,572		

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1. Per capita disposable personal income was computed using revised Bureau of the Census State population estimates.

CURRENT BUSINESS STATISTICS

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

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Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in 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																	
PERSONAL INCOME BY SOURCE																	
Seasonally adjusted, at annual rates:																	
Total personal income	bil. $	3,534.3	3,746.5	3,671.2	3,683.4	3,701.9	3,708.5	3,715.3	3,739.2	3,760.6	3,783.2	3,854.4	3,839.8	3,869.1	r3,872.5	r3,894.7	3,924.3
Wage and salary disbursements, total	do	2,089.1	2,212.7	2,166.4	2,173.1	2,181.5	2,193.7	2,198.9	2,209.7	2,228.8	2,239.8	2,257.6	2,271.9	2,281.1	r2,293.3	r2,306.9	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	r657.5	r659.8	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	r497.6	r497.6	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	r540.4	r543.6	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	r658.4	r664.4	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	r214.9	r215.4	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	r38.9	r42.4	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	r290.0	r292.0	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	r21.9	r21.1	20.3
Dividends	do	81.2	87.5	84.4	85.0	85.3	86.5	87.0	87.9	88.8	89.4	90.0	90.5	91.0	91.4	92.2	92.6
Personal interest income	do	497.6	516.2	499.8	501.6	503.8	506.3	508.8	514.0	519.8	526.2	533.0	538.9	544.5	r545.3	r545.9	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	r565.3	r568.3	573.6
Less: Personal contributions for social insurance	do	159.6	169.9	167.0	167.3	167.7	168.6	168.9	169.6	170.8	171.6	172.8	173.7	174.3	r188.4	r189.5	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	r3,811.7	r3,830.3	3,851.2
DISPOSITION OF PERSONAL INCOME																	
Seasonally adjusted, at annual rates:																	
Total personal income	bil. $	3,534.3	3,746.5	3,671.2	3,683.4	3,701.9	3,708.5	3,715.3	3,739.2	3,760.6	3,783.2	3,854.4	3,839.8	3,869.1	r3,872.5	r3,894.7	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	r575.6	r572.3	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	r3,296.9	r3,322.5	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	r3,143.2	r3,168.0	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	r3,045.3	r3,069.5	3,091.3
Durable goods	do	402.4	413.7	405.7	400.7	408.6	402.7	415.8	424.6	447.8	438.0	403.4	412.0	423.5	r419.7	r428.9	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	r992.0	r990.0	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	r1,633.6	r1,650.6	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	r96.6	r97.0	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	r1.4	r1.4	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	r153.7	r154.5	151.1
Personal saving as percentage of disposable personal income §	percent	4.3	3.7	4.4	3.3	3.4	3.0	3.5	2.9	2.8	3.5	4.3	4.8	r4.5	r4.6	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	r2,721.2	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	r2,513.5	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	r390.5	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	r873.0	874.2	.....
Services	do	1,189.8	1,230.9	1,218.2	1,222.6	1,222.5	1,221.5	1,225.3	1,233.7	1,241.2	1,239.6	1,250.2	1,242.3	1,244.4	r1,250.1	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	r121.2	121.2	.....
INDUSTRIAL PRODUCTION ◊																	
Federal Reserve Board Index of Quantity Output																	
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	r130.9	p134.2	e134.1
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	r108.1	r111.8	p111.7	e106.4
Manufacturing	do	129.1	r134.7	130.7	132.0	131.5	132.4	137.4	133.5	139.2	140.9	141.0	137.5	r134.0	r134.5	p138.3	e139.1
Nondurable manufactures	do	130.1	r136.8	130.5	131.6	132.5	134.1	140.5	138.7	145.0	145.8	143.0	139.1	r135.0	r134.6	p138.9	e139.2
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	r133.3	r134.4	p137.8	e139.0
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	r133.9	r134.4	p134.4	e134.6
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	r141.3	r142.8	p143.2	e143.3
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	r139.8	r141.1	p141.6	e141.9
Consumer goods	do	124.0	r127.8	126.4	126.7	125.5	127.3	127.2	128.9	129.4	127.7	129.0	129.4	r129.8	r131.4	p131.9	e131.9

See footnotes at end of tables.

GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
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	r121.5	p121.2	e122.0
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	r118.8	p117.9	e121.0
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	p111.8	e116.4
Autos, consumer	do	97.3	90.7	104.1	101.7	90.8	92.7	87.4	86.4	76.8	79.1	94.7	91.9	83.7	77.5	p79.5	e86.3
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	p171.6	.....
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	p123.8	e122.7
Nondurable consumer goods	do	127.1	r130.6	128.4	129.3	128.7	130.0	130.9	132.1	132.5	131.0	130.8	131.5	r133.3	r135.0	p135.8	e135.5
Consumer staples	do	133.9	r137.4	134.9	136.3	135.5	136.7	137.6	138.9	139.2	137.8	137.4	138.3	r140.7	r142.6	p143.6	e143.3
Consumer foods and tobacco	do	132.7	r136.3	134.5	135.6	134.5	136.0	136.0	137.2	137.4	137.0	137.5	137.3	r139.2	r140.5	p141.2	.....
Nonfood staples	do	135.2	138.5	135.4	137.0	136.5	137.5	139.2	140.6	141.2	138.6	137.2	139.4	r142.2	r144.8	p146.1	e146.7
Equipment	do	143.6	r148.9	146.0	146.2	146.4	146.3	148.1	149.7	150.2	151.2	153.0	152.2	r153.1	r154.0	p154.4	e155.2
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	r157.8	r158.9	p159.3	e160.0
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	r149.8	r150.9	p151.4	e152.4
Construction, mining, and farm	do	55.7	62.2	54.7	57.2	57.4	60.3	63.0	65.0	66.4	66.1	66.5	66.3	r67.4	r67.3	p65.8	e66.3
Manufacturing	do	114.0	117.9	115.3	113.9	114.4	114.4	117.2	120.4	120.9	122.0	120.5	120.6	122.2	r125.3	p125.5	e126.5
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	r86.2	p87.0	e87.6
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	r235.5	r237.3	p238.4	e239.5
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	r106.5	p107.7	e109.0
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	r188.9	r190.1	p190.3	e189.8
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	r146.5	r148.5	p148.8	e148.3
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	r133.8	r136.9	p136.2	e134.4
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	r157.4	r158.4	p159.6	.....
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	r123.7	r123.0	p122.4	e122.6
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	r132.0	r131.6	p130.9	e131.3
Nondurable goods materials	do	117.5	r125.9	120.8	121.5	124.1	123.9	124.1	127.6	128.3	128.6	128.2	129.6	r132.5	r130.4	p130.0	e130.3
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	r101.7	r101.5	p100.7	e100.5
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	r107.3	r107.5	p107.1	e106.9
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	r104.6	r102.9	p101.9	e102.3
Metal mining	do	74.2	r77.6	73.6	71.2	65.7	71.7	70.7	71.4	79.3	86.5	85.6	90.4	r96.5	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	p133.7	e131.0
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	r92.5	p92.4	e93.5
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	r100.7	r99.1	p98.0	.....
Natural gas	do	83.9	85.5	86.2	85.8	85.1	84.4	83.9	83.7	84.9	84.9	84.5	88.2	88.6	87.8	.....	.....
Stone and earth minerals	do	123.1	128.2	122.1	123.8	125.4	127.6	128.5	130.7	130.3	130.0	131.0	134.1	135.6	r132.2	p133.4	.....
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	r111.7	r115.2	p115.8	e114.4
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	r130.3	p131.2	.....
Manufacturing	do	129.1	r134.7	131.6	132.4	132.4	133.2	134.0	135.6	135.9	135.7	137.3	137.9	r138.9	r139.5	p139.5	e139.8
Nondurable manufactures	do	130.1	r136.8	132.9	133.7	134.6	135.7	136.9	138.5	138.8	138.6	138.1	139.6	r141.3	r141.9	p141.8	e141.9
Foods	do	134.4	r137.8	136.4	137.3	136.0	137.4	137.7	138.5	138.8	139.5	138.0	138.9	r140.1	r141.2	p142.0	.....
Tobacco products	do	97.1	r103.5	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	r115.9	110.8	112.6	116.6	115.7	117.2	118.3	119.8	118.2	116.8	117.3	r118.2	r116.2	p116.0	.....
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	p108.0	.....
Paper and products	do	136.5	144.4	139.9	139.9	140.5	141.3	142.6	148.8	148.9	147.4	146.0	148.3	150.6	r149.7	p148.1	.....
Printing and publishing	do	160.9	r172.1	164.4	167.6	169.2	171.4	174.1	174.0	174.7	174.9	175.2	175.7	r176.9	r179.2	p180.7	e181.4
Chemicals and products	do	132.0	r140.2	135.7	135.3	137.3	138.1	139.3	140.8	142.3	142.4	141.5	144.4	r147.9	r148.9	p148.0	.....
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	r96.3	p96.6	e97.8
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	r170.3	p170.7	.....
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	p58.9	.....
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	r137.3	r137.7	p137.9	e138.3
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	r136.1	p135.5	.....
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	r157.4	p156.1	.....
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	118.9	120.5	120.1	r120.2	p120.8	.....
Primary metals	do	75.1	r81.3	75.1	77.0	76.1	77.0	78.8	81.4	85.1	84.5	90.6	90.2	r90.6	r86.6	p85.6	e85.9
Iron and steel	do	63.4	r70.6	62.3	65.4	65.0	65.7	68.3	70.9	76.0	74.6	82.0	79.7	r81.9	r77.9	p75.7	.....
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	r107.0	r103.0	p104.3	.....
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	r117.2	p117.9	e118.2
Nonelectrical 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	r162.5	p162.7	e164.0
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	r175.9	r177.0	p177.8	e177.9
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	r128.6	p128.4	e129.9
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	r109.7	p109.1	e112.8
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	r145.5	r148.7	p149.3	e149.1
BUSINESS SALES																	
Mfg. and trade sales (unadj.), total	mil. $	5,109,020	5,421,136	414,705	454,224	448,436	452,968	470,810	440,647	454,274	471,554	474,997	456,545	490,348	r423,137	449,234	.....
Mfg. and trade sales (seas. adj.), total	do	r5,109,020	5,421,136	r442,408	r445,574	444,357	446,282	451,734	452,652	457,499	462,434	462,411	460,616	466,142	r465,730	468,302	.....
Manufacturing, total	do	r2,273,298	2,408,578	r195,350	197,430	195,958	196,929	200,591	199,395	200,404	205,732	206,396	207,226	211,356	r207,241	207,385	.....
Durable goods industries	do	1,201,704	1,263,601	r103,256	104,750	102,747	102,477	104,476	103,032	104,135	108,438	108,251	108,378	113,026	r108,946	109,532	.....
Nondurable goods industries	do	1,071,594	1,144,977	r92,094	92,680	93,211	94,452	96,115	96,363	96,269	97,299	98,145	98,848	98,330	r98,295	97,853	.....
Retail trade, total ‡	do	r1,437,497	1,510,579	r123,292	r124,105	r124,744	r124,775	r126,511	r127,230	r129,981	r127,815	r126,808	r127,248	r128,615	r128,769	129,579	.....
Durable goods stores	do	r538,618	r559,105	r44,883	r45,785	r46,028	r45,683	r46,984	r47,579	r49,614	r47,948	r46,889	r47,067	r48,000	r48,689	49,649	.....
Nondurable goods stores	do	r898,879	r951,474	r78,409	r78,320	r78,716	r79,092	r79,527	r79,651	r80,367	r79,867	r79,919	r80,181	r80,615	r80,080	79,930	.....
Merchant wholesalers, total †	do	r1,392,313	1,520,827	r124,291	r124,039	r124,550	r125,511	r126,599	r127,705	r129,662	r131,437	r131,743	r128,501	r128,332	r129,720	131,338	.....
Durable goods establishments	do	r681,177	r739,277	r60,675	r60,632	r60,303	r60,686	r61,830	r62,155	r62,387	r63,584	r64,265	r62,325	r61,983	r62,486	63,480	.....
Nondurable goods establishments	do	r711,136	r781,550	r63,616	r63,407	r64,247	r64,825	r64,769	r65,550	r67,275	r67,853	r67,478	r66,176	r66,349	r67,234	67,858	.....
Mfg. and trade sales in constant (1982) dollars (seas. adj.), total	bil. $	.....	.....	438.5	435.9	434.3	433.2	435.0	438.2	440.3	443.1	442.3	438.5	440.4	r440.9	442.6	.....
Manufacturing	do	.....	.....	196.7	195.0	193.9	193.8	195.3	196.3	195.3	199.3	200.4	200.1	200.9	r201.1	201.6	.....
Retail trade	do	.....	.....	118.3	118.0	117.8	117.1	118.0	118.7	120.0	117.6	116.4	116.5	117.9	117.9	119.1	.....
Merchant wholesalers	do	.....	.....	123.5	123.0	122.6	122.2	121.7	123.2	125.0	126.2	125.5	122.0	121.6	r121.8	121.9	.....

See footnotes at end of tables.

GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
BUSINESS INVENTORIES																	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total	mil. $	643,308	692,801	r665,179	667,650	672,221	673,898	673,618	674,002	671,546	678,293	699,538	707,711	692,801	r706,576	715,408	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total	mil. $	652,624	r709,853	r665,679	r668,517	665,877	671,609	674,753	677,743	678,442	682,323	689,926	696,416	r709,853	r715,027	715,852	
Manufacturing, total	do	318,238	333,656	r320,131	320,090	320,785	321,848	321,621	323,333	325,394	326,670	328,554	331,812	333,656	r336,815	338,390	
Durable goods industries	do	207,854	216,753	r208,431	207,987	208,683	209,096	208,654	209,951	210,921	211,680	213,436	215,931	216,753	r219,014	220,188	
Nondurable goods industries	do	110,384	116,903	r111,700	112,103	112,102	112,752	112,967	113,382	114,473	114,990	115,118	115,881	116,903	r117,801	118,202	
Retail trade, total ‡	do	r185,996	r211,100	r190,282	r193,186	r194,576	r196,806	r200,424	r202,210	r202,684	r203,708	r206,577	r208,260	r211,100	r209,824	207,572	
Durable goods stores	do	r91,085	r107,948	r94,507	r96,162	r96,352	r98,712	r100,716	r101,590	r101,569	r102,394	r104,846	r106,490	r107,948	r106,377	103,746	
Nondurable goods stores	do	r94,911	r103,152	r95,775	r97,024	r98,224	r98,094	r99,708	r100,620	r101,115	r101,314	r101,731	r101,770	r103,152	r103,447	103,826	
Merchant wholesalers, total †	do	r152,887	r165,097	r154,812	r155,241	r155,767	r158,560	r158,835	r158,611	r157,072	r159,135	r162,517	r163,353	r165,097	r168,388	169,890	
Durable goods establishments	do	r100,871	r107,996	r101,710	r102,803	r103,172	r105,513	r104,746	r104,514	r103,324	r103,933	r106,734	r106,503	r107,996	r111,259	112,182	
Nondurable goods establishments	do	r52,016	r57,101	r53,102	r52,438	r52,595	r53,047	r54,089	r54,097	r53,748	r55,202	r55,783	r56,850	r57,101	r57,129	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	r674.5	675.6	
Manufacturing	do			319.3	318.3	318.7	319.3	317.2	318.9	319.5	320.2	320.3	322.1	322.6	r325.3	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	r187.5	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	r161.7	162.8	
BUSINESS INVENTORY-SALES RATIOS																	
Manufacturing and trade, total	ratio	1.54	r1.50	r1.50	r1.50	1.50	1.50	1.49	1.50	1.48	1.48	1.49	1.51	r1.52	r1.54	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	r1.63	1.63	
Durable goods industries	do	2.11	2.00	r2.02	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	r.58	.57	.58	.58	.57	.58	.57	.55	.55	.55	.54	.56	.56	
Work in process	do	.97	.92	r.93	.91	.93	.93	.92	.94	.94	.91	.92	.93	.90	r.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	r1.21	1.21	1.20	1.19	1.18	1.18	1.19	1.18	1.17	1.17	1.19	r1.20	1.21	
Materials and supplies	do	.48	.46	.47	.47	.47	.47	.46	.46	.46	.47	.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	r.54	.54	
Retail trade, total ‡	do	r1.55	1.58	r1.55	r1.56	1.56	1.58	1.58	1.59	r1.56	r1.59	r1.63	r1.64	r1.64	1.63	1.60	
Durable goods stores	do	r2.13	r2.19	r2.12	r2.10	r2.09	r2.16	r2.14	r2.14	r2.05	r2.14	r2.24	r2.26	r2.25	r2.18	2.09	
Nondurable goods stores	do	r1.21	r1.22	r1.22	r1.24	r1.25	r1.24	r1.25	r1.26	r1.26	r1.27	r1.27	r1.27	r1.28	r1.29	1.30	
Merchant wholesalers, total †	do	r1.30	r1.25	r1.25	r1.25	r1.25	r1.26	r1.25	r1.24	r1.21	r1.21	r1.23	r1.27	r1.29	r1.30	1.29	
Durable goods establishments	do	r1.76	r1.69	r1.68	r1.70	r1.71	r1.74	r1.69	r1.68	r1.66	r1.63	r1.66	r1.71	r1.74	r1.78	1.77	
Nondurable goods establishments	do	r.86	r.83	.83	r.83	r.82	r.82	r.84	r.83	r.80	.81	r.83	r.86	r.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	r1.53	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	r1.62	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	r1.59	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	r1.33	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	r190,746	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	100,585	114,002	111,685	107,625	108,872	r97,974	110,773	
Stone, clay, and glass products	do	56,787	60,977	4,806	5,130	5,264	5,144	5,380	4,909	5,092	5,572	5,699	5,132	4,552	r4,446	4,833	
Primary metals	do	101,733	111,456	8,694	8,950	9,012	9,034	9,623	8,684	9,239	10,005	10,211	10,152	10,205	r9,803	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	r4,333	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	r10,269	11,635	
Machinery, except electrical	do	205,804	212,759	16,442	18,685	17,123	17,187	19,552	16,400	16,626	19,733	18,544	17,776	20,615	r16,555	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	r17,540	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	28,820	27,452	26,979	r24,547	28,865	
Motor vehicles and parts	do	194,725	201,163	19,635	19,106	18,145	17,512	17,700	11,408	13,737	17,076	18,749	17,425	14,348	r15,828	18,834	
Instruments and related products	do	60,860	63,277	5,075	5,494	4,972	5,185	5,724	4,976	5,150	5,791	5,485	5,389	5,597	r4,903	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	r92,772	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	r27,331	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	r4,083	4,627	
Paper and allied products	do	103,834	118,831	9,818	9,777	9,516	9,591	10,295	9,772	10,094	10,435	10,367	10,071	10,112	r10,525	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	r18,533	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	r10,174	9,880	
Rubber and plastics products	do	72,170	78,897	6,730	6,782	6,646	6,598	7,041	5,825	6,330	6,868	7,179	6,827	6,212	r6,323	7,050	
Shipments (seas. adj.), total	do			r195,350	197,430	195,958	196,929	200,591	199,395	200,404	205,732	206,396	207,226	211,356	r207,241	207,385	
By industry group:																	
Durable goods industries, total #	do			r103,256	104,750	102,747	102,477	104,476	103,032	104,135	108,433	108,251	108,378	113,026	r108,946	109,532	
Stone, clay, and glass products	do			r5,127	5,140	5,064	4,961	4,946	4,934	4,872	5,098	5,382	5,282	5,280	r5,136	5,151	
Primary metals	do			r8,410	8,395	8,491	8,643	9,018	9,336	9,282	9,950	10,113	10,608	11,273	r10,371	10,213	
Blast furnaces, steel mills	do			r3,503	3,510	3,605	3,721	3,879	4,077	4,118	4,353	4,510	4,741	4,794	r4,501	4,607	
Fabricated metal products	do			r11,585	11,498	11,357	11,062	11,202	11,013	10,959	11,061	10,915	11,166	11,460	r11,264	11,600	
Machinery, except electrical	do			r16,839	17,035	17,086	17,110	17,328	18,095	18,100	18,580	18,546	18,103	19,351	r19,692	19,412	
Electrical machinery	do			r17,957	18,038	17,872	18,326	18,527	18,801	19,133	19,321	19,163	19,377	19,471	r19,805	19,439	
Transportation equipment	do			r27,215	28,498	26,835	26,323	26,985	24,108	25,288	27,667	27,480	27,107	29,156	r25,713	26,787	
Motor vehicles and parts	do			r17,738	17,373	16,762	16,320	16,297	14,481	15,828	16,788	17,491	17,116	17,050	r16,239	16,933	
Instruments and related products	do			r5,138	5,219	5,167	5,216	5,284	5,354	5,250	5,458	5,418	5,375	5,398	r5,411	5,461	
Nondurable goods industries, total #	do			r92,094	92,680	93,211	94,452	96,115	96,363	96,269	97,299	98,145	98,848	98,330	r98,295	97,853	
Food and kindred products	do			r27,116	26,902	27,555	27,498	27,880	28,382	27,943	28,405	28,713	28,646	28,389	r29,383	28,976	
Tobacco products	do			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			r4,663	4,579	4,622	4,585	4,754	4,862	4,816	4,818	4,793	4,880	4,587	r4,710	4,693	
Paper and allied products	do			r9,503	9,428	9,451	9,547	9,786	10,275	9,950	10,200	10,408	10,451	10,600	r10,777	10,594	
Chemicals and allied products	do			r17,107	17,097	17,514	17,887	17,779	18,008	18,048	18,202	18,519	18,850	18,626	r18,883	18,869	
Petroleum and coal products	do			r10,077	10,215	10,384	10,743	11,074	11,470	11,717	11,158	11,312	11,099	10,796	r10,366	10,078	
Rubber and plastics products	do			r6,588	6,733	6,545	6,528	6,591	6,142	6,392	6,505	6,745	6,826	6,869	r6,795	6,893	

See footnotes at end of tables.

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GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																	
Shipments (seas. adj.)—Continued																	
By market category:																	
Home goods and apparel	mil. $	r153,075	162,635	r13,241	13,306	13,330	13,438	13,746	13,518	13,683	13,795	13,732	13,677	13,725	r13,961	13,665	.....
Consumer staples	do	r447,890	476,050	r38,555	38,537	38,897	39,477	40,151	39,604	40,044	40,602	40,403	40,859	40,852	r40,835	40,724	.....
Equipment and defense products, except auto	do	r372,198	385,413	r30,325	32,114	31,169	31,151	32,000	32,516	32,349	33,531	32,797	32,282	35,361	r34,097	34,147	.....
Automotive equipment	do	r217,223	225,420	r19,716	19,399	18,852	18,344	18,379	16,493	17,806	18,851	19,661	19,053	18,927	r18,288	19,009	.....
Construction materials, supplies, and intermediate products	do	r179,596	192,845	r16,557	16,262	15,931	15,619	15,745	16,117	15,732	16,115	16,187	16,600	16,817	r16,456	16,704	.....
Other materials, supplies, and intermediate products	do	r903,316	965,981	r76,956	77,812	77,779	78,900	80,570	81,147	81,314	82,838	83,616	84,755	85,674	r83,604	83,136	.....
Supplementary series:																	
Household durables	do	r71,541	75,958	r6,223	6,132	6,175	6,294	6,445	6,164	6,376	6,407	6,428	6,566	6,433	r6,717	6,552	.....
Capital goods industries	do	r428,686	446,907	r35,228	37,227	36,079	36,211	37,289	37,012	37,289	39,233	38,129	37,862	40,825	r39,083	38,911	.....
Nondefense	do	r321,761	337,113	r26,804	27,353	27,319	26,974	27,852	28,106	28,494	29,709	28,995	28,622	30,731	r30,650	30,521	.....
Defense	do	r106,925	109,794	r8,424	9,874	8,760	9,237	9,437	8,906	8,795	9,524	9,134	9,240	10,094	r8,433	8,390	.....
Inventories, end of year or month:																	
Book value (non-LIFO basis), (unadjusted), total	do	313,697	328,816	321,166	320,743	322,978	324,696	322,472	324,070	326,648	325,852	328,414	330,713	328,816	r335,081	339,558	.....
Durable goods industries, total	do	204,025	212,704	208,809	208,758	210,363	211,505	209,890	210,939	212,106	211,586	213,166	214,613	212,704	r216,882	220,641	.....
Nondurable goods industries, total	do	109,672	116,112	112,357	111,985	112,615	113,191	112,582	113,131	114,542	114,266	115,248	116,100	116,112	r118,199	118,917	.....
Book value (non-LIFO basis), (seasonally adjusted), total	do	318,238	333,656	r320,131	320,090	320,785	321,848	321,621	323,333	325,394	326,670	328,554	331,812	333,656	r336,815	338,390	.....
By industry group:																	
Durable goods industries, total #	do	207,854	216,753	r208,431	207,987	208,683	209,096	208,654	209,951	210,921	211,680	213,436	215,931	216,753	r219,014	220,188	.....
Stone, clay, and glass products	do	6,978	7,162	r6,993	7,021	6,988	7,015	6,973	7,020	7,055	7,029	7,096	7,135	7,162	r7,136	7,149	.....
Primary metals	do	17,211	17,542	r16,710	16,587	16,520	16,312	16,228	16,229	16,466	16,667	16,940	17,249	17,542	r18,020	18,128	.....
Blast furnaces, steel mills	do	7,786	8,022	r7,524	7,450	7,381	7,287	7,270	7,296	7,407	7,514	7,715	7,849	8,022	8,415	8,407	.....
Fabricated metal products	do	21,175	22,072	r21,346	21,433	21,366	21,343	21,223	21,402	21,501	21,747	21,927	21,971	22,072	r22,361	22,466	.....
Machinery, except electrical	do	41,518	41,418	r41,295	41,081	41,228	41,092	40,902	40,824	40,879	40,512	40,944	41,191	41,418	r41,832	42,126	.....
Electrical machinery	do	38,878	39,975	r39,108	38,995	39,164	39,277	39,220	39,277	39,384	39,579	39,788	40,190	39,975	r40,195	40,260	.....
Transportation equipment	do	52,786	58,079	r53,433	53,271	53,735	54,084	54,199	55,092	55,582	55,987	56,790	57,889	58,079	r58,827	59,012	.....
Motor vehicles and parts	do	11,090	11,413	r11,042	11,203	11,082	11,188	11,155	11,160	10,961	11,324	11,267	11,459	11,413	r11,806	11,694	.....
Instruments and related products	do	12,585	12,710	r12,649	12,509	12,459	12,544	12,461	12,511	12,561	12,675	12,560	12,619	12,710	r12,757	12,875	.....
By stage of fabrication:																	
Materials and supplies	do	59,371	60,494	r59,441	59,230	59,770	59,723	59,759	59,417	59,328	59,554	59,587	60,031	60,494	r60,930	61,149	.....
Work in process	do	95,310	101,246	r95,738	95,052	95,335	95,768	96,060	96,904	97,706	98,623	99,390	100,824	101,246	r102,221	103,013	.....
Finished goods	do	53,173	55,013	r53,252	53,705	53,578	53,605	52,835	53,630	53,887	53,503	54,459	55,076	55,013	r55,863	56,026	.....
Nondurable goods industries, total #	do	110,384	116,903	r111,700	112,103	112,102	112,752	112,967	113,382	114,473	114,990	115,118	115,881	116,903	r117,801	118,202	.....
Food and kindred products	do	25,528	27,480	r26,106	26,440	26,379	26,604	26,492	26,505	26,844	26,997	26,996	27,314	27,480	r27,864	28,008	.....
Tobacco products	do	5,585	5,569	r5,603	5,688	5,712	5,803	5,928	5,936	5,903	5,744	5,627	5,600	5,569	r5,628	5,593	.....
Textile mill products	do	6,560	6,874	r6,805	6,871	6,868	6,810	6,751	6,796	6,957	6,896	6,931	6,930	6,874	r6,984	6,961	.....
Paper and allied products	do	10,480	11,284	r10,666	10,837	10,817	10,909	10,906	10,923	11,021	11,052	10,953	10,995	11,284	r11,391	11,511	.....
Chemicals and allied products	do	26,983	27,743	r27,157	26,921	26,867	26,783	26,465	26,862	26,847	26,999	27,166	27,321	27,743	r28,372	28,685	.....
Petroleum and coal products	do	9,907	10,646	r10,184	10,387	10,290	10,227	10,348	10,546	11,031	10,769	10,752	10,732	10,646	r10,298	10,223	.....
Rubber and plastics products	do	8,586	9,220	r8,566	8,567	8,565	8,677	8,647	8,803	9,104	9,069	9,100	9,121	9,220	r9,576	9,519	.....
By stage of fabrication:																	
Materials and supplies	do	42,986	45,722	r43,036	43,178	43,624	44,045	44,184	44,394	44,603	45,288	45,109	45,420	45,722	r46,206	46,320	.....
Work in process	do	17,338	18,628	r17,833	18,003	17,832	18,029	18,134	18,034	18,386	18,432	18,554	18,736	18,628	r18,757	18,667	.....
Finished goods	do	50,060	52,553	r50,831	50,922	50,646	50,678	50,649	50,954	51,485	51,270	51,455	51,725	52,553	r52,838	53,215	.....
By market category:																	
Home goods and apparel	do	24,960	27,040	r25,509	25,672	25,666	25,783	25,613	25,853	25,825	26,129	26,421	26,628	27,040	r27,099	27,182	.....
Consumer staples	do	41,127	42,717	r41,514	41,668	41,580	41,988	42,592	42,135	42,136	42,142	42,128	42,476	42,717	r42,944	43,004	.....
Equip. and defense prod., exc. auto	do	91,990	95,149	r92,177	91,703	92,173	92,316	92,225	92,632	93,326	93,339	94,148	95,108	95,149	r95,786	96,352	.....
Automotive equipment	do	13,393	13,837	r13,477	13,599	13,486	13,591	13,544	13,566	13,458	13,773	13,698	13,919	13,837	r14,247	14,152	.....
Construction materials, supplies, and intermediate products	do	22,658	24,196	r22,706	22,926	23,015	23,186	23,180	23,398	23,459	23,547	23,689	23,989	24,196	r24,633	24,744	.....
Other materials, supplies, and intermediate products	do	124,110	130,717	r124,748	124,522	124,865	124,984	124,467	125,749	127,191	127,740	128,470	129,692	130,717	r132,106	132,956	.....
Supplementary series:																	
Household durables	do	12,944	13,384	r13,159	13,219	13,196	13,295	13,164	13,263	13,137	13,241	13,321	13,370	13,384	r13,512	13,487	.....
Capital goods industries	do	105,726	110,830	r106,385	105,678	106,652	106,804	106,751	107,581	108,380	108,078	109,229	110,672	110,830	r111,563	112,262	.....
Nondefense	do	71,721	73,804	r72,053	71,585	71,936	71,938	71,902	71,982	72,315	71,767	72,361	73,063	73,804	r74,460	74,986	.....
Defense	do	34,005	37,026	r34,332	34,093	34,716	34,866	34,849	35,599	36,065	36,311	36,868	37,609	37,026	r37,103	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	198,583	216,845	213,019	209,404	208,377	r200,357	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	r107,311	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	97,420	103,001	100,222	97,745	95,213	r93,046	99,020	.....
New orders, net (seas. adj.), total	do	r2,273,781	2,438,430	r194,633	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	r1,201,566	1,291,210	r102,071	106,213	106,977	106,992	109,181	109,213	106,678	109,345	111,095	110,949	115,620	r114,196	112,923	.....
Primary metals	do	r102,155	116,334	r8,265	8,789	9,285	9,509	9,976	9,718	9,461	10,735	10,437	10,903	11,997	r10,254	10,398	.....
Blast furnaces, steel mills	do	r43,560	51,041	r3,515	3,780	4,381	4,241	4,541	4,380	4,159	4,697	4,278	5,053	5,333	r4,308	4,474	.....
Nonferrous and other primary metals	do	r48,103	55,502	r3,991	4,293	4,149	4,398	4,695	4,542	4,475	5,094	5,343	4,945	5,840	r5,190	5,067	.....
Fabricated metal products	do	r134,969	134,901	r11,218	11,576	11,219	11,036	11,603	11,261	11,014	11,200	11,077	11,290	11,472	r11,142	11,694	.....
Machinery, except electrical	do	r199,601	215,116	r16,987	17,209	17,667	17,583	17,496	18,864	18,412	18,806	18,953	18,024	19,195	r20,552	19,435	.....
Electrical machinery	do	r207,800	226,271	r17,406	16,479	19,709	18,353	19,672	19,421	19,234	19,994	19,999	20,288	19,762	r20,716	19,185	.....
Transportation equipment	do	r318,641	339,185	r26,817	30,253	28,028	29,571	28,794	27,970	27,087	26,493	28,573	28,603	31,155	r28,946	29,964	.....
Aircraft, missiles, and parts	do	r104,539	115,775	r7,930	9,975	9,055	10,277	9,636	12,132	9,404	8,680	9,784	9,094	12,755	r10,603	11,327	.....
Nondurable goods industries, total	do	r1,072,215	1,147,220	r92,562	93,186	93,647	94,405	96,273	96,852	96,713	97,374	98,304	98,677	98,202	r98,375	97,935	.....
Industries with unfilled orders ‡	do	r270,650	297,757	r24,366	24,458	24,471	24,089	24,771	25,596	24,995	24,894	25,627	25,460	25,214	r26,015	25,905	.....
Industries without unfilled orders ◊	do	r801,565	849,463	r68,196	68,728	69,176	70,316	71,502	71,256	71,718	72,480	72,677	73,217	72,988	r72,360	72,030	.....
By market category:																	
Home goods and apparel	do	r153,144	163,427	r13,477	13,730	13,320	13,472	13,668	13,668	13,734	13,832	13,776	13,500	13,463	r14,200	13,857	.....
Consumer staples	do	r447,892	475,982	r38,532	38,547	38,906	39,434	40,147	39,595	39,739	40,587	40,365	40,888	40,899	r40,761	40,883	.....
Equip. and defense prod., exc. auto	do	r373,513	398,587	r29,679	31,264	33,471	35,175	34,653	36,019	33,873	33,413	33,918	34,434	35,353	r36,251	37,303	.....
Automotive equipment	do	r216,996	225,541	r19,701	19,525	18,967	18,577	18,384	16,410	17,763	18,856	19,505	19,098	18,880	r18,136	18,831	.....
Construction materials, supplies, and intermediate products	do	r179,223	193,002	r16,233	16,288	15,830	15,607	15,790	16,209	15,828	16,023	16,247	16,799	17,097	r16,372	16,799	.....
Other materials, supplies, and intermediate products	do	r903,013	981,809	r77,011	80,045	80,130	79,132	82,812	84,164	82,454	84,008	85,588	84,907	88,130	r86,851	83,185	.....
Supplementary series:																	
Household durables	do	r71,714	76,331	r6,334	6,504	6,100	6,353	6,396	6,225	6,398	6,402	6,400	6,361	6,205	r6,893	6,721	.....
Capital goods industries	do	r430,187	466,051	r34,380	37,393	39,316	39,472	40,564	41,905	39,061	38,865	40,417	39,824	42,927	r43,895	41,808	.....
Nondefense	do	r320,057	355,582	r27,036	27,396	28,310	30,031	29,987	31,982	29,540	29,753	30,416	30,085	33,879	r34,791	33,448	.....
Defense	do	r110,130	110,469	r7,344	9,997	11,006	9,441	10,577	9,923	9,521	9,112	10,001	9,739	9,048	r9,104	8,360	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
GENERAL BUSINESS INDICATORS—Continued																	
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	r410,025	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	r396,482	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	r13,543	13,953	
Unfilled orders, end of period (seasonally adjusted) total	mil. $	372,974	403,496	r370,244	371,220	375,886	380,354	385,217	391,887	394,640	395,627	398,630	401,030	403,496	r408,826	412,299	
By industry group:																	
Durable goods industries, total #	do	361,855	389,860	r358,328	358,765	362,995	367,510	372,215	378,396	380,939	381,851	384,695	387,266	389,860	r395,110	398,501	
Primary metals	do	17,318	22,335	r16,747	17,028	17,822	18,688	19,646	20,028	20,207	20,992	21,316	21,611	22,335	r22,218	22,403	
Blast furnaces, steel mills	do	9,165	12,251	r8,903	8,986	9,762	10,282	10,944	11,247	11,288	11,632	11,400	11,712	12,251	r12,058	11,925	
Nonferrous and other primary metals	do	5,395	7,106	r5,147	5,427	5,463	5,679	5,998	6,048	6,168	6,477	7,045	6,930	7,106	r7,166	7,428	
Fabricated metal products	do	18,893	19,556	r18,446	18,579	18,441	18,415	18,816	19,064	19,119	19,258	19,420	19,544	19,556	r19,434	19,528	
Machinery, except electrical	do	55,296	57,664	r54,885	54,963	55,544	56,017	56,185	56,954	57,266	57,492	57,899	57,820	57,664	r58,524	58,547	
Electrical machinery	do	93,844	96,233	r91,861	89,792	91,629	91,656	92,801	93,421	93,522	94,195	95,031	95,942	96,233	r97,144	96,890	
Transportation equipment	do	160,965	176,803	r160,152	161,478	162,671	165,919	167,728	171,590	173,389	172,215	173,308	174,804	176,803	r180,036	183,213	
Aircraft, missiles, and parts	do	137,671	152,209	r137,631	138,309	139,064	141,099	141,890	146,017	147,734	147,407	148,980	149,636	152,209	r155,126	158,440	
Nondurable goods industries with unfilled orders ‡	do	11,119	13,636	r11,916	12,455	12,891	12,844	13,002	13,491	13,701	13,776	13,935	13,764	13,636	r13,716	13,798	
By market category:																	
Home goods and apparel	do	3,511	4,410	r4,173	4,621	4,611	4,645	4,567	4,717	4,768	4,805	4,849	4,672	4,410	r4,649	4,841	
Consumer staples	do	770	698	r722	737	746	703	699	690	675	660	622	651	698	r624	733	
Equip. and defense prod., excl. auto	do	238,796	252,196	r236,827	235,043	237,345	241,369	244,022	247,525	249,049	248,931	250,052	252,204	252,196	r254,350	257,506	
Automotive equipment	do	5,619	5,735	r5,608	5,661	5,776	6,009	6,014	5,931	5,888	5,893	5,737	5,782	5,735	r5,583	5,405	
Construction materials, supplies, and intermediate products	do	10,432	10,593	r9,948	10,026	9,925	9,913	9,958	10,050	10,146	10,054	10,114	10,313	10,593	r10,509	10,604	
Other materials, supplies, and intermediate products	do	113,846	129,864	r112,966	115,132	117,483	117,715	119,957	122,974	124,114	125,284	127,256	127,408	129,864	r133,111	133,160	
Supplementary series:																	
Household durables	do	3,069	3,449	r3,499	3,897	3,822	3,881	3,832	3,893	3,915	3,910	3,882	3,677	3,449	r3,625	3,794	
Capital goods industries	do	289,918	309,273	r287,645	286,851	290,088	293,349	296,624	301,517	303,289	302,921	305,209	307,171	309,273	r314,085	316,982	
Nondefense	do	127,820	146,294	r129,168	129,113	130,104	133,161	135,296	139,172	140,218	140,262	141,683	143,146	146,294	r150,435	153,362	
Defense	do	162,098	162,979	r158,477	157,738	159,984	160,188	161,328	162,345	163,071	162,659	163,526	164,025	162,979	r163,650	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	r55,912	51,291		
Seasonally adjusted	do			59,385	60,907	58,252	54,993	57,234	57,145	58,181	56,773	55,006	55,753	r53,453	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			
Commercial service	do	20,966	24,029	1,993	2,149	1,905	2,443	2,035	2,197	1,775	1,766	2,104	1,684	1,875			
Construction	do	7,110	6,724	559	622	562	698	542	616	531	477	616	467	438			
Manufacturing and mining	do	5,699	4,939	483	488	445	469	367	456	367	318	431	323	320			
Retail trade	do	13,623	12,185	1,171	1,069	1,060	1,228	898	1,093	859	863	1,092	763	913			
Wholesale trade	do	4,865	4,304	386	368	388	426	351	403	320	289	390	317	296			
Liabilities (current), total	mil. $	43,284.7	33,024.5	2,921.1	2,662.7	2,024.8	2,872.4	2,742.3	2,142.7	1,907.4	2,026.2	3,151.6	1,610.5	5,516.2			
Commercial service	do	8,370.2	8,088.7	852.1	619.5	708.4	907.1	659.0	793.0	622.6	495.4	565.2	454.6	544.3			
Construction	do	1,782.7	2,278.6	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	2,035.4	1,336.8	194.7	148.0	97.4	113.0	98.0	124.3	81.3	89.1	81.8	128.1	62.6			
Failure annual rate (seasonally adjusted)	No. per 10,000 concerns	120.0	102.0														
COMMODITY PRICES																	
PRICES RECEIVED AND PAID BY FARMERS †																	
Prices received, all farm products	1910-14=100	561	578	557	555	569	586	595	589	581	588	580	601	582	599	r592	592
Crops #	do	460	458	429	431	435	465	474	468	444	451	458	517	487	496	r472	475
Commercial vegetables	do	646	716	680	766	676	654	628	661	634	643	610	1,011	883	990	r644	714
Cotton	do	462	502	392	401	425	507	559	577	538	548	544	549	542	512	r480	480
Feed grains and hay	do	309	269	247	254	265	290	285	271	260	263	271	278	291	294	r304	304
Food grains	do	300	281	280	278	284	288	265	252	258	278	296	310	313	319	r331	313
Fruit	do	624	668	640	570	568	625	737	721	651	683	728	875	629	628	r615	618
Tobacco	do	1,337	1,266	1,229	1,235	1,229	1,229	1,229	1,236	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	r718	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	r972	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	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	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	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	114.4	114.3	114.6	114.8	115.3

See footnotes at end of tables

COMMODITY PRICES—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
CONSUMER PRICES †—Continued *(U.S. Department of Labor Indexes)—Continued*																	
Not Seasonally Adjusted																	
All items (CPI-U)—Continued																	
Commodities	1982-84=100	104.4	107.7	105.8	106.4	107.2	107.5	107.7	107.6	108.2	108.9	109.3	109.5	109.3	109.2	109.1	109.8
Nondurables	do	103.5	107.5	105.3	106.1	106.9	107.2	107.4	107.3	108.1	109.0	109.4	109.5	109.1	109.1	109.0	109.8
Nondurables less food	do	98.5	101.8	98.6	100.1	101.3	101.4	101.4	101.3	102.6	104.0	104.6	104.8	103.7	102.8	102.7	104.1
Durables	do	106.6	108.2	107.0	107.2	107.7	107.9	108.2	108.4	108.3	108.3	108.8	109.6	109.5	109.4	109.4	109.5
Commodities less food	do	101.7	104.3	102.0	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	112.8	113.3	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	120.5	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	12/82=100	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 #	1982-84=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	103.3	101.4	100.9	101.5	101.9	101.7
Household furnishings and operation	do	105.2	107.1	106.5	106.8	107.2	107.1	107.1	107.2	107.3	107.5	107.4	107.4	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	115.4	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	105.4	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				.4	.4	.4	.4	.3	.3	.4	.3	.3	.3	.2	.3	.2	.5
Commodities	1982-84=100			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
Commodities less 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	do			112.1	112.3	112.7	113.3	113.9	113.8	113.9	114.5	114.7	114.8	115.3	115.6	115.3	115.7
Food at home	do			110.3	110.5	111.0	111.8	112.5	112.1	112.1	112.7	112.8	112.8	113.5	113.7	113.0	113.4
Apparel and upkeep	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
Transportation	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
Private	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
New cars	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
Services	do			118.5	118.9	119.3	119.7	120.0	120.4	121.0	121.2	121.7	122.2	122.6	123.2	123.7	124.2
PRODUCER PRICES § *(U.S. Department of Labor Indexes)*																	
Not Seasonally Adjusted																	
All commodities	1982=100	100.2	102.8	101.0	101.2	101.9	102.6	103.0	103.5	103.8	103.7	104.1	104.2	104.1	104.5	104.6	104.9
By stage of processing:																	
Crude materials for further processing	do	87.7	93.7	89.9	90.3	92.4	94.8	95.1	96.0	96.5	95.7	95.3	r94.7	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	r103.4	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	r106.3	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	109.4	109.7	109.7	110.9	111.1	111.5	112.0	112.1	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	r104.1	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	r96.3	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	109.0	108.2	108.9	108.7	108.1	108.2	109.5	109.2	109.7
Industrial commodities	do	100.0	102.6	100.8	101.1	101.6	101.9	102.4	103.1	103.7	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	r108.8	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	r70.8	69.5	67.3	66.8	65.9
Furniture and household durables	do	108.2	110.0	109.1	109.2	109.6	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	r124.3	125.9	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	r116.9	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	103.2	107.1	103.8	104.0	104.4	105.2	105.8	106.7	107.7	108.8	110.8	r111.7	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	r110.5	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	101.6	101.4	101.8	102.0	102.3	102.9	103.2	103.7	104.4	r105.1	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	106.8	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	r113.5	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	r113.3	112.0	112.0	111.7	111.8
Seasonally Adjusted																	
Finished goods, percent change from previous month				.2	.4	.6	.2	.1	.3	.3	.4	−.3	r.1	r−.5	.4	−.2	.6
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	r94.9	94.6	93.6	94.5	94.1
Intermediate materials, supplies, etc	do			99.6	99.8	100.2	100.8	101.3	101.9	102.4	102.7	103.2	103.6	103.9	104.2	104.2	104.8
Finished goods #	do			104.1	104.5	105.1	105.3	105.4	105.7	106.0	106.4	106.1	r106.2	105.7	106.1	105.9	106.5
Finished consumer goods	do			102.1	102.6	103.3	103.6	103.7	104.1	104.3	104.7	104.5	r104.5	103.9	104.3	103.9	104.6
Foods	do			108.2	108.2	109.6	110.8	110.7	110.3	109.5	110.2	109.9	r110.0	108.6	110.5	109.3	110.1
Finished goods, exc. foods	do			99.1	99.9	100.2	100.1	100.3	101.0	101.7	102.0	101.8	101.7	101.6	101.2	101.3	101.8
Durable	do			110.4	110.8	111.3	111.2	111.3	111.5	111.5	112.2	112.2	r112.1	111.8	112.2	112.3	113.0
Nondurable	do			93.1	94.0	94.3	94.1	94.4	95.3	96.3	96.4	96.2	r96.1	96.0	95.3	95.4	95.8
Capital equipment	do			111.0	111.1	111.4	111.5	111.4	111.6	111.9	112.5	112.0	112.1	112.3	112.5	112.7	113.2
PURCHASING POWER OF THE DOLLAR																	
As measured by:																	
Producer prices	1982=$1.00	.969	.949	.961	.959	.951	.949	.948	.943	.944	.946	.942	r.941	.946	.942	.944	.942
Consumer prices	1982-84=$1.00	.913	.880	.895	.891	.886	.884	.880	.878	.873	.869	.867	.865	.866	.864	.862	.858

See footnotes at end of tables.

CONSTRUCTION AND REAL ESTATE

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
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	r37,008	r34,742	r31,177	r25,871	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	r29,629	r28,225	r25,817	r21,309	21,334	
Residential	do	187,148	197,347	12,683	14,049	15,003	17,030	19,655	18,401	19,561	19,114	r18,113	r16,720	r14,416	r12,114	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	r10,579	r9,819	8,653	
Nonresidential buildings, except farm and public utilities, total #	mil. $	91,171	88,768	6,438	6,693	6,864	7,452	7,408	7,462	7,912	8,020	8,081	8,295	7,820	r6,672	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	r968	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	r3,953	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	r6,517	r5,360	r4,562	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	r1,892	1,942	
Housing and redevelopment	do	1,456	1,517	119	132	112	121	131	136	136	133	127	120	123	r114	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	r992	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	r398.9	r404.0	r403.9	r392.5	391.5	
Private, total #	do			326.5	312.2	320.5	321.4	324.3	323.8	329.8	324.9	r322.2	r327.0	r326.3	r318.1	316.8	
Residential	do			203.1	190.8	199.5	195.9	200.9	198.0	200.2	197.0	r194.5	r193.7	r194.5	r190.1	188.1	
New housing units	do			137.0	139.5	139.7	139.4	138.2	137.9	138.2	140.0	r141.1	142.4	r143.1	r138.8	136.8	
Nonresidential buildings, except farm and public utilities, total #	bil. $			87.6	86.4	84.8	88.7	86.7	88.0	90.1	89.2	r89.9	95.3	r93.0	90.9	92.0	
Industrial	do			12.1	11.4	11.5	13.4	13.0	13.0	13.7	14.4	r13.5	r14.3	13.6	r13.2	13.5	
Commercial	do			53.1	52.3	50.9	53.2	51.8	52.5	54.1	52.8	r53.9	57.7	55.0	r54.3	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	r8.8	r9.7	8.2		
Public, total #	do			75.2	76.1	75.7	75.3	72.9	74.6	73.0	77.9	r76.7	r76.9	r77.6	r74.4	74.7	
Buildings (excl. military) #	do			25.7	26.1	25.3	26.1	24.2	25.0	24.8	25.3	r24.8	25.8	r27.0	r25.3	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	r24.6	24.7	
CONSTRUCTION CONTRACTS																	
Construction contracts in 50 States (F.W. Dodge Division, McGraw-Hill): Valuation, total	mil. $	248,588	254,673	r15,729	r22,622	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	[1]158	[1]162	159	167	157	157	167	165	174	160	164	157	157	145	159	154
Public ownership	mil. $	59,862	65,857	r3,542	r5,697	5,801	6,079	7,114	6,515	5,938	5,867	6,258	4,377	4,698	3,919	4,223	5,562
Private ownership	do	188,726	188,816	r12,187	r16,925	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	r5,394	r7,229	7,153	6,750	8,227	8,125	8,358	8,047	8,573	6,967	6,646	5,354	5,386	6,957
Residential	do	122,896	119,915	r7,920	r11,228	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	r2,415	r4,165	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	28,216	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	r78.2	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	r78.2	r89.9	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	r55.8	r63.9	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	r1,382	r1,514	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	1,035	r1,016	r1,106	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	r1,422	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	r1,003	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	r114.2	r114.8	r114.2	r114.3	114.7	115.0
Boeckh indexes: Average, 20 cities: Apartments, hotels, office buildings	1982=100	114.9	117.3		116.7		117.1		117.3		117.9		118.1		118.5		119.6
Commercial and factory buildings	do	113.2	115.1		114.3		115.0		115.2		115.8		116.1		116.2		117.7
Residences	do	117.3	119.7		119.0		119.4		119.7		120.2		120.7		120.1		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	[2]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	[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.

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		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	213	189	212	168	180	182	201	190	194	162	162
Home mortgages insured or guaranteed by:																	
Fed. Hous. Adm.: Face amount	mil. $	57,108.02	81,880.51	5,519.57	9,220.25	9,035.56	9,265.48	7,566.47	7,341.31	8,901.72	6,179.54	4,816.08	4,092.54	3,986.85	4,452.92	3,350.77	2,926.84
Vet. Adm.: Face amount §	do	24,721.62	33,322.54	3,254.93	4,419.78	3,021.48	2,621.57	3,424.22	2,978.52	2,819.12	2,488.48	2,182.60	1,882.55	1,511.22	1,143.23	1,503.09	1,381.52
Federal Home Loan Banks, outstanding advances to member institutions, end of period	mil. $	108,645	133,054	104,376	106,760	108,820	111,665	114,335	115,321	116,846	120,090	124,775	127,056	133,054	130,911	129,582	129,503
New mortgage loans of FSLIC-insured institutions, estimated total @	mil. $	265,513	r253,578	15,931	21,933	24,569	24,597	27,727	23,609	20,509	20,587	r20,327	16,876	r21,694	r13,144	13,492	
By purpose of loan:																	
Home construction	do	28,825	r28,502	1,840	2,377	2,222	2,550	2,983	2,688	2,579	2,585	2,473	2,082	r2,552	r1,538	1,740	
Home purchase	do	195,513	r190,706	11,824	16,526	19,407	19,473	21,336	18,089	15,437	14,897	r15,014	12,483	14,501	r9,417	9,350	
All other purposes	do	41,169	r34,368	2,266	3,081	2,940	2,573	3,412	2,832	2,494	3,104	2,840	2,310	r4,643	r2,187	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																
Houshold equip., supplies, furnishings	do																
Industrial materials	do																
Soaps, cleansers, etc	do																
Smoking materials	do																
All other	do																
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):																	
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. $	r1,392,313	r1,520,827	r112,842	r128,109	r127,622	r126,672	r130,275	r127,653	r126,500	r132,110	r137,621	r126,896	r132,747	r118,752	125,066	
Durable goods establishments	do	r681,177	r739,277	r53,927	r62,297	r62,691	r60,643	r64,887	r62,586	r61,837	r65,226	r69,005	r61,096	r62,725	r54,944	59,114	
Nondurable goods establishments	do	r711,136	r781,550	r58,915	r65,812	r64,931	r66,029	r65,388	r65,067	r64,663	r66,884	r68,616	r65,800	r70,022	r63,808	65,952	
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total	mil. $	r153,571	r165,819	r155,493	r156,276	r156,484	r157,255	r158,425	r157,211	r154,651	r158,624	r163,892	r164,406	r165,819	r168,783	170,805	
Durable goods establishments	do	r100,212	r107,257	r100,944	r102,775	r103,587	r105,611	r105,703	r105,052	r103,382	r104,729	r107,150	r106,314	r107,257	r109,662	111,337	
Nondurable goods establishments	do	r53,359	r58,562	r54,549	r53,501	r52,897	r51,644	r52,722	r52,159	r51,269	r53,895	r56,742	r58,092	r58,562	r59,121	59,468	
RETAIL TRADE ‡																	
All retail stores:																	
Estimated sales (unadj.), total	mil. $	r1,437,497	r1,510,579	r105,093	r119,818	r124,739	r128,689	r128,987	r129,258	r131,536	r124,515	r128,298	r126,897	r157,189	r113,639	r114,785	r129,664
Durable goods stores #	do	r538,618	r559,105	r38,199	r45,283	r47,370	r48,262	r50,834	r50,037	r50,627	r47,675	r46,755	r44,732	r53,526	r41,293	r44,181	r50,601
Building materials, hardware, garden supply, and mobile home dealers	mil. $	r75,842	r78,005	r4,739	r6,001	r6,787	r7,309	r7,372	r7,234	r7,080	r6,890	r7,172	r6,359	r6,215	r4,852	r5,197	r6,398
Automotive dealers	do	r320,336	r326,850	r22,936	r27,913	r29,022	r28,985	r31,122	r30,477	r30,918	r28,512	r27,028	r24,517	r25,618	r24,942	r27,448	r31,903
Furniture, home furnishings, and equipment	do	r80,347	r84,148	r5,946	r6,598	r6,470	r6,642	r6,789	r6,997	r7,116	r6,929	r7,075	r7,399	r9,729	r6,577	r6,545	r6,931
Nondurable goods stores	do	r898,879	r951,474	r66,894	r74,535	r77,369	r80,427	r78,153	r79,221	r80,909	r76,840	r81,543	r82,165	r103,663	r72,346	r70,604	r79,063
General merch. group stores	do	r165,074	r175,885	r10,301	r12,566	r13,722	r14,642	r13,577	r12,883	r14,555	r13,268	r14,826	r17,533	r28,132	r10,318	r10,610	r13,600
Food stores	do	r301,762	r314,287	r23,380	r25,219	r25,745	r27,125	r26,419	r27,658	r26,707	r25,867	r26,895	r25,431	r28,287	r25,682	r24,434	r26,570
Gasoline service stations	do	r97,277	r103,154	r7,283	r8,088	r8,469	r8,788	r9,015	r9,377	r9,348	r8,845	r9,012	r8,595	r8,817	r8,316	r7,956	r8,457
Apparel and accessory stores	do	r74,765	r79,069	r4,837	r6,041	r6,592	r6,416	r6,115	r5,894	r6,823	r6,403	r6,748	r7,132	r11,112	r5,103	r4,887	r6,363
Eating and drinking places	do	r135,308	r147,645	r10,715	r11,898	r12,262	r12,906	r12,830	r13,197	r13,290	r12,223	r12,699	r11,936	r12,574	r11,518	r11,331	r12,328
Drug and proprietary stores	do	r51,631	r56,000	r4,145	r4,387	r4,535	r4,599	r4,593	r4,582	r4,582	r4,468	r4,733	r4,640	r6,342	r4,619	r4,718	r5,052
Liquor stores	do	r19,635	r19,506	r1,357	r1,439	r1,504	r1,635	r1,600	r1,705	r1,635	r1,562	r1,653	r1,638	r2,314	r1,443	1,387	
Estimated sales (seas. adj.), total	do			r123,292	r124,105	r124,744	r124,775	r126,511	r127,230	r129,981	r127,815	r126,808	r127,248	r128,615	r128,769	r129,579	r130,660
Durable goods stores #	do			r44,883	r45,785	r46,028	r45,683	r46,984	r47,579	r49,614	r47,948	r46,889	r47,067	r48,000	r48,689	r49,649	r49,902
Bldg. materials, hardware, garden supply, and mobile home dealers #	mil. $			r6,454	r6,543	r6,345	r6,416	r6,377	r6,455	r6,496	r6,569	r6,615	r6,605	r6,582	r6,558	r6,753	r6,785
Building materials and supply stores	do			r4,713	r4,758	r4,646	r4,706	r4,787	r4,829	r4,923	r4,969	r4,929	r4,965	r4,844	r4,841	4,967	
Hardware stores	do			r1,157	r1,200	r1,181	r1,160	r1,105	r1,163	r1,148	r1,177	r1,238	r1,208	r1,204	r1,152	1,190	
Automotive dealers	do			r25,760	r26,717	r26,927	r26,605	r27,788	r28,109	r30,175	r28,465	r27,673	r27,499	r28,220	r28,935	r29,513	r29,792
Motor vehicle and miscellaneous auto dealers	do			r23,576	r24,499	r24,751	r24,432	r25,554	r25,852	r27,849	r26,159	r25,344	r25,194	r25,877	r26,528	r27,063	r27,392
Auto and home supply stores	do			r2,184	r2,218	r2,176	r2,173	r2,234	r2,257	r2,326	r2,306	r2,329	r2,305	r2,343	r2,407	2,450	
Furniture, home furnishings, and equipment #	do			r6,961	r7,041	r7,049	r6,972	r6,988	r7,146	r7,146	r7,054	r6,940	r6,979	r6,944	r7,194	r7,406	r7,258
Furniture, home furnishings stores	do			r3,649	r3,700	r3,736	r3,675	r3,709	r3,759	r3,708	r3,723	r3,701	r3,671	r3,616	r3,744	3,810	
Household appliance, radio, and TV stores	do			r2,871	r2,904	r2,876	r2,845	r2,826	r2,927	r2,958	r2,881	r2,775	r2,846	r2,849	r2,963	3,110	

See footnotes at end of tables.

DOMESTIC TRADE—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
RETAIL TRADE ‡—Continued																	
All retail stores—Continued																	
Estimated sales (seas. adj.)—Continued																	
Nondurable goods stores	mil. $			r78,409	r78,320	r78,716	r79,092	r79,527	r79,651	r80,367	r79,867	r79,919	r80,181	r80,615	r80,080	r79,930	p80,758
General merch. group stores	do			r14,597	r14,328	r14,401	r14,617	r14,576	r14,507	r14,788	r14,580	r14,742	r14,805	r15,035	r14,953	r14,568	p14,807
Department stores excluding leased departments	do			r12,096	r11,892	r11,950	r12,111	r12,094	r12,162	r12,309	r12,166	r12,322	r12,403	r12,548	r12,526	r12,199	p12,477
Variety stores	do			r732	r704	r706	r697	r687	r688	r700	r692	r698	r700	r711	r693	r695	
Food stores	do			r25,989	r25,999	r26,126	r26,214	r26,394	r26,272	r26,554	r26,341	r26,309	r26,259	r26,309	r26,169	r26,336	p26,633
Grocery stores	do			r24,481	r24,527	r24,645	r24,731	r24,865	r24,711	r24,996	r24,791	r24,774	r24,739	r24,787	r24,622	r24,809	p25,101
Gasoline service stations	do			r8,192	r8,407	r8,598	r8,549	r8,602	r8,805	r8,945	r8,872	r8,801	r8,761	r8,687	r8,754	r8,648	p8,773
Apparel and accessory stores #	do			r6,565	r6,702	r6,473	r6,456	r6,602	r6,650	r6,667	r6,680	r6,637	r6,594	r6,708	r6,514	r6,451	p6,473
Men's and boys' clothing and furnishings stores	do			r753	r752	r737	r730	r761	r759	r760	r762	r774	r722	r777	r783	772	
Women's clothing, specialty stores, and furriers	do			r2,632	r2,600	r2,569	r2,588	r2,616	r2,613	r2,649	r2,620	r2,603	r2,578	r2,597	r2,582	2,537	
Shoe stores	do			r1,212	r1,275	r1,175	r1,180	r1,219	r1,218	r1,233	r1,205	r1,188	r1,209	r1,276	r1,175	1,169	
Eating and drinking places	do			r12,302	r12,104	r12,165	r12,210	r12,289	r12,231	r12,283	r12,284	r12,353	r12,604	r12,791	r12,547	r12,576	p12,503
Drug and proprietary stores	do			r4,540	r4,523	r4,581	r4,636	r4,668	r4,685	r4,709	r4,768	r4,786	r4,803	r4,754	r4,832	r4,972	p5,052
Liquor stores	do			r1,627	r1,597	r1,614	r1,647	r1,610	r1,616	r1,625	r1,629	r1,637	r1,651	r1,642	r1,589	1,622	
Estimated inventories, end of period:																	
Book value (non-LIFO basis), (unadjusted), total	mil. $	r180,530	r205,138	r188,520	r195,467	r197,584	r197,511	r199,007	r199,470	r197,390	r201,518	r215,174	r219,614	r205,138	202,371		
Durable goods stores #	do	r89,850	r106,689	r96,358	r99,900	r100,042	r101,171	r102,192	r100,428	r96,205	r96,303	r104,172	r108,022	r106,689	105,243		
Bldg. materials, hardware, garden supply, and mobile home dealers	do	r13,339	r14,503	r14,155	r14,708	r14,787	r15,306	r15,359	r15,054	r15,119	r14,759	r14,602	r14,545	r14,503	14,701		
Automotive dealers	do	r45,529	r57,740	r52,049	r54,287	r53,478	r53,640	r54,377	r52,574	r47,907	r47,014	r52,627	r55,868	r57,740	56,611		
Furniture, home furnishings, and equipment	do	r15,199	r16,881	r14,716	r14,816	r15,116	r15,362	r15,469	r15,567	r15,818	r16,578	r17,554	r17,707	r16,881	16,576		
Nondurable goods stores #	do	r90,680	r98,449	r92,162	r95,567	r97,542	r96,340	r96,815	r99,042	r101,185	r105,215	r111,002	r111,592	r98,449	97,128		
General merch. group stores	do	r31,280	r33,401	r32,702	r34,015	r35,160	r34,087	r33,820	r35,145	r36,017	r38,049	r41,383	r41,587	r33,401	33,220		
Department stores	do	r24,559	r26,032	r25,451	r26,520	r27,578	r26,714	r26,359	r27,392	r28,080	r29,683	r32,482	r32,734	r26,032	25,769		
Food stores	do	r20,044	r20,581	r19,739	r20,064	r20,078	r20,034	r20,363	r20,211	r20,060	r20,151	r20,773	r21,113	r20,581	20,426		
Apparel and accessory stores	do	r14,625	r17,471	r15,573	r16,783	r17,168	r17,146	r17,035	r17,755	r18,881	r19,705	r20,554	r20,925	r17,471	16,852		
Book value (non-LIFO basis), (seas. adj.), total	do	r185,996	r211,100	r190,282	r193,186	r194,576	r196,806	r200,424	r202,210	r202,684	r203,708	r206,577	r208,260	r211,100	209,691		
Durable goods stores #	do	r91,085	r107,948	r94,507	r96,162	r96,352	r98,712	r100,716	r101,590	r101,569	r102,394	r104,846	r106,490	r107,948	106,550		
Bldg. materials, hardware, garden supply, and mobile home dealers	do	r13,997	r15,234	r14,255	r14,349	r14,191	r14,774	r15,162	r14,964	r15,074	r14,863	r14,675	r14,872	r15,234	15,266		
Automotive dealers	do	r45,267	r57,312	r48,983	r50,177	r50,145	r51,419	r52,620	r53,384	r53,292	r53,755	r55,680	r56,708	r57,312	55,918		
Furniture, home furn., and equip	do	r15,260	r16,932	r15,171	r15,118	r15,238	r15,486	r15,547	r15,852	r15,946	r16,414	r16,670	r16,673	r16,932	17,001		
Nondurable goods stores #	do	r94,911	r103,152	r95,775	r97,024	r98,224	r98,094	r99,708	r100,620	r101,115	r101,314	r101,731	r101,770	r103,152	103,141		
General merch. group stores	do	r34,405	r36,742	r34,971	r34,911	r35,201	r34,629	r35,271	r35,796	r35,743	r35,800	r36,241	r36,259	r36,742	36,939		
Department stores	do	r26,870	r28,481	r27,191	r27,144	r27,441	r26,957	r27,515	r28,066	r28,052	r28,082	r28,568	r28,390	r28,481	28,760		
Food stores	do	r19,803	r20,334	r19,933	r20,134	r20,214	r20,251	r20,439	r20,531	r20,536	r20,318	r20,253	r20,188	r20,334	20,453		
Apparel and accessory stores	do	r15,760	r18,827	r16,341	r16,901	r17,202	r17,532	r17,800	r17,971	r18,420	r18,625	r18,584	r18,817	r18,827	18,642		
Firms with 11 or more stores:																	
Estimated sales (unadj.), total	mil. $	r534,148	r569,081	r38,084	r43,839	r45,774	r47,524	r45,665	r45,913	r47,817	r45,201	r48,517	r50,998	r70,238	41,120		
Durable goods stores	do	r59,789	r67,665	r4,158	r5,024	r5,237	r5,471	r5,510	r5,494	r5,667	r5,444	r5,663	r6,223	r9,494	4,671		
Auto and home supply stores	do	r6,744	r7,185	r459	r573	r630	r641	r634	r639	r636	r615	r642	r596	r618	513		
Nondurable goods stores #	do	r474,359	r502,436	r33,926	r38,815	r40,537	r42,053	r40,155	r40,419	r42,160	r39,757	r42,864	r44,775	r60,744	36,449		
General merchandise group stores	do	r153,110	r162,289	r9,457	r11,601	r12,623	r13,476	r12,490	r11,792	r13,424	r12,222	r13,642	r16,271	r26,264	9,485		
Food stores	do	r171,121	r179,635	r13,358	r14,448	r14,726	r15,401	r14,769	r15,663	r15,010	r14,614	r15,535	r14,700	r16,580	15,027		
Grocery stores	do	r168,343	r176,918	r13,139	r14,230	r14,497	r15,188	r14,559	r15,451	r14,806	r14,416	r15,323	r14,489	r16,199	14,820		
Apparel and accessory stores	do	r39,002	r42,405	r2,440	r3,226	r3,553	r3,402	r3,253	r3,093	r3,766	r3,425	r3,598	r3,946	r6,277	2,531		
Eating places	do	r34,976	r37,486	r2,776	r3,089	r3,141	r3,264	r3,228	r3,365	r3,405	r3,052	r3,217	r2,970	r3,106	2,925		
Drug stores and proprietary stores	do	r30,030	r32,868	r2,401	r2,570	r2,679	r2,686	r2,660	r2,644	r2,652	r2,566	r2,684	r2,730	r4,037	2,712		
Estimated sales(sea. adj.), total #	do			r46,756	r46,723	r46,837	r46,886	r47,239	r47,417	r48,081	r47,623	r48,015	r48,070	r48,404	48,477		
Auto and home supply stores	do			r589	r606	r612	r613	r608	r600	r611	r602	r586	r579	588	611		
Department stores excluding leased departments	do			r11,735	r11,507	r11,610	r11,746	r11,704	r11,791	r11,916	r11,787	r11,968	r12,031	r12,182	12,198		
Variety stores	do			r555	r552	r563	r551	r548	r554	r568	r561	r568	r565	r569	548		
Grocery stores	do			r14,470	r14,595	r14,629	r14,689	r14,796	r14,800	r15,062	r14,740	r14,964	r14,922	r14,902	14,894		
Apparel and accessory stores	do			r3,484	r3,601	r3,473	r3,485	r3,541	r3,576	r3,564	r3,570	r3,597	r3,554	r3,553	3,539		
Women's clothing, specialty stores, and furriers	do			r1,422	r1,415	r1,408	r1,443	r1,430	r1,428	r1,443	r1,424	r1,454	r1,412	r1,414	1,435		
Shoe stores	do			r723	r802	r715	r709	r745	r742	r754	r749	r721	r734	r751	717		
Drug stores and proprietary stores	do			r2,683	r2,691	r2,736	r2,721	r2,737	r2,734	r2,743	r2,771	r2,773	r2,814	r2,769	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	185,052	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	182,885	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	120,611	120,206	119,742	119,942	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	112,139	112,460	112,867
Unemployed	do	8,237	7,425	8,503	8,124	7,306	7,318	7,655	7,453	7,088	6,857	6,845	6,802	6,526	7,603	7,482	7,090
Seasonally Adjusted ◊																	
Civilian labor force, total	do			119,230	119,246	119,363	119,907	119,608	119,890	120,306	119,963	120,387	120,594	120,722	121,175	121,348	120,903
Participation rate †	percent	65.3	65.6	65.5	65.5	65.5	65.7	65.5	65.6	65.7	65.5	65.7	65.7	65.7	65.9	66.0	65.7
Employed, total	thous			111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744	114,129	114,409	114,103
Employment-population ratio †	percent	60.7	61.5	61.2	61.2	61.3	61.5	61.5	61.6	61.8	61.6	61.8	61.9	61.9	62.1	62.2	62.0
Agriculture	thous	3,163	3,208	3,225	3,237	3,250	3,269	3,192	3,212	3,143	3,184	3,249	3,172	3,215	3,293	3,228	3,204
Nonagriculture	do	106,434	109,232	108,119	108,218	108,556	109,065	109,108	109,427	109,907	109,688	109,961	110,332	110,529	110,836	111,182	110,899
Unemployed, total	do			7,886	7,791	7,557	7,573	7,308	7,251	7,256	7,091	7,177	7,090	6,978	7,046	6,938	6,801
Long term, 15 weeks and over	do	2,232	1,983	2,129	2,055	2,060	2,067	2,029	1,920	1,896	1,904	1,801	1,834	1,791	1,733	1,740	1,722

See footnotes at end of tables.

LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
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	5.6	5.5	5.4	5.2	5.0	5.1	5.0	4.9	5.1	4.9	4.9
Women, 20 years and over		6.2	5.4	5.8	5.7	5.5	5.4	5.3	5.4	5.3	5.4	5.2	5.2	5.2	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	12.8
Hispanic origin		10.6	8.8	9.6	9.1	9.2	8.8	8.6	8.1	8.1	8.2	8.3	9.0	8.1	7.2	8.3	8.2
Married men, spouse present		4.4	3.9	4.1	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.7	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		7.0	6.2	6.6	6.5	6.3	6.3	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.8	5.7	5.6
Construction		13.1	11.6	11.7	12.4	12.0	12.1	11.7	10.8	11.3	11.9	11.2	10.6	10.6	12.2	11.0	10.7
Manufacturing		7.1	6.0	6.8	6.7	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.3	5.1	5.6	5.6	5.2
Durable goods		6.9	5.8	6.7	6.6	6.2	6.2	5.4	6.0	5.5	5.4	5.2	4.8	4.8	5.5	5.9	5.2
Agricultural wage and salary workers		12.5	10.5	11.0	10.8	9.5	9.4	9.3	10.9	10.6	8.6	10.6	11.1	10.9	11.5	10.2	11.0
Not Seasonally Adjusted																	
Occupation:																	
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	8.1	7.8	8.3	8.3	8.7	10.4	10.3	9.8
Farming, forestry, and fishing		7.8	7.1	10.5	9.7	6.5	4.4	5.1	5.6	5.7	5.8	6.8	8.4	8.7	10.3	9.5	8.6
EMPLOYMENT §																	
Employees on payrolls of nonagricultural estab.:																	
Total, not adjusted for seas. variation	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	r102,388	r102,951	p103,698
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	r85,136	r85,376	p86,009
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	r103,827	r104,344	p104,606
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	r86,560	r87,040	p87,253
Nonmanufacturing industries	do	63,906	65,937	65,229	65,357	65,549	65,659	65,772	66,002	66,100	66,217	66,548	66,736	66,959	r67,159	r67,622	p67,836
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	r25,205	r25,342	p25,426
Mining	do	783	741	719	722	729	735	738	744	751	759	764	759	756	r746	r749	p755
Construction	do	4,904	5,031	5,038	5,032	5,019	4,999	5,008	5,002	5,006	4,989	5,053	5,074	5,121	r5,058	r5,175	p5,254
Manufacturing	do	18,994	19,112	18,986	18,995	19,011	19,018	19,015	19,104	19,129	19,169	19,247	19,336	19,382	r19,401	r19,418	p19,417
Durable goods	do	11,244	11,237	11,179	11,176	11,175	11,175	11,176	11,195	11,248	11,268	11,319	11,367	11,403	r11,403	r11,412	p11,414
Lumber and wood products	do	711	739	733	734	736	738	735	740	736	740	741	750	753	753	r753	p748
Furniture and fixtures	do	497	513	501	502	504	509	510	518	518	520	524	526	530	533	r531	p530
Stone, clay and glass products	do	586	584	588	586	586	584	582	582	582	581	583	588	590	585	588	p587
Primary metal industries	do	753	750	733	739	743	742	746	750	754	764	768	771	771	768	r770	p769
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	r1,452	r1,455	p1,456
Machinery, except electrical	do	2,060	2,039	2,018	2,015	2,022	2,025	2,028	2,033	2,044	2,053	2,064	2,074	2,085	r2,097	r2,102	p2,112
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	p2,131
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	r2,005	r2,001	p2,000
Instruments and related products	do	707	695	695	694	694	693	693	695	695	695	697	701	701	r702	r704	p703
Miscellaneous manufacturing	do	362	369	364	366	364	366	368	370	371	372	374	377	376	378	r380	p378
Nondurable 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	r7,998	r8,006	p8,003
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	r1,661	r1,660	p1,653
Tobacco manufactures	do	59	56	58	57	56	57	57	57	56	55	55	56	56	r57	r56	p55
Textile mill products	do	705	730	722	725	724	727	729	736	732	735	736	738	739	r736	738	p736
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	r1,117	r1,115	p1,115
Paper and allied products	do	674	678	679	678	677	677	676	678	677	681	678	680	681	681	682	p681
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	r1,530	r1,538	p1,543
Chemicals and allied products	do	1,023	1,026	1,018	1,017	1,018	1,022	1,014	1,026	1,031	1,031	1,035	1,041	1,047	1,048	r1,050	p1,052
Petroleum and coal products	do	169	164	164	164	164	164	164	164	164	166	167	167	167	167	r166	p166
Rubber and plastics products, nec	do	790	818	805	807	809	809	810	815	819	824	833	840	845	r847	r847	p848
Leather and leather products	do	151	150	147	148	149	150	149	155	152	152	152	152	153	r154	r154	p154
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	r78,622	r79,002	p79,180
Transportation and public utilities	do	5,244	5,378	5,315	5,333	5,348	5,344	5,350	5,363	5,377	5,416	5,436	5,459	5,473	r5,485	r5,504	p5,522
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	r5,884	5,903	p5,920
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	r18,619	r18,720	p18,724
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	r6,684	r6,687	p6,694
Services	do	23,099	24,137	23,759	23,842	23,926	24,025	24,083	24,214	24,279	24,295	24,406	24,493	24,612	r24,683	r24,884	p24,967
Government	do	16,711	17,063	16,935	16,977	17,038	17,031	17,031	17,020	17,046	17,048	17,188	17,213	17,271	r17,267	r17,304	p17,353
Federal	do	2,899	2,943	2,916	2,922	2,933	2,935	2,935	2,936	2,940	2,962	2,965	2,977	2,981	r2,977	r2,979	p2,972
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	r3,996	r4,004	p4,019
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	r10,294	r10,321	p10,362
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	70,305	r68,609	r68,820	p69,377
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	r13,122	r13,164	p13,199
Seasonally Adjusted																	
Production or nonsupervisory workers on private nonagricultural payrolls	thous.	67,061	68,783	68,149	68,263	68,419	68,488	68,598	68,843	68,951	69,028	69,351	69,554	69,835	r69,949	r70,397	p70,571
Goods-producing	do	17,292	17,475	17,379	17,380	17,375	17,360	17,377	17,441	17,476	17,498	17,620	17,698	17,787	r17,700	r17,864	p17,936
Mining	do	550	530	508	511	518	525	528	534	539	545	551	548	545	r536	r539	p543
Construction	do	3,848	3,924	3,955	3,944	3,918	3,889	3,891	3,887	3,899	3,881	3,940	3,953	4,001	3,914	r4,048	p4,121
Manufacturing	do	12,895	13,021	12,916	12,925	12,939	12,946	12,958	13,020	13,038	13,072	13,129	13,197	13,241	r13,250	r13,277	p13,272
Durable goods	do	7,432	7,457	7,398	7,399	7,406	7,409	7,421	7,425	7,475	7,494	r7,530	7,568	7,597	r7,588	7,606	p7,606
Lumber and wood products	do	597	618	614	615	617	618	615	619	615	618	618	627	630	628	r629	p624
Furniture and fixtures	do	397	411	400	402	403	407	408	416	415	416	420	422	425	r426	r425	p425
Stone, clay, and glass products	do	451	452	454	453	453	452	451	449	450	451	453	456	459	454	r455	p455
Primary metal industries	do	566	565	547	553	559	557	561	565	569	578	582	586	586	583	586	p586
Fabricated metal products	do	1,057	1,058	1,051	1,051	1,053	1,050	1,054	1,055	1,057	1,061	1,067	1,075	1,080	r1,080	r1,084	p1,085
Machinery, except electrical	do	1,225	1,214	1,190	1,190	1,198	1,203	1,210	1,212	1,222	1,230	1,238	1,245	1,251	1,259	r1,262	p1,272
Electric and electronic equip	do	1,229	1,226	1,223	1,218	1,216	1,215	1,212	1,221	1,226	1,226	1,238	1,241	1,252	r1,248	r1,250	p1,252
Transportation equipment	do	1,264	1,264	1,276	1,273	1,265	1,265	1,265	1,241	1,275	1,265	1,262	1,259	1,258	r1,250	r1,249	p1,245
Instruments and related products	do	383	378	377	376	376	375	376	378	377	379	381	383	383	385	r388	p388
Miscellaneous manufacturing	do	263	269	266	268	266	267	269	269	269	270	271	274	273	275	r278	p274

See footnotes at end of tables.

LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
EMPLOYMENT §—Continued																	
Seasonally Adjusted																	
Production or nonsupervisory workers—Continued																	
Nondurable goods	thous	5,463	5,564	5,518	5,526	5,533	5,537	5,537	5,595	5,563	5,578	5,599	5,629	5,644	5,662	r5,671	p5,666
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	r1,174	r1,175	p1,169
Tobacco manufactures	do	45	42	44	44	43	44	42	43	42	41	40	41	42	r43	r42	p41
Textile mill products	do	610	634	627	630	628	631	633	640	636	638	639	641	641	639	642	p641
Apparel and other textile products	do	931	934	925	926	929	927	930	950	930	938	943	948	943	r941	r939	p937
Paper and allied products	do	511	515	516	515	514	513	513	515	514	517	515	516	517	r517	519	p519
Printing and publishing	do	817	841	833	832	832	836	839	841	845	846	849	853	856	r862	r868	p871
Chemicals and allied products	do	568	575	569	570	569	572	568	576	579	579	580	584	589	589	r590	p592
Petroleum and coal products	do	106	107	106	106	106	107	108	107	108	108	109	108	110	r109	r109	p109
Rubber and plastics products, nec	do	614	635	625	626	629	629	629	633	636	639	647	652	658	r660	r659	p659
Leather and leather products	do	124	126	123	123	125	125	125	131	127	128	127	127	128	128	r128	p128
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	r52,249	r52,533	p52,635
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	r4,548	r4,563	p4,582
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	r4,709	r4,724	p4,745
Retail trade	do	15,891	16,233	16,141	16,132	16,189	16,193	16,195	16,246	16,242	16,257	16,346	16,360	16,384	r16,519	r16,602	p16,577
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	r4,876	p4,876
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	r21,594	r21,768	p21,855
AVERAGE HOURS PER WEEK §																	
Seasonally Adjusted																	
Avg. weekly hours per worker on private nonag. payrolls: ◊																	
Not seasonally adjusted	hours	34.8	34.8	34.5	34.6	34.6	34.8	35.0	35.1	35.3	34.7	34.9	34.8	34.9	34.4	34.5	p34.4
Seasonally adjusted	do			34.9	34.8	34.7	34.9	34.8	34.8	34.9	34.6	34.9	34.9	34.6	r34.8	r34.8	p34.6
Mining ‡	do	42.2	42.3	42.0	41.8	41.8	42.4	42.4	42.1	42.4	42.1	42.7	42.3	42.8	r41.9	r41.5	p41.1
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	p37.6
Manufacturing:																	
Not seasonally adjusted	do	40.7	41.0	40.8	40.9	40.4	40.9	41.1	40.6	40.9	40.8	41.3	41.4	41.8	41.0	40.7	p40.9
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	r41.2	r41.0	p40.9
Overtime hours	do	3.4	3.7	3.6	3.6	3.5	3.8	3.7	3.8	3.8	3.6	4.0	3.9	3.8	3.9	r3.7	p3.7
Durable goods	do	41.3	41.5	41.7	41.5	41.2	41.6	41.5	41.6	41.6	41.0	41.9	41.9	41.5	41.7	41.5	p41.5
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	r3.8	p3.8
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	r40.1	r40.4	p40.0
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	r39.4	r39.5	p39.0
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	r42.3	p42.6
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	p43.3
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	r41.4	p41.5
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	p42.4
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	r40.9	p41.1
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	r42.3	42.0	p42.0
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	r41.9	r41.3	p41.2
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	r38.9	r38.8	p38.9
Nondurable goods	do	39.9	40.2	40.3	40.1	39.7	40.2	40.2	40.3	40.3	40.1	40.5	40.4	40.3	40.4	40.2	p40.1
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	p3.5
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	r40.8	r40.4	p40.2
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	r39.2	r38.3	p36.9
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	r41.7	r41.7	p41.3
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	p37.0
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	r43.3	p43.3
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	r38.0	p38.1
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	r42.7	r42.5	p42.5
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	r44.2	r43.4	p43.5
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	r41.8	41.4	p41.7
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	r37.7	r36.9	p37.6
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	r39.0	p38.6
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	r38.3	p38.0
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	r29.0	r29.1	p28.9
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	r36.3	r36.4	p35.7
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	r32.6	r32.8	p32.4
AGGREGATE EMPLOYEE-HOURS §																	
Seasonally Adjusted																	
Employee-hours, wage & salary workers in nonagric. establish, for 1 week in the month, seas adj. at annual rate	bil. hours	185.39	189.79	188.94	188.71	187.72	189.44	189.41	189.97	190.78	187.57	192.24	192.40	192.63	r193.00	r194.57	p194.01
Total private sector	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	r158.65	r159.95	p159.22
Mining	do	1.72	1.63	1.58	1.59	1.59	1.62	1.62	1.63	1.66	1.64	1.68	1.66	1.67	1.63	r1.63	p1.63
Construction	do	9.54	9.87	9.98	9.90	9.77	9.90	9.76	9.81	9.84	9.22	10.08	9.99	10.14	9.74	r10.10	p10.39
Manufacturing	do	40.17	46.13	40.45	40.35	40.04	40.41	40.37	40.55	40.65	40.72	41.08	41.26	41.24	r41.35	r41.29	p41.25
Transportation and public utilities	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	r11.22	r11.22	p11.16
Wholesale trade	do	11.45	11.52	11.46	11.41	11.48	11.50	11.50	11.50	11.57	11.55	11.63	11.63	11.62	11.68	r11.78	p11.68
Retail trade	do	27.10	27.81	27.72	27.65	27.93	27.80	27.67	27.82	28.10	28.14	28.05	27.97	27.59	r28.16	r28.42	p28.25
Finance, insurance, and real estate	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	r12.68	p12.43
Services	do	39.46	41.22	40.60	40.67	40.79	41.00	41.10	41.33	41.54	41.46	41.73	41.98	41.96	r42.27	r42.83	p42.42
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	r34.35	r34.62	p34.80
Indexes of employee-hours (aggregate weekly): ◊																	
Private nonagric. payrolls, total	1977=100	117.4	120.5	119.7	119.6	119.6	120.2	120.0	120.6	121.2	120.4	121.9	122.2	121.8	r122.4	r123.4	p122.9
Goods-producing	do	97.9	99.5	99.3	98.9	98.0	99.2	98.9	99.5	99.7	97.7	101.3	101.4	101.6	r100.6	r101.5	p102.1
Mining	do	86.5	83.5	79.9	80.0	81.3	83.4	83.5	85.0	85.2	84.9	87.7	86.4	85.8	r82.7	83.6	p83.6
Construction	do	130.5	134.2	136.2	135.5	132.8	134.3	132.6	133.2	133.6	124.9	136.8	136.1	138.5	130.5	r137.2	p142.3
Manufacturing	do	92.1	93.6	93.1	92.8	92.1	93.1	93.1	93.6	93.8	93.1	95.0	95.4	95.2	95.6	r95.4	p95.3
Durable goods	do	90.2	91.0	90.6	90.2	89.6	90.5	90.5	90.6	91.2	90.1	92.6	93.0	92.6	r93.0	r92.8	p92.7
Nondurable goods	do	94.9	97.5	96.7	96.5	95.7	97.0	97.0	98.1	97.7	97.4	98.7	99.0	99.2	r99.6	r99.3	p99.1
Service-producing	do	128.1	132.1	131.0	131.0	131.5	131.9	131.7	132.3	133.1	132.9	133.3	133.6	133.0	r134.4	r135.5	p134.4
Transportation and public utilities	do	106.2	108.9	107.8	107.7	107.9	108.5	107.6	109.0	109.7	109.9	110.9	110.7	110.5	112.0	r111.2	p110.5
Wholesale trade	do	117.3	117.8	117.4	116.9	117.4	117.7	117.6	117.5	118.2	117.3	118.8	119.0	118.8	r119.6	r120.3	p119.9
Retail trade	do	118.0	121.1	120.4	120.3	121.6	121.2	120.4	121.2	122.4	122.5	121.9	121.6	120.1	r122.0	r123.0	p122.0
Finance, insurance, and real estate	do	137.1	141.9	141.0	141.5	142.0	142.5	142.7	142.0	143.0	141.4	142.2	142.9	141.1	r143.1	r143.0	p140.7
Services	do	145.9	151.9	150.1	150.2	150.3	151.2	151.7	152.5	152.9	152.9	153.5	154.6	154.5	r155.7	r157.9	p156.6

See footnotes at end of tables.

LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
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	r9.18	p9.20
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	r12.69	r12.62	p12.58
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	r12.93	r12.76	p12.82
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	r10.06	p10.08
Excluding overtime	do	9.34	9.48	9.44	9.44	9.48	9.45	9.44	9.46	9.42	9.53	9.49	9.54	9.60	9.63	9.64	p9.65
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	p10.63
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	r10.15	10.15	p10.17
Lumber and wood products	do	8.33	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	p8.47
Furniture and fixtures	do	7.46	7.67	7.58	7.58	7.58	7.64	7.66	7.67	7.74	7.75	7.73	7.73	7.79	r7.82	r7.76	p7.80
Stone, clay, and glass products	do	10.05	10.27	10.15	10.13	10.23	10.26	10.29	10.33	10.31	10.40	10.31	10.34	10.33	10.37	r10.35	p10.36
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	r12.08	p12.12
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	r10.17	r10.17	p10.19
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	r10.88	p10.91
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	r10.03	r10.04	p10.09
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	r13.19	13.20	p13.25
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	r9.97	r9.98	p9.93
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	r7.97	r7.90	p7.92
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	r9.30	r9.29	p9.31
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	r8.90	8.92	p8.93
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	r9.05	9.05	p9.06
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	r13.70	r13.89	p14.15
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	r7.36	r7.32	p7.34
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	r6.02	p6.04
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	r11.52	11.49	p11.49
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	r10.39	r10.41	p10.42
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	r12.56	r12.54	p12.52
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	r14.83	r14.94	p15.03
Rubber and plastics products, nec	do	8.73	8.88	8.79	8.80	8.82	8.84	8.87	8.93	8.90	8.98	8.91	8.93	9.00	8.97	8.97	p8.98
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	r6.10	r6.14	p6.16
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	r12.11	r12.17	p12.16
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	r9.80	p9.82
Retail trade	do	6.03	6.12	6.09	6.08	6.09	6.09	6.08	6.07	6.06	6.20	6.16	6.19	6.19	r6.25	r6.24	p6.25
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	r9.00	r9.07	p9.04
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	r8.79	r8.79	p8.80
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	r9.15	r9.13	p9.19
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	r12.87	r12.73	p12.85
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	r10.03	p10.05
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	r12.07	r12.12	p12.17
Wholesale trade	do	9.35	9.61	9.50	9.53	9.52	9.59	9.58	9.59	9.68	9.65	9.72	9.75	9.69	9.77	r9.75	p9.82
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	r6.21	r6.19	p6.22
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	r8.99	r8.98	p8.98
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	r8.72	r8.70	p8.76
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	p177.1
1977 dollars ‡	do	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	r93.6	p93.6
Mining ‡‡	do	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	r185.0	r184.9	p184.8
Construction	do	152.1	154.3	152.4	153.8	153.7	154.1	155.0	154.3	154.7	154.0	154.7	156.6	154.4	r157.1	r155.8	p156.8
Manufacturing	do	172.3	175.1	173.7	174.3	175.0	174.4	174.7	174.7	175.5	176.7	176.3	176.6	176.9	r176.9	r177.5	p177.8
Transportation and public utilities	do	171.0	176.0	174.3	174.6	175.2	176.2	175.6	176.4	177.0	176.6	176.9	177.1	177.4	r176.9	r177.7	p178.4
Wholesale trade ‡‡	do	172.5	177.2	176.0	175.8	175.9	176.7	176.4	176.6	177.4	178.5	178.5	179.6	179.7	180.3	r180.5	p181.0
Retail trade	do	158.3	160.8	158.9	159.0	159.8	160.2	160.3	160.9	161.5	162.7	162.2	162.3	162.7	r163.1	r162.8	p163.3
Finance, insurance, and real estate ‡‡	do	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	r193.8	r195.2	p194.8
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	r186.4	r186.0	p187.3
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 I)	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	r13.95	p14.20	
Avg. weekly earnings per worker, private nonfarm: ◊																	
Current dollars, **seasonally adjusted**		304.85	312.50	309.91	310.07	309.18	312.36	311.11	311.81	314.80	312.09	316.89	318.29	315.21	r318.42	r317.72	p317.97
1977 dollars, **seasonally adjusted** ‡		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	r169.10	r168.46	p167.97
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	r316.71	p316.48
Mining	do	524.97	526.64	527.52	522.92	519.57	526.61	527.46	518.25	522.37	523.30	526.92	527.48	535.00	r531.71	r523.73	p517.04
Construction	do	466.38	477.28	460.37	470.87	469.37	485.10	480.44	485.20	489.06	464.83	496.25	474.88	480.53	r465.48	r461.91	p482.03
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	412.87	r409.44	p412.27
Durable goods	do	424.98	433.68	431.19	432.22	427.03	431.60	434.51	426.40	430.35	432.78	439.32	443.94	450.71	441.79	438.19	p442.21
Nondurable goods	do	356.71	368.23	362.29	363.60	361.03	366.11	367.13	366.40	368.45	374.91	371.79	375.14	380.37	r373.86	r370.67	p372.40
Transportation and public utilities	do	458.64	469.59	465.27	462.91	463.27	466.05	465.68	472.80	476.78	473.93	475.14	477.06	477.06	r471.08	r472.20	p469.38
Wholesale trade	do	359.04	367.10	361.95	361.19	363.09	366.53	367.49	366.53	369.41	368.43	371.33	373.04	373.04	372.02	r372.40	p371.20
Retail trade	do	176.08	179.32	174.78	175.71	177.83	178.44	179.97	182.10	183.62	183.52	179.87	179.51	181.37	r177.50	r177.84	p178.75
Finance, insurance, and real estate	do	303.94	317.11	318.50	316.54	316.17	316.54	315.95	314.58	320.68	316.44	318.92	324.52	319.32	r326.70	r330.15	p322.73
Services	do	265.20	275.28	273.13	272.48	271.32	271.51	272.21	273.22	276.36	277.02	279.83	283.08	282.85	r284.80	r286.55	p284.24
EMPLOYMENT COST INDEX @																	
Civilian workers †	6/81=100				135.0			135.9			138.6			138.6			140.6
Workers, by occupational group																	
White-collar workers	do				138.5			139.3			142.2			142.2			144.2
Blue-collar workers	do				129.1			130.1			132.5			132.5			134.7
Service workers	do				138.0			138.5			140.8			140.8			142.9
Workers, by industry division																	
Manufacturing	do				130.7			131.5			134.1			134.1			136.8
Nonmanufacturing	do				136.9			137.8			140.5			140.5			142.3
Services	do				145.2			145.8			150.6			150.6			152.8
Public administration	do				144.1			144.7			148.1			148.1			150.3
HELP-WANTED ADVERTISING																	
Seasonally adjusted index	1967=100	138	153	140	149	150	151	153	155	159	159	162	162	155	153	156	

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																	
WORK STOPPAGES																	
Work stoppages involving 1,000 or more workers:																	
Number of stoppages:																	
Beginning in month or year	number	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	2.5	2.5	2.4	2.4									
Beneficiaries, average weekly	thous	2,337		2,753	2,664	2,304	1,903	1,862									
Benefits paid @	mil. $	15,403		1,493	1,595	1,372	1,084	1,105									
Federal employees, insured unemployment, average weekly	thous	23		25	22	20	18	18									
Veterans' program (UCX):																	
Initial claims	do	151		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																	
BANKING																	
Open market paper outstanding, end of period:																	
Bankers' acceptances	mil. $	64,974	r70,565	65,144	65,954	66,752	67,779	69,622	68,495	68,645	68,771	71,891	r71,068	r70,565	62,957	62,419	63,454
Commercial and financial company paper, total	do	326,144	p373,586	337,453	337,133	349,763	355,445	351,253	347,421	347,917	360,173	361,124	354,012	p373,586	379,192	389,156	
Financial companies	do	253,131	p287,274	263,342	262,702	269,578	276,216	272,186	268,049	270,455	280,848	279,957	273,760	p287,274	292,326	297,962	
Dealer placed	do	102,753	r3115,034	104,047	103,594	105,583	107,353	109,010	105,285	107,898	113,988	108,064	103,234	r3115,034	118,571	122,453	
Directly placed	do	150,378	p172,240	159,295	159,108	163,995	168,863	163,176	162,764	162,557	166,860	171,893	170,526	p172,240	173,755	175,509	
Nonfinancial companies	do	73,013	p86,312	74,111	74,431	80,185	79,229	79,067	79,372	77,462	79,325	81,167	80,252	p86,312	86,866	91,194	
Loans of the Farm Credit System: **																	
Total, end of period	mil. $	58,250	52,498		55,507			54,268			53,638			52,498			
Federal land banks and Federal land bank associations	do	39,286	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	265,548	257,388	252,736	262,649	270,048	266,491	275,566	265,174	260,693	265,072
Reserve bank credit outstanding, total #	do	224,285	236,046	203,434	210,956	232,512	216,741	223,568	217,861	215,937	221,753	229,428	230,022	236,046	226,563	225,526	227,504
Loans	do	1,565	3,815	514	1,587	2,464	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	218,883	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	265,548	257,388	252,736	262,649	270,048	266,491	275,566	265,174	260,693	265,072
Deposits, total	do	56,899	48,368	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	38,144	36,102	39,501	37,491	39,028	43,187	41,781	41,784	35,338	39,701	38,777
Federal Reserve notes in circulation	do	195,360	212,890	189,370	191,170	193,547	196,714	198,255	199,115	199,424	199,680	202,712	207,873	212,890	205,871	206,300	209,719
All member banks of Federal Reserve System, averages of daily figures:																	
Reserves held, total	mil. $	r59,560	r62,123	57,060	57,061	59,393	58,339	58,784	58,838	58,361	59,813	61,106	61,205	62,123	62,640	r60,047	60,068
Required	do	r58,191	r61,094	55,849	56,146	58,566	57,260	57,594	58,078	57,329	59,020	59,977	60,282	61,094	61,345	r58,914	59,146
Excess	do	r1,369	r1,029	1,211	916	827	1,079	1,190	761	1,032	793	1,129	923	1,029	1,295	r1,133	922
Borrowings from Federal Reserve banks	do	r827	r777	556	527	993	1,035	776	672	647	940	943	625	777	1,082	396	1,752
Free reserves	do	r580	r345	726	480	−46	240	673	372	664	84	375	424	345	272	r812	−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	6,846	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	57,780	59,152	60,280	59,148	58,552	59,387	60,381	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	289,324	279,476	281,062	280,043	277,688	278,868	275,596	269,468	268,805	275,165	275,129	275,581	279,476			
For purchasing and carrying securities	do	14,418	12,748	13,798	13,904	20,435	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	218,439	221,069	225,630	229,891	231,801	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	116,749			
Investment account ◊	do	93,918	105,727	95,357	95,698	96,759	98,110	95,624	99,343	101,991	101,924	102,748	103,096	105,727			
Other securities ◊	do	72,205	69,058	67,511	67,295	69,450	68,218	68,887	67,544	67,501	68,080	67,564	69,038	69,058			

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FINANCE—Continued																	
BANKING—Continued																	
Commercial bank credit, seas. adj.: §																	
Total loans and securities ◊	bil. $	r2,089.9	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	r309.3	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	r196.1	196.0	192.0	193.1	194.4	195.5	195.9	194.3	193.7	193.7	194.2	196.2	196.0	194.0	195.7	.....
Total loans and leases ◊	do	r1,584.5	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	(4)	.....
Home mortgage rates (conventional 1st mortgages):																	
New home purchase (U.S. avg.)	percent	2 9.74	2 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	r8.76	8.77
Existing home purchase(U.S. avg.)	do	2 9.80	2 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	r8.84	8.76
Open market rates, New York City:																	
Bankers' acceptances, 90 days	do	6.39	6.75	5.99	6.09	6.41	6.91	6.83	6.59	6.64	7.31	7.85	7.07	7.48	6.77	6.49	6.51
Commercial paper, 6-month ‡	do	6.39	6.85	5.99	6.10	6.50	7.04	7.00	6.72	6.81	7.55	7.96	7.17	7.49	6.92	6.58	6.64
Finance co. paper placed directly, 6-mo	do	6.31	6.37	5.79	5.88	6.14	6.47	6.50	6.35	6.34	6.90	7.17	6.69	6.64	6.53	6.27	6.23
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue)	percent	5.960	5.820	5.590	5.560	5.760	5.750	5.690	5.780	6.000	6.320	6.400	5.810	5.800	5.900	5.690	5.690
CONSUMER INSTALLMENT CREDIT †																	
Not seasonally adjusted																	
Total outstanding (end of period) #	mil. $	r581,336	r623,628	r568,601	r568,352	r574,383	r577,584	r585,167	r592,527	r599,711	r607,777	r610,751	r612,341	r623,628	r621,579	619,191	.....
By major holder:																	
Commercial banks	do	r265,926	r285,856	r261,278	r261,019	r264,140	r265,551	r268,610	r271,899	r274,086	r278,679	r279,668	r279,606	r285,856	r286,159	286,103	.....
Finance companies	do	r134,660	r141,118	r131,141	r131,108	r132,295	r132,644	r134,740	r136,863	r139,049	r141,558	r142,339	r141,523	r141,118	r140,811	140,321	.....
Credit unions	do	r77,075	r82,044	r75,807	r75,829	r76,283	r76,635	r77,881	r79,006	r80,208	r81,079	r81,450	r81,692	r82,044	r81,669	81,207	.....
Retailers	do	r43,490	r46,907	r40,063	r39,665	r39,830	r40,233	r40,276	r40,192	r40,633	r40,678	r41,182	r42,438	r46,907	r44,725	43,078	.....
Savings institutions	do	r56,914	r64,099	r57,107	r57,546	r58,550	r59,122	r60,137	r60,834	r61,854	r61,940	r62,349	r63,495	r64,099	r64,456	64,875	.....
Seasonally adjusted																	
Total outstanding (end of period) #	do			r573,612	r575,452	r580,072	r581,233	r587,878	r593,512	r598,190	r602,978	r606,927	r608,726	r613,021	r619,258	624,563	.....
By major holder:																	
Commercial banks	do			r262,597	r263,269	r265,611	r267,182	r269,711	r272,287	r273,879	r276,805	r278,855	r279,550	r281,564	r284,753	287,424	.....
Finance companies	do			r133,547	r133,912	r134,826	r134,375	r135,595	r136,414	r137,663	r138,395	r139,236	r138,928	r140,072	r141,695	142,946	.....
Credit unions	do			r76,550	r76,692	r77,076	r77,188	r78,271	r79,123	r79,816	r80,351	r80,672	r80,922	r81,064	r81,662	82,011	.....
Retailers	do			r40,065	r40,224	r40,524	r40,724	r40,896	r41,144	r41,381	r41,632	r42,012	r42,291	r42,782	r42,926	43,080	.....
Savings institutions	do			r57,560	r57,974	r58,552	r58,214	r59,836	r60,944	r61,798	r62,099	r62,458	r63,411	r63,949	r64,633	65,398	.....
By major credit type:																	
Automobile	do			r248,318	r249,498	r251,211	r251,741	r254,212	r256,585	r259,558	r261,902	r263,823	r264,474	r267,180	r269,883	273,195	.....
Revolving	do			r137,238	r137,761	r140,339	r141,876	r144,777	r147,809	r149,815	r152,553	r155,196	r156,425	r159,307	r162,065	163,551	.....
Mobile home	do			r26,933	r26,811	r26,825	r26,639	r26,810	r26,966	r26,879	r26,845	r26,698	r26,604	r25,957	r25,926	25,869	.....
Total net change (during period) #	do			r2,645	r1,840	r4,620	r1,161	r6,645	r5,634	r4,678	r4,788	r3,949	r1,799	r4,295	r6,236	5,304	.....
By major holder:																	
Commercial banks	do			r1,467	r672	r2,342	r1,571	r2,529	r2,576	r1,592	r2,926	r2,050	r695	r2,014	r3,188	2,671	.....
Finance companies	do			r359	r365	r914	r−451	r1,220	r819	r1,249	r732	r841	r−308	r1,144	r1,623	1,251	.....
Credit unions	do			r279	r142	r384	r112	r1,083	r852	r693	r535	r321	r250	r142	r598	349	.....
Retailers	do			r193	r159	r300	r200	r172	r248	r237	r251	r380	r279	r491	r144	154	.....
Savings institutions	do			r296	r414	r578	r−338	r1,622	r1,108	r854	r301	r359	r953	r538	r684	765	.....
By major credit type:																	
Automobile	do			r1,323	r1,180	r1,713	r530	r2,471	r2,373	r2,973	r2,344	r1,921	r651	r2,706	r2,704	3,312	.....
Revolving	do			r1,646	r523	r2,578	r1,537	r2,901	r3,032	r2,006	r2,738	r2,643	r1,229	r2,882	r2,758	1,486	.....
Mobile home	do			r−25	r−122	r14	r−186	r171	r156	r−87	r−34	r−147	r−94	r−647	r−32	−57	.....
FEDERAL GOVERNMENT FINANCE																	
Budget receipts and outlays:																	
Receipts (net)	mil. $	1 769,091	1 854,143	55,463	56,515	122,897	47,691	82,945	64,223	60,213	92,410	62,354	56,987	85,525	81,791	60,355	64,961
Outlays (net) §§	do	1 990,231	r1,003,067	r83,842	r84,447	r83,988	r83,264	r83,429	r86,431	81,890	r77,087	r93,055	r83,911	r109,771	r65,786	r84,258	94,108
Budget surplus or deficit (−) §§	do	r−221,140	r−148,924	r−28,379	r−27,932	r38,909	r−35,573	r−484	r−22,208	−21,677	r−15,323	r−30,701	r−26,924	r−24,246	r16,005	r−28,903	−29,147
Budget financing, total §§	do	1 221,140	r148,924	r28,379	r27,932	r−38,909	r35,573	r484	r22,208	21,677	r−15,323	r30,701	r26,924	r24,246	r−16,005	r23,903	29,147
Borrowing from the public §§	do	1 236,187	r150,989	r15,261	r7,804	r8,823	r12,834	r9,719	r−3,163	33,010	r−8,113	r27,242	r24,756	r10,136	r5,361	r20,158	17,160
Reduction in cash balances	do	1 −15,047	1 −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 §§	do	1 2,129,964	r2,355,206	r2,246,899	r2,252,441	r2,273,417	r2,292,619	r2,314,460	r2,312,089	r2,349,272	r2,355,206	r2,389,573	r2,415,486	r2,437,637	r2,454,096	r2,477,438	2,493,195
Held by the public §§	do	1 1,746,044	r1,897,034	r1,836,119	r1,843,923	r1,852,746	r1,865,579	r1,875,297	r1,872,137	r1,905,147	r1,897,034	r1,924,277	r1,949,034	r1,959,170	r1,964,452	r1,984,612	2,001,771
Budget receipts by source and outlays by agency:																	
Receipts (net), total	mil. $	1 769,091	1 854,143	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	1 348,959	1 392,557	22,805	14,240	71,850	9,275	40,521	31,889	26,884	39,797	32,429	25,039	36,537	43,987	25,651	19,868
Corporation income taxes (net)	do	1 63,143	1 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. $	1 283,901	1 303,318	25,590	23,689	33,646	30,218	24,712	23,346	25,712	25,403	22,177	23,756	23,361	28,162	28,500	25,676
Other	do	1 73,087	1 74,342	6,131	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 §§	do	1 990,231	r1,003,067	r83,842	r84,447	r83,988	r83,264	r83,429	r86,431	81,890	r77,087	r93,055	r83,911	r109,771	r65,786	r84,258	94,108
Agriculture Department	do	1 58,666	1 49,593	3,877	4,629	4,754	2,935	1,818	4,193	3,825	733	7,645	5,194	3,806	4,428	643	4,358
Defense Department, military	do	1 265,636	1 274,007	22,857	24,073	23,758	22,836	24,012	23,477	23,707	21,470	25,274	20,660	28,356	19,227	23,066	25,756
Health and Human Services Department	mil. $	1 333,935	1 351,315	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	1 179,189	1 180,345	13,744	11,917	12,047	14,198	26,202	12,323	13,866	11,143	11,796	15,912	29,084	13,902	15,184	13,136
National Aeronautics and Space Adm	do	1 7,403	1 7,591	669	583	525	661	699	671	645	698	936	772	843	622	606	804
Veterans Administration	do	1 26,536	1 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. $	11,064	11,078	11,085	11,081	11,076	11,070	11,069	11,069	11,068	11,075	11,085	11,082	11,078	11,068	.....	.....
Price at New York ‡‡	dol. per troy oz	367.867	446.504	401.318	408.914	438.721	461.230	449.591	450.809	460.883	460.198	465.355	466.468	486.305	476.580	441.903	443.607
Silver:																	
Price at New York ‡‡	dol. per troy oz	5.470	7.009	5.488	5.682	7.428	8.439	7.411	7.678	7.847	7.590	7.562	6.662	6.790	6.732	6.325	6.413

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
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. $	r666.8	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	r2,687.2	r2,861.8	2,817.2	2,826.5	2,855.1	2,836.0	2,850.1	2,862.6	2,868.2	2,875.9	r2,895.2	r2,899.9	r2,914.6	r2,937.5	r2,933.8	2,960.4
M3	do	r3,360.0	r3,587.0	r3,513.1	r3,526.6	r3,555.0	3,552.8	r3,577.8	r3,586.4	r3,602.8	r3,618.4	r3,642.0	r3,663.8	r3,677.4	r3,698.7	r3,704.8	3,731.4
L (M3 plus other liquid assets)	do	r3,993.6	r4,241.4	4,171.3	4,173.6	r4,191.3	4,201.2	r4,230.7	r4,227.4	r4,250.6	r4,278.6	r4,312.8	r4,334.1	r4,343.5	r4,382.4	4,392.4	
Components (not seasonally adjusted):																	
Currency	do	r174.4	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	r281.0	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	r205.1	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	83.4	85.9	79.6	77.9	r82.9	r78.2	75.1
General purpose and broker/dealer money market funds	do	r196.3	r213.8	211.5	212.5	212.1	209.9	210.6	210.6	213.1	216.3	r218.2	r219.7	r221.1	r225.0	r231.1	235.0
Money market deposit accounts	do	r544.0	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	r522.6	524.9
Savings deposits	do	r328.8	407.7	386.0	395.4	405.9	412.4	417.3	420.5	418.5	417.3	417.8	413.2	410.0	411.2	412.2	418.8
Small time deposits @	do	r879.3	865.3	850.4	846.4	840.9	839.1	847.8	859.6	866.8	873.2	885.6	903.8	914.6	929.6	r944.6	954.1
Large time deposits @	do	r446.9	459.6	444.0	447.5	447.2	453.7	457.0	456.5	461.7	465.9	473.1	481.3	485.4	r485.0	r490.1	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	r2,894.6	r2,896.5	r2,901.0	r2,925.2	r2,946.4	2,969.0
M3	do			r3,524.6	r3,532.9	r3,549.8	3,564.6	r3,581.8	r3,588.5	r3,605.5	r3,620.5	r3,642.0	r3,656.5	r3,660.8	r3,686.2	r3,716.3	3,738.2
L (M3 plus other liquid assets)	do			4,175.9	4,174.2	r4,189.6	4,217.9	r4,234.0	r4,236.0	r4,257.8	r4,283.5	r4,312.5	r4,324.2	r4,325.4	r4,363.7	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			295.9	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	r416.2	420.0
Small time deposits @	do			848.1	847.0	845.1	845.9	852.1	859.1	865.9	872.1	883.3	901.7	913.1	r924.6	r941.6	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	r482.8	r488.7	489.6
PROFITS AND DIVIDENDS (QTRLY.)																	
Manufacturing corps. (Bureau of the Census):																	
Net profit after taxes, all manufacturing	mil. $	83,121	114,171		r23,959			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			3,883			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		r660			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		r4,177			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	r98,673	r7,978	r14,692	r7,255	r6,863	r11,173	r7,718	r6,940	r5,744	r6,644	r8,494	r7,685	5,417	8,003	7,957
Short-term	do	20,111	r15,486	r503	676	r2,798	282	r2,005	r2,391	r2,272	r491	r1,216	r1,854	r626	404	630	215
SECURITY MARKETS																	
Stock Market Customer Financing																	
Margin credit at broker-dealers, end of year or month	mil. $	36,840	31,990	35,740	38,080	39,820	38,890	38,420	40,250	41,640	44,170	38,250	34,180	31,990	31,320	31,990	32,660
Free credit balances at brokers, end of year or month:																	
Margin-account	do	4,880	4,750	4,470	4,730	4,660	4,355	3,680	4,095	4,240	4,270	8,415	6,700	4,750	4,675	4,555	4,615
Cash-account	do	19,000	15,640	17,325	17,370	17,285	16,985	15,405	15,930	16,195	15,895	18,455	15,360	15,640	15,270	14,695	14,355
Bonds																	
Prices:																	
Standard & Poor's Corporation, domestic municipal (15 bonds)	dol. per $100 bond	65.1	62.7	70.9	70.4	63.2	59.8	61.2	61.6	61.1	58.0	55.0	59.8	60.5	61.8	63.7	61.8
Sales:																	
New York Stock Exchange, exclusive of some stopped sales, face value, total	mil. $	10,464.10	9,726.24	766.66	853.65	932.27	780.02	790.99	793.38	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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		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	9.82	9.87	9.92	10.14	10.64	10.97	10.54	10.59	10.37	9.89	9.86
By rating:																	
Aaa	do	9.02	9.38	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	9.83	9.98	10.00	10.20	10.72	10.98	10.63	10.62	10.43	9.94	9.89
Baa	do	10.39	10.58	9.65	9.61	10.04	10.51	10.52	10.61	10.80	11.31	11.62	11.23	11.29	11.07	10.62	10.57
By group:																	
Industrials	do	9.96	9.83	9.25	9.23	9.40	9.81	9.87	9.82	9.94	10.28	10.60	10.25	10.18	9.98	9.67	9.61
Public utilities	do	9.46	9.98	8.81	8.75	9.30	9.82	9.87	10.01	10.33	11.00	11.32	10.82	10.99	10.75	10.11	10.11
Railroads	do	9.85	9.63	9.22	9.13	9.30	9.53	9.56	9.52	9.69	9.96	10.07	10.30	10.08	10.04	9.85	9.91
Domestic municipal:																	
Bond Buyer (20 bonds)	do	7.23	7.69	6.59	6.93	7.85	8.03	7.81	7.73	8.05	8.53	8.43	7.90	7.86	7.51	r7.47	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=10	236.34	286.83	280.93	292.47	289.32	289.12	301.38	310.09	329.36	318.66	280.16	245.01	240.96	250.48	258.13	265.74
Industrial, total (400 Stocks) #	do	262.16	330.90	318.18	334.65	335.43	336.10	349.58	362.36	384.94	372.49	323.13	280.11	277.68	288.36	296.46	308.04
Capital goods	do	227.14	288.23	275.49	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	1941-43=10	141.73	166.90	158.02	163.02	160.27	169.22	174.05	186.70	195.96	191.61	165.87	143.44	146.46	150.08	153.52	162.44
Financial (40 Stocks)	1970=10	28.36	28.15	30.21	31.00	28.42	27.80	29.55	29.44	31.45	30.02	26.67	22.89	21.12	22.41	23.27	23.30
Money center banks	1941-43=10	115.71	112.03	121.00	117.56	111.12	114.97	125.53	122.72	128.94	118.70	102.06	84.15	76.47	78.23	83.39	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	r161.70	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	r195.31	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	r140.39	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	r74.30	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	r146.48	158.41	162.41	150.52	145.97	152.73	152.25	160.94	154.08	137.35	118.30	r111.47	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	367.27	422.72	428.59	453.66	449.35	447.28	450.95	456.03	477.19	473.10	401.95	319.74	318.90	344.41	354.62	386.34
Insurance	do	430.57	425.25	458.29	460.48	429.80	414.05	507.73	436.74	461.37	450.84	413.18	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	378.87	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	2.62	2.62	2.51	2.52	2.54	2.46	2.36	2.26	2.33	2.78	3.15	3.18	3.14	3.07	2.96
Utilities (40 stocks)	do	6.54	6.52	5.95	6.00	6.68	6.89	6.64	6.69	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. $	r1,705,124	r2,284,166	180,157	193,961	210,257	186,900	171,072	189,896	210,518	197,013	267,786	r152,649	r142,612	128,229		
Shares sold	millions	r48,338	r63,771	4,840	5,341	5,343	4,797	4,622	5,333	5,543	4,894	7,489	r5,306	r5,263	4,323		
On New York Stock Exchange:																	
Market value	mil. $	1,448,235	r1,983,311	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	r53,038	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	498,301	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	37,890	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																	
VALUE OF EXPORTS																	
Exports (mdse.), incl. reexports, total @	mil. $	226,818.5	252,865.8	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	
Excl. Dept. of Defense shipments	do	226,808.1	252,852.7	19,359.2	21,775.0	20,495.6	20,781.1	21,125.7	21,005.3	20,221.1	20,985.3	21,751.9	23,798.0	24,801.1			
Seasonally adjusted	do																
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	5,163.4	6,086.6	5,746.6	5,622.2	5,702.8	6,333.5	6,531.9	6,171.9	6,234.4	7,125.4	7,981.6	6,889.1	7,111.6	
Australia and Oceania	do	6,658.5	6,525.9	430.3	509.5	520.4	603.8	554.7	557.2	622.5	525.7	539.1	591.9	540.4	498.6	515.8	
Europe	do	63,631.2	71,917.2	6,060.5	6,612.6	6,171.7	5,974.4	5,783.0	5,378.5	5,524.4	5,902.8	6,133.6	6,671.5	6,960.9	6,650.7	7,259.7	
Northern North America	do	55,513.7	59,817.6	4,763.0	5,259.0	4,928.7	5,055.7	5,606.1	4,715.2	4,166.0	4,844.9	5,273.3	5,512.3	5,541.1			
Southern North America	do	19,126.3	21,941.5	1,596.0	1,864.0	1,739.7	1,782.3	1,845.1	1,942.7	1,789.7	1,931.5	1,875.8	2,089.7	1,937.9			
South America	do	11,949.8	13,036.1	874.5	895.5	870.2	1,077.1	1,045.8	1,467.5	1,110.6	1,149.8	1,214.7	1,213.0	1,327.7			
By leading countries:																	
Africa:																	
Egypt	do	1,981.8	2,210.3	191.5	217.4	196.2	332.4	217.1	266.7	126.1	83.6	129.6	163.0	117.6	174.8	127.7	
Republic of South Africa	do	1,158.3	1,281.2	92.7	96.7	105.9	108.9	103.1	89.3	121.8	111.4	109.7	130.0	131.9	115.6	108.1	
Asia; Australia and Oceania:																	
Australia, including New Guinea	do	5,602.5	5,545.7	360.7	439.2	443.4	521.6	473.2	472.4	520.6	437.9	448.9	509.5	462.5			
Japan	do	26,881.6	28,248.6	2,034.6	2,138.6	2,170.6	2,151.5	2,293.0	2,561.3	2,657.9	2,424.3	2,392.4	2,637.7	3,001.3	2,668.0	2,937.0	

See footnotes at end of tables.

FOREIGN TRADE OF THE UNITED STATES—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
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	735.8	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	1,359.7	
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	23,935.6	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	23,935.3			
Agricultural products, total	do	26,061.0	28,636.2	2,220.8	2,416.2	2,270.1	2,178.9	2,070.7	2,385.7	2,134.8	2,334.0	2,676.1	2,825.3	2,958.6	2,876.7	3,156.2	
Nonagricultural products, total	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	1,543.9	1,502.1	1,785.6	1,706.3	1,681.4	1,766.1	1,684.8	1,783.3	1,735.5	1,874.1	
Beverages and tobacco	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	22,765.8	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	mil. $	95,289.5	108,596.0	8,438.9	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	6,067.7	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	3,075.6	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	1,344.0	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	11,939.4	830.7	770.2	875.2	870.2	1,090.6	1,349.4	1,304.8	1,009.4	1,019.8	1,156.0	1,088.9	955.9	915.8	
Asia	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	6,933.8	7,332.6	7,340.5	7,242.4	6,780.9	7,932.0	7,179.0	7,472.2	6,353.9	7,186.4	
Europe:																	
France	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	658.0	777.0	682.8	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	1,888.3	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	1,868.4	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	338.5	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	3,829.7	4,240.2	3,940.2	3,611.5	3,575.6	3,795.1	
Petroleum and products	do	34,140.4	41,529.4	3,105.1	2,972.2	2,779.0	3,242.4	3,773.7	4,348.0	4,391.1	3,617.5	4,006.5	3,693.3	3,265.5			
Oils and fats, animal and vegetable	do	515.9	568.1	34.2	48.1	38.3	40.1	32.8	56.2	46.8	48.3	61.5	72.1	55.2	55.0	61.9	
Chemicals	do	15,000.7	16,213.4	1,305.2	1,422.9	1,345.6	1,325.5	1,318.8	1,352.2	1,319.3	1,309.3	1,384.0	1,424.9	1,568.8	1,526.2	1,646.3	
Manufactured goods #	do	48,825.9	53,356.3	4,126.3	4,442.1	4,131.2	4,425.2	4,578.7	4,722.6	4,538.5	4,462.2	4,829.0	4,632.1	4,582.4	4,685.0	4,901.4	
Machinery and transport equipment	do	161,561.6	177,808.7	14,391.0	14,724.1	14,623.3	14,951.3	15,533.1	14,796.6	14,041.0	14,216.3	16,490.3	15,898.6	16,294.0	14,131.8	15,693.8	
Machinery, total #	do	87,548.6	99,432.9	7,724.9	8,301.5	8,019.6	7,952.9	8,366.5	8,456.0	8,332.8	8,555.2	9,372.0	8,773.6	9,109.1	8,013.5	9,116.8	
Transport equipment	do	74,013.0	78,375.8	6,666.1	6,422.6	6,603.7	6,998.4	7,166.6	6,340.5	5,708.1	5,661.2	7,118.3	7,125.0	7,184.9	6,118.3	6,577.0	
Motor vehicles and parts	do	66,572.4	70,763.8	6,075.3	5,845.4	6,028.5	6,367.3	6,370.7	5,620.2	5,118.4	5,084.3	6,328.8	6,544.9	6,316.9			

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.
FOREIGN TRADE OF THE UNITED STATES—Continued																	
Indexes																	
Exports (U.S. mdse., excl. military grant-aid):																	
Unit value @	1977=100	155.4	158.6	155.5	157.9	158.2	158.9	157.9	160.0	159.9	163.9	161.4	160.6	159.0	163.4	161.3	
Quantity	do	112.6	127.0	117.5	131.1	124.8	125.9	126.9	123.1	122.8	125.5	127.1	142.6	147.1	130.7	142.4	
Value	do	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 @	do	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	do	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	do	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																	
Air Carriers																	
Certificated route carriers:																	
Passenger-miles (revenue)	bil.	[1]366.55	[1]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	mil.	[1]45,681	50,451	3,500	4,337	4,120	4,302	4,441	4,839	4,992	4,012	4,210	3,906	4,111			
Operating revenues (quarterly) # §	mil. $	49,987			12,638			14,064			15,338						
Passenger revenues	do	39,608			9,918			11,271			12,314						
Cargo revenues	do	5,623			1,447			1,553			1,637						
Mail revenues	do	833			211			214			221						
Operating expenses (quarterly) §	do	[1]48,725			12,514			13,028			14,152						
Net income after taxes (quarterly) §	do	[1]−176			−233			479			615						
Domestic operations:																	
Passenger-miles (revenue)	bil.	302.09	[1]324.48	23.82	[r]29.64	27.46	28.24	28.49	30.80	31.79	24.21	25.73	24.27	25.57			
Cargo ton-miles	mil.	[1]3,990	4,339	307	358	343	357	359	367	374	381	414	387	385			
Mail ton-miles	do	[1]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) §	do	39,833			10,367			10,545			11,202						
Net income after taxes (quarterly) §	do	[1]−17			−279			355			262						
International operations:																	
Passenger-miles (revenue)	bil.	64.44	79.83	4.21	5.40	5.73	6.58	7.76	9.11	9.70	7.37	6.90	5.60	6.02			
Cargo ton-miles	mil.	3,346	[1]3,921	259	330	312	322	231	346	334	339	383	385	348			
Mail ton-miles	do	433	443	31	35	36	35	30	34	34	33	37	44	57			
Operating revenues (quarterly) §	mil. $	8,616			2,122			2,665			3,331						
Operating expenses (quarterly) §	do	8,449			2,084			2,456			2,882						
Net income after taxes (quarterly) §	do	−169			20			109			305						
Urban Transit Systems																	
Passengers carried, total *	mil.	9,009		703	789	772	730	751	723	721	731						
Motor Carriers																	
Carriers of property, large, class I, qtrly.:																	
Number of reporting carriers		100			100			100			100						
Operating revenues, total	mil. $	18,480			4,331			4,673			4,859						
Net income, after extraordinary and prior period charges and credits	mil. $	548			46			105			60						
Tonnage hauled (revenue), common and contract carrier service	mil. tons	166			42			44			45						
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																	
Common carriers of general freight, seas. adj.	1967=100	148.0	163.9	158.9	160.2	158.0	158.8	162.0	161.7	163.6	168.5	170.9	176.2	173.4	[r]174.9	[p]171.0	
Class I Railroads ‡																	
Financial operations, quarterly (AAR), excluding Amtrak:																	
Operating revenues, total #	mil. $	[1]25,957	26,623		6,446			6,625			6,712			6,840			
Freight	do	[1]25,098	25,798		6,229			6,423			6,513			6,632			
Passenger, excl. Amtrak	do	110	95		28			24			22			20			
Operating expenses	do	[1]24,652	23,881		5,752			5,733			6,415			5,982			
Net railway operating income	do	1,168	1,752		403			572			239			538			
Ordinary income †	do	733	1,989		444			556			299			690			
Traffic:																	
Revenue ton-miles, qtrly. (AAR)	bil.	867.7	948.0		226.4			230.5			242.3			248.7	[3]73.1	[3]74.3	
Price index for railroad freight	12/84=100	100.8	100.1	99.7	99.7	100.1	100.0	100.2	100.1	100.2	100.2	100.2	100.2	100.3	103.3	103.3	103.4
Travel																	
Lodging industry:																	
Restaurant sales index	same month 1967=100	219	223	213	236	216	253	243	232	208	220	243	209	232			
Hotels: Average room sale ◊	dollars	73.61	82.58	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	32.87	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]1,816	[3]1,999	[3]1,416	[3]1,343	[3]1,195				
Departures (quarterly)	do	14,357			3,502			4,191	[3]1,798	[3]1,634	[3]1,342	[3]1,272	[3]1,081				
Aliens: Arrivals (quarterly)	do	10,265			2,226			4,594	[3]1,376	[3]1,331	[3]1,048	[3]969	[3]817				
Departures (quarterly)	do	8,818			2,056			4,008	[3]965	[3]1,283	[3]998	[3]910	[3]784				
Passports issued	do	4,110	4,872	385	543	518	477	536	495	372	333	300	276	304	326	378	
National parks, recreation visits # #	do	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	[r]1,399	1,531	2,200

See footnotes at end of tables.

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TRANSPORTATION AND COMMUNICATION—Continued																	
COMMUNICATION																	
Telephone carriers: ◇																	
Operating revenues #	mil. $	73,897			18,319			18,606			18,832						
Station revenues	do	31,218			7,859			7,882			7,595						
Tolls, message	do	8,536			2,217			2,293			2,347						
Operating expenses (excluding taxes)	do	48,553			11,981			12,441			12,823						
Net operating income (after taxes)	do	13,140			3,457			3,376			3,372						
Access lines	mil				110.7			111.1			112.4						
CHEMICALS AND ALLIED PRODUCTS																	
CHEMICALS																	
Inorganic Chemicals																	
Production:																	
Aluminum sulfate, commercial (17% Al_2O_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	r214	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	r85	80	
Sodium sulfate, anhydrous ‡	do	811	805	64	65	69	65	69	66	70	75	68	67	70	r60	65	
Sodium tripolyphosphate (100% $Na_5P_3O_{10}$) ‡	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	r9,363	740	788	754	781	783	793	799	775	781	735	787	r796	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	r2,250	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	r251	231	
Phosphoric acid (100% P_2O_5) ‡	do	9,578	10,473	789	901	951	847	780	809	900	894	943	898	967	921	958	
Sulfuric acid (100% H_2SO_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	1,328	1,415	1,294	1,140	1,198	1,438	1,418	1,415	1,304	1,337	r1,351	1,371	
Stocks, end of period	do	775	704	511	401	420	632	552	616	615	539	671	832	704	r750	761	
Potash, sales (K_2O)	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	(3)	2	3	6	(3)	7	
Industrial Gases ‡																	
Production:																	
Acetylene	mil. cu. ft	5,034	r5,605	511	518	505	509	436	434	419	490	420	422	r431	420	413	
Hydrogen (high and low purity)	do	141,815	r163,659	13,111	13,450	13,980	13,607	14,525	14,864	15,357	14,025	12,949	12,167	r12,566	12,408	12,090	
Nitrogen (high and low purity)	do	617,386	r653,970	47,632	53,739	51,504	52,947	52,904	52,956	54,148	56,897	60,653	59,417	r60,226	60,587	58,894	
Oxygen (high and low purity)	do	346,839	r390,067	27,174	31,104	30,182	30,927	29,832	31,098	31,177	35,693	37,531	36,487	r37,907	38,064	35,576	
Organic Chemicals §																	
Production:																	
Acetylsalicylic acid (aspirin)	mil. lb.	r30.5	rr24.2		7.6			5.8			3.4			5.4			
Ethyl acetate	do	r198.1	198.3		47.2			56.2			50.7			44.3			
Formaldehyde (37% HCHO)	do	r5,549.4	rr6,064.4		1,341.5			1,613.5			1,548.5			1,552.6			
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	r24.0	23.7	
Methanol, synthetic	mil. gal	r1,085.1	1,098.2		238.1			285.7			296.3			278.0			
Phthalic anhydride	mil. lb.	r863.1	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	mil. wine gal	r408.6	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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		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.	r1,813.5			(2)												
Polyethylene and copolymers	do	r15,983.0	r17,675.8		4,286.7			4,234.9			4,323.3			4,515.2			
Polypropylene	do	r6,256.5	6,633.5		1,557.9			1,578.4			1,743.2			1,754.1			
Polystyrene and copolymers	do	r7,078.4			(2)												
Polyvinyl chloride and copolymers	do	r7,283.6	7,986.0		1,909.1			1,990.9			1,990.6			2,095.4			
PAINTS, VARNISH, AND LACQUER ◊																	
Total shipments	mil. $	9,493.8	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	r759.7	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	r342.0	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	r144.5	160.7	
ELECTRIC POWER AND GAS																	
ELECTRIC POWER																	
Production:																	
Electric utilities, total	mil. kw.-hr	2,487,310	2,572,127	r194,034	r201,849	r189,496	r206,074	r225,589	r247,915	r247,645	r213,008	r203,009	r200,258	220,500	237,586		
By fuels	do	2,196,465	2,322,432	r172,808	178,600	r167,471	r181,872	r204,727	r227,721	r229,198	194,828	r185,054	183,401	199,413	215,371		
By waterpower	do	290,844	249,695	r21,226	r23,248	r22,025	r24,202	r20,863	r20,195	18,446	r18,180	r17,955	16,857	21,087	22,214		
Sales to ultimate customers, total (Edison Electric Institute) ◊	mil. kw.-hr	2,355,311	2,442,576		600,394			578,038			676,627			589,616			
Commercial §	do	630,260	659,121		155,535			158,908			186,440			159,110			
Industrial §	do	817,396	846,853		199,187			211,040			222,491			214,111			
Railways and railroads	do	4,714	4,755		1,278			1,122			1,155			1,202			
Residential or domestic	do	820,826	850,334		224,419			187,006			244,803			195,168			
Street and highway lighting	do	14,921	14,596		3,607			3,482			3,594			3,771			
Other public authorities	do	62,038	62,442		15,207			15,275			16,996			15,236			
Interdepartmental	do	5,155	4,476		1,161			1,204			1,149			1,018			
Revenue from sales to ultimate customers (Edison Electric Institute) ◊	mil. $	152,814	155,869		37,206			36,758			45,084			36,977			
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	r177.85	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	14.67	15.44	15.47	15.44	15.42	14.74	14.17	14.20	13.66	12.85	12.94	13.47		
Distilled spirits (total):																	
Production	mil. tax gal	85.70	76.51	6.31	7.79	7.68	6.82	5.86	4.74	4.21	6.52	9.24	6.72	4.41			
Consumption, apparent, for beverage purposes	mil. wine gal	393.27		r27.49	r31.44	r30.33	r30.32	r33.54	r29.78	r28.88	r31.20	r31.44	37.45				
Stocks, end of period	mil. tax gal	r500.72	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	.80	1.13	1.11	1.04	.81	.88	.96	1.05	1.96	2.45	1.23	.60	.72	
Still wines:																	
Production	do	r482.34	441.58	5.21	5.02	5.82	4.51	5.13	7.58	96.15	176.15	78.80	25.70	24.78			
Taxable withdrawals	do	r448.14	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	r598.74	601.63	608.79	525.26	545.88	468.33	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			

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FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

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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	r247.9	r251.1	237.9	211.2	187.3	176.2	165.6	158.5	143.2	157.3	r198.8	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	r93.2	92.5	[8]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	432.8	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	r457.1	r652.4	r646.5	r646.2	r666.8	r659.0	r642.5	r606.6	r580.8	r538.0	r495.9	r457.1	452.8	r445.9	432.7
American, whole milk	do	601.7	r367.4	r564.3	r557.1	r553.3	r569.4	564.7	r547.1	r509.7	r485.3	r441.2	r403.4	r367.4	362.7	r357.5	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	(9)														
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	10,038	10,205	9,740	10,647
Utilization in manufactured dairy products	do	82,606	81,890	6,304	7,179	7,291	7,696	7,395	7,219	6,518	6,416	6,486	6,121	6,798	r6,881	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	p12.00
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	.783	.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	[2]610.5	[2]527.0														
Stocks (domestic), end of period, total	do	[6]324.8	[6]335.6				[6]335.6										
On farms	do	[6]199.3	[6]193.9				[6]193.9										
Off farms	do	[6]125.6	[6]141.7				[6]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	[10]85.7	72.7	72.9	92.5	100.3	88.8	86.2	79.4	90.4	95.1		91.4	[8]89.3	89.3	97.7
Corn:																	
Production (crop estimate, grain only)	mil. bu	[2]8,249.9	[2]7,064.1														
Stocks (domestic), end of period, total	do	[7]10,305.5	[7]9,768.5	8,248.2			[3]6,332.2			[1]4,881.7			r9,768.5			7,631.5	
On farms	do	[7]6,795.5	[7]6,100.0	5,024.0			[3]3,491.8			[1]2,284.5			6,100.0			4,421.0	
Off farms	do	[7]3,510.0	[7]3,668.5	3,224.2			[3]2,840.4			[1]2,597.2			r3,668.5			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	[8]73.3	80.8	80.2
Oats:																	
Production (crop estimate)	mil. bu	[2]386.4	[2]373.8														
Stocks (domestic), end of period, total	do	[6]183.7	[6]132.7				[6]132.7										
On farms	do	[6]147.2	[6]103.3				[6]103.3										
Off farms	do	[6]36.5	[6]29.4				[6]29.4										
Exports, including oatmeal	do	3.9	2.1	.2	.3	.2	.2	.2	.1	.2	.1	.2	.1	(5)	.2	.2	
Producer Price Index, No. 2, Minneapolis	1982=100	69.3	[10]92.5	86.6	86.6	81.9	100.1	88.8	85.1	89.8	99.1		106.2	106.2	[8]107.0	110.7	103.0
Rice:																	
Production (crop estimate)	mil. bags #	[2]133.4	[2]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		2,556	2,302	1,983	1,748	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	r101.0	104.9	[8]107.8	115.4	117.7
Rye:																	
Production (crop estimate)	mil. bu	[2]19.5	[2]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	[8]54.9	54.9	50.5
Wheat:																	
Production (crop estimate), total	mil. bu	[2]2,092	[2]2,105														
Spring wheat	do	[2]570	[2]542														
Winter wheat	do	[2]1,522	[2]1,563														
Distribution, quarterly @	do	2,076	2,293	429			437			940			487				
Stocks (domestic), end of period, total	do	[7]2,673.5	[7]2,505.3	2,250.4			[4]1,820.9			2,988.5			r2,505.3			1,908.5	
On farms	do	[7]1,063.0	[7]971.0	794.0			[4]560.0			1,168.0			971.0			737.0	
Off farms	do	[7]1,610.5	[7]1,534.3	1,456.4			[4]1,260.9			1,820.5			r1,534.3			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.

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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	[2]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	[2]76.5	83.7	75.5
Wheat flour:																	
Production:																	
Flour	thous. sacks (100 lb.)	341,166	351,040	27,970	28,992	27,457	29,968	29,753	28,236	29,545	29,919	31,827	30,227	28,558	r25,858	26,380	.....
Millfeed	thous. sh. tons	6,011	6,241	506	512	507	534	532	508	523	524	555	533	504	r460	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	r58,158	58,887	.....
Stocks held by mills, end of period	thous. sacks (100 lb.)	5,228	5,765	.....	5,738	.....	.....	6,176	.....	.....	5,872	.....	.....	5,765	.....	.....	.....
Exports	do	23,741	26,367	1,508	2,417	2,852	2,856	2,233	2,633	1,902	1,528	1,081	2,777	1,779	3,057	883	.....
Producer Price Index	6/83=100	91.4	89.7	89.1	89.2	89.8	93.5	90.1	88.4	88.0	90.1	91.3	r90.1	90.0	91.1	94.3	90.8
POULTRY AND EGGS																	
Poultry:																	
Slaughter	mil. lb.	18,039	r19,874	r1,422	1,595	1,592	1,589	1,772	1,751	1,662	1,806	1,848	1,598	1,694	r1,618	1,507	.....
Stocks, cold storage (frozen), end of period, total	mil. lb.	369	r501	409	427	457	r513	r593	676	745	r842	841	r530	r501	526	r562	593
Turkeys	do	178	282	211	r226	251	r298	r382	473	560	r641	630	r322	282	299	r335	353
Price, in Georgia producing area, live broilers	$ per lb	.325	.270	.275	.270	.270	.280	.250	.255	.290	.270	.230	.235	.220	.245	.230	.250
Eggs:																	
Production on farms	mil. cases §	190.0	193.0	14.9	16.7	16.1	16.3	15.6	16.1	16.1	15.8	16.5	16.1	16.7	16.6	15.7	16.6
Stocks, cold storage, end of period:																	
Shell	thous. cases §	22	43	25	32	28	38	32	34	32	33	51	40	43	67	r53	67
Frozen	mil. lb.	13	17	13	14	15	17	17	17	17	16	18	17	17	18	18	14
Price, wholesale, large (delivered; Chicago)	$ per doz.	.681	.579	.620	.592	.590	.518	.556	.554	.587	.648	.555	.563	.521	.512	.489	.536
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	68.28	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	r78,913	5,886	r6,787	6,492	r5,922	5,987	6,019	r6,019	6,855	r7,519	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	r25.0	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	r38,442	r2,875	r3,197	3,160	2,975	r3,103	r3,158	r3,135	r3,331	r3,521	r3,197	3,378	3,242	3,070	3,354
Stocks, cold storage, end of period	do	564	623	599	r598	591	r560	r499	516	r496	523	r576	r614	623	656	r693	716
Exports (meats and meat preparations)	do	1,722	2,017	133	151	157	176	167	177	178	180	176	191	181	159	153	.....
Imports (meats and meat preparations)	do	2,544	2,755	218	236	240	222	268	277	244	249	244	191	156	290	238	.....
Beef and veal:																	
Production, total	do	24,722	r23,821	r1,780	1,945	1,962	1,883	1,993	2,051	r2,037	r2,075	r2,134	r1,860	r1,960	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	r332	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	r310	24	27	29	22	24	25	24	28	28	25	r28	24	26	35
Stocks, cold storage, end of period	do	13	8	14	14	13	r14	r12	9	8	7	7	9	8	8	8	7
Pork (excluding lard):																	
Production, total	do	13,998	r14,312	1,070	1,226	r1,170	r1,071	1,086	1,082	r1,075	r1,227	r1,359	1,312	1,390	1,244	1,183	1,360
Stocks, cold storage, end of period	do	197	285	229	r222	218	219	189	181	175	186	212	r252	285	287	r308	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	r113.1	115.9	[2]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	1.400	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 ◊	19,483	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 †	1985=100	132.5	81.6	.....	84.1	.....	.....	79.8	.....	.....	76.9	.....	.....	85.5	.....	.....	[2]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	p398	.....

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
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	[4]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	r107.1	106.8	[4]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]1,164	[1]1,226														
Stocks, dealers' and manufacturers', end of period	do	4,979	4,471		4,775			r4,435			r4,454			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	18,874	18,818	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	r149.6	152.8	[4]156.0	159.0	177.6
LEATHER MANUFACTURES																	
Footwear:																	
Production, total	thous. pairs	241,388	r220,508	18,351	19,376	18,959	18,385	20,025	15,622	19,852	20,159	19,947	17,641	r14,854	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	55,927	r39,895	2,488	3,182	2,932	2,989	4,480	2,897	3,935	4,282	4,297	3,823	r2,252	2,675	3,470	
Athletic	do	9,350		515	520	571	548	616	485	(3)	(3)	(3)	(3)	494	(3)	(3)	
Other footwear	do	2,971	r4,150	473	378	458	485	322	215	294	323	266	264	r230	267	282	
Exports	do	10,277	r14,713	r1,194	r1,239	r1,066	r988	r1,175	r1,226	r1,268	r1,285	r1,425	r1,539	r1,236	r1,278	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	[4]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	r108.3	109.6	[4]109.4	111.5	111.9
Women's plastic upper	do	106.6	r104.8	102.3	106.7	105.1	107.0	95.0	104.5	105.9	105.9	105.8	r106.6	107.2	[4]107.4	107.5	107.3
LUMBER AND PRODUCTS																	
LUMBER—ALL TYPES #																	
National Forest Products Association:																	
Production, total	mil. bd. ft.	[2]42,676	46,053	3,307	3,742	3,616	3,518	3,905	3,662	3,737	3,617	3,942	3,458	r3,829	3,814		
Hardwoods	do	[2]7,403	8,143	384	393	449	430	461	470	613	586	620	279	r998	955		
Softwoods	do	[2]35,273	37,910	2,923	3,349	3,167	3,088	3,444	3,192	3,124	3,031	3,122	2,870	r2,831	2,859		
Shipments, total	do	[2]42,618	47,090	3,302	3,735	3,686	3,656	4,039	3,671	3,812	3,540	4,034	3,470	r3,865	3,790		
Hardwoods	do	[2]7,486	9,045	453	480	499	471	492	480	609	609	646	301	r1,023	1,025		
Softwoods	do	[2]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	678	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	123.2	126.1	124.0	[4]131.1	130.4	131.4

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
LUMBER AND PRODUCTS—Continued																	
SOFTWOODS—Continued																	
Southern pine:																	
Orders, new	mil. bd. ft.	[1]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	[1]11,678	12,437	912	1,008	1,092	988	1,071	1,086	1,007	1,004	1,102	929	[r]994	938		
Shipments	do	[1]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	[r]113.5	115.7	[5]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	1,283	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	[r]119.4	116.3	[5]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	638	1,258	1,072	862	779	809	782	1,009	649	630	
Pig iron	do	47	50	1	22	1	2	12		1	4	2	2	2	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	[r]26,333	24,781	1,803	1,963	2,150	2,063	2,142	2,044	2,039	2,137	2,288	[r]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	[r]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	[r]6,184	6,214			
Stocks, end of period	do	4,344	4,420	4,366	4,411	10,124	4,260	4,316	4,363	4,291	4,279	4,505	[r]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	[r]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	[c]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	5,035	4,684	5,139	5,194	5,450	5,395	5,765	5,751		
Exports (domestic)	do	6,501	6,121	([2])	22	440	911	1,463	414	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	[r]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	[r1]48,137	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	[1]41,789	49,584	3,052	4,122	4,222	4,200	4,123	4,255	4,327	4,327	4,664	[r]4,599	4,647			
Stocks, end of period	do	226	274	214	222	223	244	239	258	262	260	256	[r]275	274			
Castings, gray and ductile iron:																	
Shipments, total	thous. sh. tons	8,333	[r]9,598	713	837	874	796	875	786	774	797	962	770	[r]690	[r]674	724	
For sale	do	5,536	[r]6,342	484	549	553	524	559	535	539	482	650	533	461	[r]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	[r]202	16	17	17	17	20	14	16	19	19	13	[r]18	18	16	

See footnotes at end of tables.

METALS AND MANUFACTURES—Continued

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
Steel, Raw and Semifinished																	
Steel (raw):																	
Production	thous. sh. tons	81,606	r1 89,151	c5,992	7,375	7,402	7,641	7,349	7,324	7,494	7,694	8,073	7,882	7,916	8,380	7,984	8,763
Rate of capability utilization	percent	63.8	r79.5	c69.5	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	r874	76	82	63	59	61	67	73	80	80	78	80	r72	81	
For sale, total	do	799	r850	73	77	61	57	59	65	72	78	79	77	r79	r70	79	
Steel Mill Products																	
Steel products, net shipments:																	
Total (all grades)	thous. sh. tons	1 70,263	r76,654	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	r5,456	413	510	539	519	541	485	546	574	545	550	525	569	515	
Structural shapes (heavy), steel piling	do	1 4,528	r5,120	369	412	412	354	458	434	429	469	487	444	446	445	470	
Plates	do	3,565	r4,048	255	294	319	315	328	343	345	382	415	393	429	593	608	
Rails and accessories	do	640	r515	37	48	43	45	39	37	40	39	54	40	40	38	42	
Bars and tool steel, total	do	12,171	r13,575	965	1,106	1,067	1,069	1,117	1,037	1,089	1,189	1,176	1,114	1,082	1,030	1,187	
Bars: Hot rolled (including light shapes)	do	6,559	r7,238	540	630	602	577	656	473	591	676	671	607	582	581	742	
Bars: Reinforcing	do	4,299	r4,918	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	r1,105	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	3,586	3,220	3,295	
Sheets: Hot rolled	do	1 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	1 13,250	13,859	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	1 15,251	1 18,629		3,873			4,113			4,925			5,291	2 1,610	2 1,620	
Construction, incl. maintenance	do	1 5,141	5,619		1,302			1,335			1,474			1,470	2 491	2 480	
Contractors' products	do	1 2,559	2,701		546			613			700			807	2 231	2 232	
Automotive	do	1 9,871	1 11,135		3,065			2,415			2,467			2,765	2 889	2 950	
Rail transportation	do	1 674	734		160			157			176			218	2 81	2 105	
Machinery, industrial equip., tools	do	1 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	1 23,367	1 31,337		7,032			6,841			7,981			8,392	2 2,759	2 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	12.8		
Steel in process	do	7.3	6.9	7.0	7.0	7.0	7.0	6.8	6.8	6.8	6.6	6.6	6.5	6.9	7.2		
Finished steel	do	5.9	5.5	5.5	5.5	5.5	5.7	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	r320	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	28.5	19.4	23.2	20.6	22.9	25.6	26.8	25.8	25.5	
Price, U.S. market, 99.7% purity, monthly average	$ per lb	.5587	.7229	.5945	.6254	.6497	.6890	.7254	.7424	.8166	.8069	.8439	.8016	.8339	.8971	.9628	1.0709
Aluminum products:																	
Shipments:																	
Ingot and mill prod. (net ship.)	mil. lb	r14,386	r15,588	r1,242	r1,329	r1,284	r1,306	r1,431	r1,348	r1,260	r1,334	r1,313	r1,219	r1,354	1,171		
Mill products, total	do	r11,416	r12,234	917	r1,063	r1,023	r1,020	1,147	1,052	r1,010	r1,033	r1,038	r944	r1,055	910		
Sheet and plate	do	6,629	r7,379	543	r644	r615	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	r4,772	r4,696	r4,584	4,515	r4,474	4,393	r4,303	r4,152	r4,211	r4,245	r4,175	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	r1 1,073.2	r1,146.0	r86.8	r86.6	r79.9	r85.1	r94.0	r90.5	r90.2	r102.8	r109.8	r111.8	r115.6	103.6		
Electrolytically refined:																	
From domestic ores	do	1 947.9	r987.1	r76.1	r75.3	r68.7	r72.7	r80.6	r76.5	r76.8	r89.0	r95.4	r95.9	r98.5	86.7		
From foreign ores	do	40.2															
Electrowon	do	125.4	r158.9	10.7	r11.3	11.2	r12.4	r13.4	r14.0	r13.4	r13.8	r14.4	r15.9	r17.1	17.0		
Refined from scrap ◊	do	1 406.2	r414.6	r31.6	r40.1	r44.3	r34.0	r35.1	r29.5	r33.2	r34.5	r35.8	r30.8	r37.1	33.8		
Imports, unmanufactured (general):																	
Refined, unrefined, scrap (copper cont.)	do	667.5	657.3	50.7	63.7	48.2	72.0	80.2	45.7	57.3	42.4	50.5	56.3	48.6	68.4	64.1	
Refined	do	503.1	515.6	38.7	55.8	38.9	60.2	69.3	37.0	45.0	28.6	35.9	40.8	31.1	49.4	38.0	
Exports:																	
Refined and scrap	do	497.1	454.8	40.5	46.3	40.8	28.4	33.0	39.7	38.0	36.5	36.1	38.5	50.5	35.5	50.2	
Refined	do	14.9	17.9	1.9	2.4	2.8	.8	1.1	.6	.5	.8	.7	2.3	3.2	4.9	2.0	
Consumption, refined (reported by mills, etc.) ◊	do	1 2,102	r2,176	r175	r206	191	r172	r192	r149	r179	r189	r189	184	r181	180		
Stocks, refined, end of period ◊	do	1 225	r173	r203	r185	r183	r177	r171	r199	r187	r177	r149	r114	r112	119		
Price, avg. U.S. producer cathode, delivered §	$ per lb	.6605	.8249	.6552	.6807	.6718	.7098	.7435	.8042	.8218	.8561	.8885	1.0853	1.3332	1.3250		

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
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	r1310.5	23.6	27.8	23.5	27.0	26.2	28.9	24.0	28.1	28.4	23.1	r25.4	27.9		
Recovered from scrap (lead cont.)	do	r1614.9	r1782.1	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	r1191.5	85.8	99.8	97.8	98.0	100.2	94.3	99.7	108.2	115.1	102.8	r97.2	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	r20.0	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	r67.7	58.1	59.5	58.0	60.7	59.5	60.9	64.3	65.4	65.5	68.2	r67.7	69.3		
Scrap (lead-base, purchased), all smelters (gross weight)	thous. met. tons	19.4	r24.0	20.2	18.7	18.6	17.9	23.8	25.5	27.6	27.3	27.1	24.4	r24.0	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	4,030	2,967	727	195	387	154		732	422		56		294	400	128	
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	r11,984	817	982	859	807	916	786	875	905	888	881	r838	851		
As metal	do	r714	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	r4,428	6,394	6,321	7,263	8,087	6,663	4,288	5,373	5,533	6,402	5,460	r4,428	4,600		
Price, Straits quality (delivered)	$ per lb	s3.6991	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:																	
Mine prod., recoverable zinc	thous. met. tons	203.0	r213.2	18.2	17.9	17.7	17.5	17.8	17.5	18.8	18.2	18.2	15.8	r18.1	16.8		
Imports (general):																	
Ores (zinc content)	do	197.7	425.5	28.5	28.3	28.2	40.0	37.2	35.7	38.5	32.7	54.8	32.8	31.1	r34.4	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		
Scrap, all types	do	273.8	r285.6	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	r16.4	17.3
Consumption, fabricators	do	r706.0	1,037.0	55.1	63.9	59.1	59.0	60.6	55.6	61.4	59.1	60.1	59.0	r84.4	90.0		
Exports	do	1.9	1.1	.2	(2)	(2)	(2)	(2)	.1	.2	.3			.1	(2)	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	r4.4	4.3
Consumers'	do	r54.2	r45.5	44.4	41.2	41.5	43.1	44.1	44.3	43.5	42.3	41.8	40.1	r45.5	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. $	148.2	r226.0		28.9			48.2			101.0			49.4			
Electric processing heating equipment	do	65.5	54.9		11.7			17.2			15.3			10.8			
Fuel-fired processing heating equip	do	82.6	r171.1		17.2			31.0			85.7			38.6			
Material handling equipment (industrial):																	
Shipments †	do																
Industrial supplies, machinery and equipment:																	
New orders index, seas. adjusted	1977=100	119.1	128.7	124.3	126.9	123.2	128.0	126.3	124.6	128.0	131.2	134.7	138.2	140.1	142.5	140.4	
Industrial suppliers distribution:																	
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	165.8	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	r119	130	
Pneumatic products §	do	98	105	97	107	102	100	104	113	104	109	116	107	108	r108	122	
Machine tools:																	
Metal cutting type tools:																	
Orders, new (net), total	mil. $	1,544.25	1,451.45	103.70	124.45	79.55	144.80	114.95	102.10	96.35	126.10	198.15	89.10	175.25	223.95	r250.40	p191.85
Domestic	do	1,376.55	1,294.45	98.35	107.55	65.15	139.60	98.85	84.60	90.25	116.75	187.15	65.75	154.80	205.75	r217.95	p174.10
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	r70.20	r108.90	p137.85
Domestic	do	1,684.70	1,498.85	88.80	118.20	102.10	146.00	148.20	127.90	99.85	126.65	117.95	110.20	208.90	61.60	r97.00	p124.10
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	p1,020.4
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	p62.55
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	r60.30	40.90	p47.90
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	p68.95
Domestic	do	621.35	537.90	42.65	35.85	48.05	43.80	54.65	54.35	33.60	48.00	63.25	38.40	44.05	64.05	48.10	p61.80
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	p312.4

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual 1986	Annual 1987	1987 Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1988 Jan.	Feb.	Mar.
METALS AND MANUFACTURES—Continued																	
MACHINERY AND EQUIPMENT—Continued																	
Tractors used in construction, shipments, qtrly:																	
Tracklaying (ex. shovel loaders)	units	8,440	9,657		1,739			2,891			r2,706			2,321			
	mil. $	821.2	970.8		161.2			278.4			r270.2			261.0			
Wheel (contractors' off-highway)	units	5,999	5,756		1,252			1,528			r1,437			1,539			
	mil. $	421.9	433.2		87.5			111.8			r112.7			121.2			
Shovel loaders ‡	units	53,723	64,202		12,462			16,934			r16,809			17,997			
	mil. $	1,679.0	1,837.9		377.4			469.5			r473.0			518.0			
ELECTRICAL EQUIPMENT																	
Batteries (auto.-type replacement), shipments	thous	60,306	59,878	3,709	3,912	3,876	4,272	5,328	5,015	5,732	6,542	6,889	5,387	5,418	r5,524	4,194	
Radio sets, production, total market	thous	25,364	26,775	1,893	1,876	1,680	2,132	2,435	2,507	2,524	3,152	2,944	2,609	1,473	1,329	1,567	
Television sets (incl. combination models), production, total market	thous	23,351	23,497	1,721	2,194	1,552	1,776	2,094	1,484	1,836	2,373	2,217	2,199	2,232	1,544	1,810	1,909
Household major appliances (electrical), factory shipments (domestic and export) #	thous	45,072	47,838	3,477	4,053	4,139	3,947	4,747	4,012	3,934	4,207	4,047	3,676	3,626	3,557		
Air conditioners (room)	do	2,816	3,798	243	582	542	655	656	350	196	93	84	62	170	200		
Dishwashers	do	3,918	4,032	324	350	338	294	369	322	335	342	355	336	331	307		
Disposers (food waste)	do	4,269	4,438	367	364	352	347	356	343	357	409	436	325	325	361		
Microwave ovens/ranges @	do	12,444	12,610	892	838	1,071	807	1,021	913	978	1,277	1,318	1,210	1,149	957		
Ranges	do	3,318	3,346	248	279	281	256	289	286	290	289	307	285	255	235		
Refrigerators	do	6,510	6,972	461	517	531	589	821	732	700	619	552	499	470	444		
Freezers	do	1,222	1,260	82	105	97	106	136	137	138	109	87	93	86	91		
Washers	do	5,765	5,998	447	510	461	452	602	484	520	596	497	470	454	531		
Dryers (incl. gas)	do	4,245	4,637	366	390	338	323	426	363	381	450	403	391	370	413		
Vacuum cleaners (qtrly.)	do																
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	r101.0	101.1	[3]102.0	101.9	101.9
Bituminous:																	
Production †	thous. sh. tons	886,023	912,674	71,253	75,396	70,524	70,256	76,555	69,207	80,087	81,854	85,335	78,677	79,275	74,874	77,736	
Consumption, total	do	801,811		62,850	63,574	61,256	65,755	72,009	80,227	79,697	68,742						
Electric power utilities	do	684,227	717,006	53,640	54,568	51,387	56,414	63,414	70,632	69,980	59,187	57,068	55,901	62,466			
Industrial, total	do	111,151		8,688	8,634	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	170,801	168,775	156,308	152,401	158,654						
Electric power utilities	do	154,707	163,902	151,236	154,550	157,642	158,585	156,177	143,315	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	6,489	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	96.8	96.5	96.0	96.1	95.7	96.0	r96.3	95.3	[3]94.6	96.7	96.3
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			1,853			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	r56.6	54.3	[3]50.2	50.0	47.5
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		

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
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	31.8	36.2	39.8	36.9	38.5	32.1	35.4	44.7	48.9		
Jet fuel	do	477.2	492.8	40.4	41.0	39.8	39.0	39.8	41.9	42.9	39.7	43.6	40.1	43.9	47.5		
Lubricants	do	51.9	58.6	4.7	5.4	5.5	4.8	5.4	4.7	4.7	4.6	4.7	3.8	4.9	4.2		
Asphalt	do	163.6	169.6	4.8	7.7	11.6	16.6	20.0	23.1	22.0	21.2	17.5	12.3	7.1	3.8		
Liquefied petroleum gases	do	552.1	592.5	50.8	48.2	44.6	40.2	42.2	47.5	44.1	47.3	56.8	48.3	60.9	64.1		
Stocks, end of period, total	do	1,592.5	1,607.9	1,564.9	1,561.4	1,544.3	1,545.5	1,552.0	1,563.1	1,594.2	1,608.7	1,605.2	1,637.3	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 gasoline, etc	do	140.4	138.3	154.2	158.5	154.6	150.8	149.8	147.0	151.0	150.3	149.2	147.6	138.3	142.7		
Refined products	do	609.4	579.6	562.0	549.5	536.6	544.2	545.2	559.9	576.9	585.9	567.1	588.3	579.6	566.3		
Refined petroleum products:																	
Gasoline (incl. aviation):																	
Production	do	2,476.3	2,505.8	179.0	204.0	206.5	217.5	213.7	219.1	215.8	208.7	207.3	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	[2]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	.933	.913	.904
Aviation gasoline:																	
Production	mil. bbl	11.7	9.6	.7	.8	.7	.8	1.0	.9	.9	1.0	.8	.5	.7	.6		
Stocks, end of period	do	2.2	2.3	2.5	2.3	2.0	1.9	2.0	2.0	2.0	2.2	2.2	2.2	2.3	2.3		
Kerosene:																	
Production	do	32.6	28.7	2.2	1.9	1.4	1.1	1.1	1.7	2.0	2.7	3.7	3.5	3.3	3.2		
Stocks, end of period	do	8.4	8.4	7.6	6.5	6.9	6.6	6.1	6.4	7.1	8.0	8.7	9.3	8.4	7.2		
Producer Price Index (light distillate)	1982=100	53.6	54.1	49.0	48.8	50.4	51.4	53.2	55.3	57.9	58.1	60.0	60.8	59.2	[2]55.2	55.0	53.8
Distillate fuel oil:																	
Production	mil. bbl	1,021.2	996.9	72.1	73.9	76.6	79.5	80.7	83.7	84.0	82.5	86.1	91.3	100.5	93.2		
Imports	do	90.3	87.6	6.4	7.8	5.5	6.2	7.4	11.7	6.6	6.5	6.9	5.4	11.0	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	[2]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	[2]45.8	44.1	42.2
Jet fuel:																	
Production	mil. bbl	472.0	489.7	37.0	39.7	37.5	38.8	37.6	41.7	43.4	41.9	43.6	41.6	44.6	43.9		
Stocks, end of period	do	49.7	49.9	47.9	48.1	47.0	47.4	46.0	46.7	47.7	50.2	49.8	50.9	49.9	46.3		
Lubricants:																	
Production	do	58.2	61.6	4.4	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.4	5.2	4.9	5.2		
Stocks, end of period	do	14.2	13.3	13.7	13.0	12.5	12.2	11.7	11.7	11.9	12.3	12.7	13.7	13.3	14.1		
Asphalt:																	
Production	do	149.7	158.2	6.5	9.0	12.0	14.7	17.1	19.8	19.2	18.2	16.3	10.2	8.5	7.2		
Stocks, end of period	do	17.7	18.8	21.7	23.8	25.1	24.3	22.7	20.9	19.7	18.3	18.0	16.9	18.8	22.7		
Liquefied petroleum gases:																	
Production, total	do	618.5	640.8	50.0	54.8	53.4	53.8	52.2	54.8	53.4	52.2	54.0	53.0	54.5	53.4		
At gas processing plants (L.P.G.)	do	466.2	477.0	38.1	41.0	39.6	40.1	38.4	39.6	39.3	38.5	40.3	39.9	41.1	39.4		
At refineries (L.R.G.)	do	152.3	163.9	11.9	13.8	13.9	13.7	13.8	15.2	14.1	13.7	13.7	13.1	13.4	14.0		
Stocks (at plants and refineries)	do	102.7	97.2	81.6	82.2	86.4	95.3	100.7	105.5	112.2	116.2	110.9	110.9	97.2	80.7		
PULP, PAPER, AND PAPER PRODUCTS																	
PULPWOOD																	
Receipts	thous. cords (128 cu.ft.)	[1]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	[1]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	4,708	5,044	5,301	5,211	5,096	4,629		
WASTE PAPER																	
Consumption	thous. sh. tons	[1]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	[1]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	[1]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	53	61	72	67	41	
All other	do	[1]3,599	4,520	307	553	512	325	454	398	328	377	280	304	450	324	403	
Imports, all grades, total	do	[1]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	14	
All other	do	[1]4,193	4,899	379	459	366	387	379	399	366	533	375	408	412	380	415	

See footnotes at end of tables.

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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
PULP, PAPER, AND PAPER PRODUCTS—Continued																	
PAPER AND PAPER PRODUCTS																	
Paper and board:																	
Production (API):																	
Total	thous. sh. tons	[1]70,885	74,452	5,769	6,285	6,071	6,134	6,140	6,238	6,463	6,254	6,390	[r]6,135	6,342	[r]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	[r]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	[r]122.5	122.7	[2]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	[r]113.4	113.4	[2]113.6	114.0	112.5
Selected types of paper (API):																	
Groundwood paper, uncoated:																	
Orders, new	thous. sh. tons	[1]1,553	1,548	110	154	109	119	126	134	136	130	121	113	128	[r]124	124	.....
Orders, unfilled, end of period	do	131	179	108	127	116	115	124	137	148	153	150	153	179	[r]165	184	.....
Shipments	do	[1]1,540	1,491	127	138	120	121	120	132	127	126	124	112	110	[r]120	111	.....
Coated paper:																	
Orders, new	do	[1]6,334	7,107	524	527	561	630	651	623	632	570	610	563	615	[r]624	585	.....
Orders, unfilled, end of period	do	399	739	454	429	443	521	604	647	678	666	729	693	739	[r]693	695	.....
Shipments	do	6,263	6,869	529	548	548	554	569	584	597	591	603	587	592	[r]635	592	.....
Uncoated free sheet papers:																	
Orders, new	do	[1]10,485	11,195	844	900	892	902	923	945	996	946	1,029	919	979	[r]940	914	.....
Shipments	do	[1]10,681	11,234	855	939	926	912	933	945	968	949	988	927	983	[r]960	940	.....
Unbleached kraft packaging and industrial converting papers:																	
Shipments	thous. sh. tons	[1]3,303	3,075	260	274	265	233	247	244	249	258	259	243	261	262	255	.....
Tissue paper, production	do	[1]5,095	5,300	414	446	429	443	439	434	457	447	455	442	449	[r]446	437	.....
Newsprint:																	
Canada:																	
Production	thous. metric tons	9,289	9,673	765	848	808	816	806	791	826	797	827	812	783	822	815	.....
Shipments from mills	do	9,302	9,761	756	847	818	815	857	779	785	852	811	801	892	716	782	.....
Inventory, end of period	do	277	193	331	333	323	323	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	[r]1,052	[r]962	958	.....
Publishers' stocks, end of period #	thous. metric tons	849	900	879	874	869	848	885	931	905	929	897	866	900	[r]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	[r]117.1	116.6	[2]125.4	126.7	127.0
Paper products:																	
Shipping containers, corrugated and solid fiber shipments	mil. sq. ft. surf. area	283,921	297,430	[r]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	[r]101.9	[r]115.7	.....	[r]103.1	.....	.....	[r]109.8	.....	.....	[r]119.1	.....	.....	[r]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	[1]190,289	202,978	16,593	17,733	16,680	16,982	16,548	15,796	16,723	17,204	18,956	16,455	16,428	.....	.....	.....
Shipments, total	do	243,244	255,220	18,501	20,786	21,030	20,981	23,829	20,812	20,656	23,216	24,925	21,297	20,326	.....	.....	.....
Original equipment	do	61,251	60,758	5,493	6,019	5,408	5,400	5,145	3,605	4,316	4,969	5,778	4,966	4,177	.....	.....	.....
Replacement equipment	do	176,659	186,406	12,351	14,182	15,032	14,949	17,983	16,531	15,683	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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		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
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	r398.8	479.1	...
Structural tile, except facing	thous. sh. tons	108.4	[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	32.5	36.4	22.7	18.5	r18.1	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	r35.9	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	r1,457,587	...	331,669	...	...	r354,994	...	...	r392,126	...	...	r378,798	...	...	...
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	r21,588	21,624	...
Shipments, total	do	283,057	283,091	21,794	24,810	25,414	25,308	26,867	26,110	24,369	23,502	23,525	19,111	20,319	r21,875	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	7,928	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	r2,153	1,949	...
Wide-mouth containers:																	
Food and dairy products	do	62,795	62,673	5,115	5,204	5,146	5,039	5,399	5,368	5,507	5,891	5,599	4,460	4,766	5,198	5,272	...
Narrow-neck and wide-mouth containers:																	
Medicinal and toilet	do	18,843	14,167	1,470	1,465	1,343	1,258	1,038	1,220	1,060	949	1,098	916	897	r788	773	...
Chemical, household, and industrial	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	r40,948	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	do	3,359	4,110	155	163	242	336	567	264	309	317	311	654	591	342	...	...
Calcined:																	
Industrial plasters	do	259	166	11	12	14	10	40	12	11	10	14	10	9	10	...	...
Building plasters, total (incl. Keene's cement)	do	260	262	20	23	24	19	23	23	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	...	...
5/16 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	53	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	504	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cotton	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	[3]734	573	586	[3]708	540	606	[3]753	621	606	[3]610	568	590	[3]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	648	579	531	542	642	727	782	...

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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	[3]51.5	[3]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	[r]56.8	[p]56.9
Price, Strict Low Middling, Grade 41, staple 34 (1 1/16"), average 10 markets	cents per lb	[3]60.0	[3]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	
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	
Spindle hours operated, all fibers, total	bil	81.5	82.9	6.8	[4]8.6	6.6	6.5	[4]7.8	5.8	6.4	[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	[r].308	[r].318	
Consuming 100 percent cotton	do	29.2	32.3	2.5	[4]3.2	2.5	2.6	[4]3.0	2.3	2.6	[4]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	[2]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	[r]110.6	111.7	[6]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			108.4			
Noncellulosic, except textile glass:																	
Yarn and monofilaments	do	3,836.7	4,009.7		957.6			1,014.7			1,014.2			1,023.2			
Staple, incl. tow	do	3,991.8	4,306.2		1,069.6			1,108.6			1,058.6			1,069.5			
Textile glass fiber	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	[6]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	12.80	13.36				
Manufactured prods., apparel, furnishings	do	290.53		25.42	29.46	29.98	28.61	28.78	25.40	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	104.58	116.64	103.88	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	[4]14.1	11.3	11.3	[4]13.6	9.7	10.0	[4]12.4	10.7	10.3	[4]11.8	11.0	10.7	
Carpet class	do	10.0	13.1	.8	[4]1.3	1.2	1.2	[4].9	1.2	1.4	[4]1.2	1.4	1.1	[4].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		[5]310.8			[5]341.9			[5]335.6			[5]315.1			
APPAREL																	
Women's, misses', juniors' apparel cuttings: †																	
Coats	thous. units	8,959	23,982		6,738			6,638			[r]6,232			4,380			
Dresses	do	131,924	174,982		52,337			47,423			[r]40,096			35,126			
Suits (incl. pant suits, jumpsuits)	do		7,458		2,513			1,619			[r]1,445			1,881			
Skirts	do	89,769	111,162		30,221			25,397			[r]28,822			26,722			
Slacks, jeans, dungarees, and jean-cut casual slacks	do	219,716	294,791		71,100			80,088			[r]78,495			65,108			
Blouses	thous. dozen	29,575	30,595		11,117			9,864			[r]9,614			9,616			

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Units	Annual		1987											1988		
		1986	1987	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TEXTILE PRODUCTS—Continued																	
APPAREL—Continued																	
Men's apparel cuttings: †																	
Suits	thous. units	10,552			3,401			2,874			r2,925			2,967			
Coats (separate), dress and sport	do	19,794			5,549			4,154			r4,578			3,955			
Trousers, slacks, jeans, pants, etc.	do	112,612			r123,992			120,967			r125,823			109,568			
Shirts, dress and sport	thous. doz	48,028			21,618			23,861			r21,140			19,689			
Hosiery, shipments	thous. doz. pairs	313,244	308,982	24,723	28,120	27,702	25,297	24,363	27,509	24,060	25,018	28,333	26,545	22,875	24,013	25,729	
TRANSPORTATION EQUIPMENT																	
AEROSPACE VEHICLES																	
Orders, new (net), qtrly, total	mil. $	[3]110,836															
U.S. Government	do	[3]68,001															
Prime contract	do	[3]106,686															
Sales (net), receipts, or billings, quarterly, total	do	[3]105,577															
U.S. Government	do	[3]65,326															
Backlog of orders, end of period #	do	[3]148,212															
U.S. Government	do	[3]95,009															
Aircraft (complete) and parts	do	[3]62,032															
Engines (aircraft) and parts	do	[3]14,359															
Missiles, space vehicle systems, engines, propulsion units, and parts	mil. $	[3]24,320															
Other related operations (conversions, modifications), products, services	mil. $	[3]17,422															
Aircraft (complete):																	
Shipments	do	12,518.0	12,372.6	830.7	1,415.0	1,133.3	895.2	1,042.4	1,131.2	683.4	1,088.0	881.9	885.8	1,810.2	r737.4	1,234.5	
Exports, commercial	do	7,207	7,380	643	884	683	439	346	937	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	(2)
Domestic	do	6,869	6,487	634	675	601	563	595	349	355	529	610	533	458	436	503	
Retail sales, total, not seas. adj	do	11,450	10,278	781	936	938	887	943	913	968	905	802	737	843	765	888	r1,008
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	r274
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	r10.7
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	3.1	3.1	r3.0
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	r1,312	1,242
Inventory-retail sales ratio, domestics §		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 ◊, total new vehicles	do	11,140	10,122	671	829	895	830	963	899	903	955	819	718	840	774	810	
Imports, including domestically sponsored	do	3,444	3,625	214	262	286	273	334	340	339	363	318	286	318	285	281	
Trucks and buses:																	
Factory sales (from U.S. plants):																	
Total	do	3,393	3,821	314	351	335	335	334	261	305	325	364	303	294	317	344	(2)
Domestic	do	3,130	3,509	290	323	305	304	304	243	287	299	333	276	268	295	318	
Retail sales, domestics:																	
Total, not seasonally adjusted	do	[1]3,947.2	4,088.4	305.0	369.9	366.8	353.4	402.3	367.8	349.8	328.7	331.4	323.9	350.4	306.6	374.8	439.7
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	[1]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	338.3	329.1	357.1	352.2	406.9	338.7	344.7	346.3	342.6	[4]362.6	384.6	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	[4]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	[4]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	r883.7	874.4	898.4	967.3	990.4	967.9	1,024.0	[9]1,034.8	1,022.7
Seasonally adjusted	do	854.5	1,015.4	922.3	950.4	951.1	962.0	942.4	r963.6	926.1	945.1	987.4	991.8	1,015.4	1,007.0	[9]986.3	972.1
Exports (BuCensus)	do	209.06	229.27	16.08	16.91	18.62	22.43	23.96	14.68	12.95	21.20	19.19	24.14	21.16	18.65	22.57	
Imports (BuCensus), including separate chassis and bodies	thous	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 ◊, 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	r12,661	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	r8,946	9,885	
Trailer bodies (detachable), sold separately	do	417	563	26	20	52	33	41	48	56	70	54	79	45	r37	39	
Trailer chassis (detachable), sold separately	do	15,046	7,560	803	585	977	624	606	615	549	744	351	398	781	r1,711	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	[1]13,236		[8]2,687			3,198			3,848			3,552			
Equipment manufacturers	do	11,508	[1]13,236		[8]2,687			3,198			3,848			3,552			
New orders	do	12,426	[1]17,368		[8]3,860			4,780			3,951			5,077			
Equipment manufacturers	do	12,426	[1]17,368		[8]3,860			4,780			3,951			5,077			
Unfilled orders, end of period	do	2,677	6,736		[8]3,850			5,432			5,535			6,736			
Equipment manufacturers	do	2,677	6,736		[8]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	63.63	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.

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§ 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. 1988 SURVEY, has been reversed prior to these corrections. Effective Sept. 1987 SURVEY, the outlays for the Federal Deposit Insurance Corporation (FDIC) have been adjusted by $442 million for 1986 and $158 million for 1987 to reflect FDIC debentures issued in lieu of cash and not reported previously as outlays.

‡‡ Courtesy of *Metals Week*.

@@ Average effective rate

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

Page S-15

† Effective Feb. 1988 SURVEY, the money stock measures and components have been revised and are available from the Banking Section of the Division of Research and Statistics at the Federal Reserve Board, Washington, D.C. 20551.

‡ Composition of the money stock measures is as follows:

M1.—This measure is currency plus demand deposits at commercial banks and interest-earning checkable deposits at all depository institutions—namely NOW accounts, automatic transfer from savings (ATS) accounts, and credit union share draft balances—as well as a small amount of demand deposits at thrift institutions that cannot, using present data sources, be separated from interest-earning checkable deposits.

M2.—This measure adds to M1 overnight repurchase agreements (RP's) issued by commercial banks and certain overnight Eurodollars (those issued by Caribbean branches of member banks) held by U.S. nonbank residents, money market mutual fund shares, and savings and small-denomination time deposits (those issued in denominations of less than $100,000) at all depository institutions. Depository institutions are commercial banks (including U.S. agencies and branches of foreign banks, Edge Act corporations, and foreign investment companies), mutual savings banks, savings and loan associations, and credit unions.

M3.—This measure equals M2 plus large-denomination time deposits (those issued in denominations of $100,000 or more) at all depository institutions (including negotiable CD's) plus term RP's issued by commercial banks and savings and loan associations.

L.—This broad measure of liquid assets equals M3 plus other liquid assets consisting of other Eurodollar holdings of U.S. nonbank residents, bankers acceptances, commercial paper, savings bonds, and marketable liquid Treasury obligations.

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

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

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

Includes data for items not shown separately.

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

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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 commutef railroads and small transit systems. Revised data are available upon request.

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

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

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

† Before extraordinary and prior period items.

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

Page S-19

1. Reported annual total; monthly revisions are not available.
2. For month shown.
3. Less than 500 short tons.

Includes data for items not shown separately.

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

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

‡ Data for 1985-86 (and 1984, for inorganic chemical production items) have been revised and are available upon request.

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

Page S-20

1. Reported annual total; monthly or quarterly revisions are not available.
2. Data are no longer available.

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

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

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

Page S-21

1. Previous year's crop. New crop is not reported until Sept. (crop year: Sept. 1-Aug. 31).
2. Crop estimate for the year.
3. Stocks as of June 1.
4. Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).
5. Less than 50,000 bushels.
6. Stock estimates for barley and oats are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column.
7. Stocks as of Dec. 1.
8. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
9. Prices are no longer available.
10. Based on quotations for fewer than 12 months.

§ Excludes pearl barley.

Bags of 100 lbs.

@ Quarterly data represent the 3-month periods Dec.-Feb., Mar.-May, June-Aug., and Sept.-Nov. Annual data represent Dec.-Nov.

† Coverage for 21 selected States, representing approximately 85 percent of U.S. production.

Page S-22

1. Figure covers 20 selected States, representing approximately 84 percent of U.S. production.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.
3. See note "†" for this page.

§ Cases of 30 dozen.

◇ Bags of 60 kilograms.

† Effective with the release of 1st Qtr. 1988 data, the import price index for coffee has been discontinued by BLS and replaced in the SURVEY with the import price index for coffee and coffee substitutes. The weighting structure used for the import price index reflects U.S. foreign trade flows based on 1985 data. Indexes, beginning with 2nd Qtr. 1975, are available upon request.

Page S-23

1. Crop estimate for the year.
2. Reported annual total; revisions not distributed to the months.
3. Data suppressed because they did not meet publication standards of the Bureau of the Census.
4. See note "§" for p. S-6 regarding a change to a new reference base in 1988.

Totals include data for items not shown separately.

Page S-24

1. Annual data; monthly revisions not available.
2. Less than 500 tons.
3. Beginning January 1985, data have been revised because of a new estimation procedure and may not be comparable to earlier periods.
4. See notes 1 and 3 for this page.
5. See note "§" for p. S-6 regarding a change to a new reference base in 1988.

* New series from the American Metal Market. The composite scrap price represents the average of consumers' buying prices, delivered, at the following markets: Chicago, Pittsburgh, and Philadelphia. Annual and monthly composite price data are available back to January 1982.

Page S-25

1. Annual data; monthly revisions are not available.
2. For month shown.
3. Includes foreign ores.

† Beginning January 1982, data represent metallic (mostly aluminum) content. Data for 1981 and prior years represent aluminum content only.

◇ The source for these series is now the Bureau of Mines.

§ Source: *Metals Week*.

Page S-26

1. Annual data; monthly revisions are not available.
2. Less than 50 tons.
3. Beginning 1st quarter 1984, data have been revised because of a new sample and may not be comparable to earlier periods.
4. Total for 8 months; no data for March, April, September, and October.
5. Total for 10 months; no data for November and December.
6. Beginning July 1986, data are not comparable with earlier periods.
7. Total for 5 months; data for May, June, Sept., Nov., and Dec.
8. Total for 10 months; no data for Jan. and Feb.

◇ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.

@ All data (except annual production figures) reflect GSA remelted zinc and zinc purchased for direct shipment.

‡ Source for monthly data: American Bureau of Metal Statistics. Source for annual data: Bureau of Mines.

Includes data not shown separately.

§ Beginning with the Aug. 1985 SURVEY, unadjusted fluid power shipments indexes are shown. Seasonally adjusted indexes are no longer available.

† For an explanation of material handling equipment shipments and historical data, see p. S-35 of the Dec. 1985 SURVEY.

@@ Beginning Oct. 1986, the Lead price represents North American Mean.

Page S-27

1. Data are for five weeks; other months 4 weeks.
2. Beginning January 1986, data have been restated because a new methodology has been adopted.
3. See note "§" for p. S-6 regarding a change to a new reference base in 1988.

Includes data for items not shown separately.

§ Includes nonmarketable catalyst coke.

◇ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.

† Effective with the Oct. 1987 SURVEY, coal production data for 1986 have been revised. These revisions are available upon request.

@ 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."

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

Includes data for items not shown separately.

Page S-29

1. See note 1 for p. S-28.
2. See note "§" for p. S-6 regarding a change to a new reference base in 1988.

◇ Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users.

Compiled by the American Newspaper Publishers Association.

† Effective with the April 1988 SURVEY, the import price index for natural rubber has been revised. The index is now expressed on a base of 1985=100. Also new weights based on 1985 trade flows have been applied to all data from 1985 onward. Revised data are available back to 4th qtr. 1983.

Page S-30

1. Reported annual total; revisions not allocated to the months.
2. Crop for the year.
3. Data cover five weeks; other months, four weeks.
4. Total for 9 months. Effective with the release of data for Oct. 1987, data are being withheld to avoid disclosing data from individual companies.

Includes data for items not shown separately.

◇ Cumulative ginnings to the end of month indicated.

§ Bales of 480 lbs.

Page S-31

1. Less than 500 bales.
2. Annual total includes revisions not distributed to the months.
3. Average for crop year; Aug. 1-Jul. 31.
4. For five weeks; other months four weeks.
5. Estimated figure.
6. See note "§" for p. S-6 regarding a change to a new reference base in 1988.

◇ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes discounts and premiums).

Includes data not shown separately.

§ Bales of 480 lbs..

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

Page S-32

1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for Mar. 1988: *passenger cars*, 661; *trucks and buses*, 390.
3. Data are reported on an annual basis only.
4. Effective with the Feb. 1988 SURVEY, data have been revised back to 1985 and are available upon request.
5. Beginning with January 1987, data include Honda, Nissan, and Toyota passenger cars produced in U.S. plants.
6. Beginning with January 1987, data include Nissan trucks produced in U.S. plants.
7. Beginning with 1st qtr. 1987, jeans, jean-cut casual and dungarees are included with trousers.
8. Effective with 1987, frequency of reporting has been changed from a monthly to a quarterly basis.
9. See note "†" for this page.

Total includes backlog for nonrelated products and services and basic research.

§ Domestics comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all other cars.

◇ Courtesy of R.L. Polk & Co.; republication prohibited. Because data for some states are not available, month-to-month comparisons are not strictly valid.

‡ Excludes railroad-owned private refrigerator cars and private line cars.

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

† Effective with the Mar. 1988 SURVEY, retail inventories for trucks and buses have been restated to exclude captive imports (vehicles manufactured overseas by U.S. affiliates). These data are available back through 1966.

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1988 RELEASE DATES FOR BEA ESTIMATES

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

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Subject	Release Date*
State Personal Income, 1st quarter 1988	July 20
Gross National Product, 2d quarter 1988 (preliminary)	July 27
Personal Income and Outlays, June 1988	July 28
Composite Indexes of Leading, Coincident, and Lagging Indicators, June 1988.	Aug. 2
State Per Capita Personal Income, 1987 (revised)	Aug. 18
Merchandise Trade (balance of payments basis), 2d quarter 1988.	Aug. 24
Gross National Product, 2d quarter 1988 (1st revision)	Aug. 25
Corporate Profits, 2d quarter 1988 (preliminary)	Aug. 25
Personal Income and Outlays, July 1988	Aug. 26
Composite Indexes of Leading, Coincident, and Lagging Indicators, July 1988.	Aug. 30
Plant and Equipment Expenditures, 2d quarter 1988 and Revised Plans for 1988.	Sept. 8
Summary of International Transactions, 2d quarter 1988	Sept. 13
Gross National Product, 2d quarter 1988 (2d revision)	Sept. 20
Corporate Profits, 2d quarter 1988 (revised)	Sept. 20
Personal Income and Outlays, August 1988	Sept. 21
Composite Indexes of Leading, Coincident, and Lagging Indicators, August 1988.	Sept. 30
State Personal Income, 2d quarter 1988	Oct. 18
Gross National Product, 3d quarter 1988 (preliminary)	Oct. 26
Personal Income and Outlays, September 1988	Oct. 27
Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1988.	Nov. 1
Merchandise Trade (balance of payments basis), 3d quarter 1988.	Nov. 28
Gross National Product, 3d quarter 1988 (1st revision)	Nov. 29
Corporate Profits, 3d quarter 1988 (preliminary)	Nov. 29
Personal Income and Outlays, October 1988	Nov. 30
Composite Indexes of Leading, Coincident, and Lagging Indicators, October 1988.	Dec. 1
Summary of International Transactions, 3d quarter 1988	Dec. 13
Gross National Product, 3d quarter 1988 (2d revision)	Dec. 20
Corporate Profits, 3d quarter 1988 (revised)	Dec. 20
Personal Income and Outlays, November 1988	Dec. 21
Plant and Equipment Expenditures, 3d quarter 1988, Revised Plans for 1988, and Plans for 198 .	Dec. 21 †
Composite Indexes of Leading, Coincident, and Lagging Indicators, November 1988.	Dec. 30

† 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.**