

APRIL 1989 / VOLUME 69 NUMBER

4

SURVEY OF CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE / BUREAU OF ECONOMIC ANALYSIS



SURVEY OF CURRENT BUSINESS



U.S. Department of Commerce

Robert A. Mosbacher / *Secretary*

Bureau of Economic Analysis

Allan H. Young / *Director*
Carol S. Carson / *Deputy Director*

Editor-in-Chief: Carol S. Carson
Managing Editor: Leland L. Scott

Staff Contributors to This Issue: Robert L. Brown, Rudolph E. DePass, Douglas R. Fox, Howard L. Friedenberg, Daniel H. Garnick, Linnea Hazen, Daniel J. Larkins, Larry R. Moran, Ralph W. Morris, National Income and Wealth Division, Thae S. Park, Jané S. Reeb, Regional Economic Measurement Division, Charles S. Robinson, James P. Stehle, Isabelle B. Whiston, Allan H. Young.

SURVEY OF CURRENT BUSINESS. Published monthly by the Bureau of Economic Analysis of the U.S. Department of Commerce. Editorial correspondence should be addressed to the Editor-in-Chief, SURVEY OF CURRENT BUSINESS, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Annual subscription: *Second-class mail*—\$18.00 domestic, \$22.50 foreign; *first-class mail*—\$46.00. Single copy—\$6.50 domestic, \$8.13 foreign.

Mail subscription orders and address changes to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Make checks payable to the Superintendent of Documents.

Second-class postage paid at Washington, DC and at additional mailing offices; (USPS 337-790).

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

- 1 **Business Situation**
 - 2 Components of Real GNP
 - 5 Prices
 - 6 Personal Income
 - 7 Corporate Profits
- 10 **National Income and Product Accounts Tables**
 - 10 Selected NIPA Tables
 - 24 Reconciliation and Other Special Tables
- 26 **Composite Indexes of Leading, Coincident, and Lagging Indicators**
- 27 **Alternative Measures of Real GNP**
- 35 **Regional Perspectives**
 - 35 Per Capita Personal Income: Continued Widening of Regional Differences in 1988
- 37 **Growth in Metropolitan and Nonmetropolitan Areas: An Update**
- 39 **County and Metropolitan Area Personal Income, 1985-87**
- 63 **State Personal Income, Summary Estimates for Fourth Quarter and Year 1988**

Blue pages: Current Business Statistics

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

Inside back cover: BEA Information

NOTE.—This issue of the SURVEY went to the printer on May 9, 1989. 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. 28).

the BUSINESS SITUATION

U.S. economic activity picked up in the first quarter of 1989; the pickup was attributable to the return of farm output to a level not affected by the 1988 drought. Inflation also picked up somewhat in the first quarter (chart 1).

- Real GNP, a measure of U.S. production, increased at an annual rate of 5½ percent, following an increase of 2½ percent in the fourth quarter.
- Real gross domestic purchases, a measure of U.S. demand, increased at an annual rate of 4½ percent, following a 3½-percent increase.
- The GNP price index increased at an annual rate of 5 percent, following a 4-percent increase; the price index for gross domestic purchases increased at an annual rate of 5½ percent, following a 4½-percent increase.¹

1. The regularly featured estimates of real GNP and GNP prices are based on 1982 weights. An alternative measure of price change that uses more current weights—the chain price index—is published in table

Impact of the drought on real GNP.— In the last three quarters of 1988, the level of real GNP was reduced by a severe drought that substantially lowered farm—predominately crop—output. The drought losses (in 1982 dollars) reduced real farm output by \$9 billion in the second quarter, an additional \$5 billion in the third, and an additional \$10½ billion in the fourth (table 1).² Thus, the cumulative losses

8.1 of the "Selected NIPA Tables." The GNP chain price index increased at about the same rate as the GNP fixed-weighted index in the last two quarters—5 percent in the first quarter and 4 percent in the fourth. The chain price index can be used to calculate an alternative measure of real GNP growth based on more current weights; this measure increased at annual rates of 4½ percent in the first quarter and 3½ percent in the fourth. (This measure and others are discussed in "Alternative Measures of Real GNP" in this issue of the SURVEY OF CURRENT BUSINESS. Beginning in May, this measure and one based on 1987 price weights will be shown each quarter, at the time of the preliminary GNP estimate, in a special table in the SURVEY.)

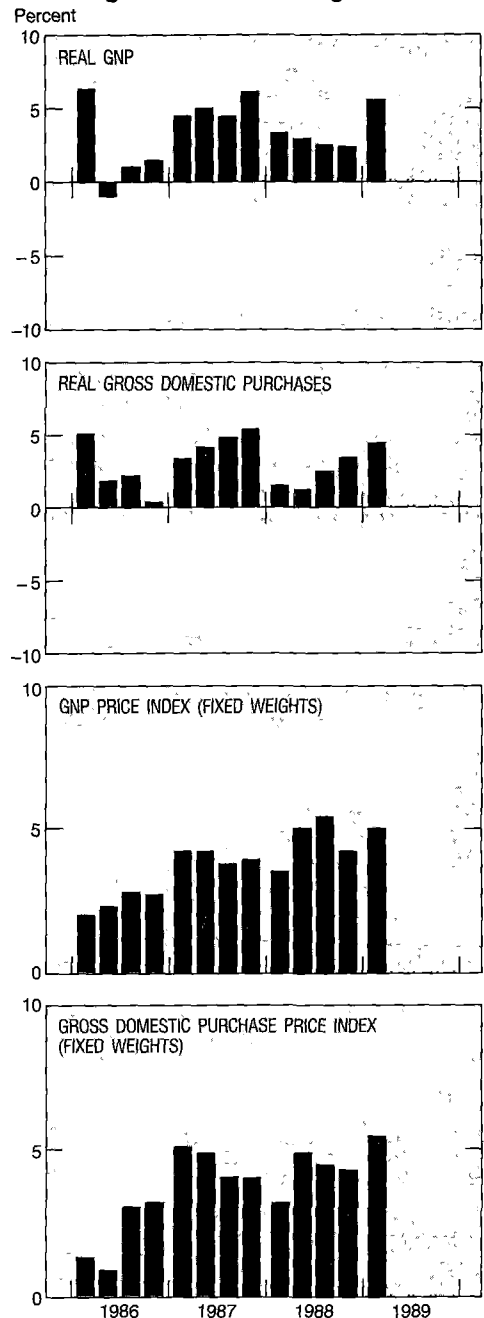
2. See the August 1988 "Business Situation" for a description of the procedures used by BEA to estimate the losses in crop and livestock output due to the drought and to allocate them on a quarterly basis. (BEA has not attempted to make estimates of the impact of the drought on farm inventories, farm income, and nonfarm national income and product accounts components.)

Looking Ahead...

- **Computers.** An article reviewing the concepts and statistical procedures used by BEA in measuring the output of computers will appear in an upcoming issue of the SURVEY.
- **U.S. Business Enterprises Acquired or Established by Foreign Direct Investors in 1988.** Data on the cost to foreign direct investors of the ownership interests acquired or established in U.S. business enterprises in 1988, 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 1985–87 will be presented in the June issue of the 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 1989. The revisions cover 1985–88. The same issue will present preliminary estimates for yearend 1988 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 1986.

CHART 1

Selected Measures: Change From Preceding Quarter



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

lowered the fourth-quarter level of real farm output—and real GNP—by \$25 billion. Consequently, the return of farm output to a level not affected by the drought raised real GNP by \$25 billion in the first quarter of 1989. (This estimate assumes that the drought did not continue into 1989; if later information indicates otherwise, BEA will make an estimate of its impact in 1989.)

Over the period affected by the drought, the increase in real GNP subsides from 3½ percent in the first quarter of 1988 to 3 percent in the second quarter and to 2½ percent in the third and fourth quarters; the increase then jumps to 5½ percent in the first quarter of 1989. The impact of the drought lowers the increase in real GNP by 0.9 percentage point in the second quarter, by 0.5 percentage point in the third, and by 1.1 percentage points in the fourth; it then raises the increase in real GNP by 2.5 percentage points in the first quarter. If this impact is excluded, a different pattern of economic activity emerges: Real GNP would increase 3 to 4 percent in each of the past five quarters.

Motor vehicles.—Real motor vehicle output declined \$4½ billion in the first quarter, following a \$5 billion increase in the fourth. Both auto and truck output contributed to the first-quarter decline; the fourth-quarter increase was entirely accounted for by truck output.

In units, domestic car production declined 0.8 million to 7.0 million (seasonally adjusted annual rate) in the first quarter, following a 0.6-million increase in the fourth. Manufacturers reduced production in the first quarter in an attempt to cut inventories, which had swelled to the highest level in a year. Sales of domestic cars declined to 6.9 million units in the first quarter from 7.5 million in the fourth. Because production again exceeded sales in the first quarter, inventories edged up further to 1.69 million. The inventory-sales ratio rose to 2.9—well above the ratio considered desirable by the industry—from 2.6 in the fourth quarter.

Sales of imported cars declined to 2.8 million units—the lowest level since the second quarter of 1985—from 3.0 million in the fourth quarter. At the

end of the first quarter, inventories of imported cars were at a record high.

Domestic truck production declined in the first quarter after a sharp increase in the fourth; however, production remained higher than sales, so inventories continued to build. Sales of new trucks declined again in the first quarter, as sales of both domestic and imported trucks edged down. At 4.9 million units, truck sales were the lowest since the fourth quarter of 1987.

Components of Real GNP

Even aside from the impact of the drought, which led to a sharp upswing in farm inventory investment, changes in the major components of real GNP in the first quarter differed considerably from those in the fourth. On the upside, nonresidential fixed investment, nonfarm inventory investment, and net exports all increased after decreasing in the fourth quarter. On the downside, personal consumption expenditures and government purchases increased much less than in the fourth quarter, and residential investment decreased after an increase.

Personal consumption expenditures

Real personal consumption expenditures (PCE) increased 1½ percent in the first quarter, following a 3½-percent increase in the fourth (table 2). The first-quarter increase was the smallest since the fourth quarter of 1987, when PCE declined. The deceleration, which occurred despite continued strong growth in disposable personal income and continued high consumer confidence (as measured by the Index of Consumer Sentiment prepared by the University of Michigan's SURVEY Research Center), was in durable goods and in services. Nondurable goods increased somewhat more in the first quarter than in the fourth.

Expenditures for durable goods declined 3 percent after increasing 6 percent in the fourth quarter. The decline was accounted for by motor vehicles and parts and by "other" durables. New car purchases, after changing little in the last three quarters of 1988, fell in the first quarter; used car purchases and new truck purchases also declined after changing little in the fourth quarter. "Other" durables—which includes wheel goods, durable toys, sporting goods, recreational boats, jewelry, and watches—

Table 1.—Recent Patterns in Real GNP

[Seasonally adjusted at annual rates]

| | Billions of 1982 dollars | | | | | | | | | | Percent change from preceding quarter | | | |
|--|--------------------------|---------|---------|---------|-------------------------------|-------|------|-------|------|-------|---------------------------------------|-------|------|--|
| | Level | | | | Change from preceding quarter | | | | 1988 | | 1989 | | | |
| | 1988 | | | | 1989 | | | | | | | | | |
| | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | |
| GNP..... | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 | 29.1 | 24.2 | 24.0 | 54.8 | 3.0 | 2.5 | 2.4 | 5.5 | |
| Farm output ¹ | 163.2 | 150.9 | 145.4 | 134.8 | 160.1 | -12.3 | -5.5 | -10.6 | 25.3 | -26.9 | -13.8 | -26.1 | 99.0 | |
| Impact of the drought..... | 0 | -9.2 | -14.3 | -25.0 | 0 | -9.2 | -5.1 | -10.7 | 25.0 | | | | | |
| Motor vehicle output..... | 151.8 | 166.7 | 165.6 | 170.5 | 166.1 | 14.9 | -1.1 | 4.9 | -4.4 | 45.4 | -2.6 | 12.4 | -9.9 | |
| Addendum: | | | | | | | | | | | | | | |
| GNP excluding impact of the drought..... | 3,956.1 | 3,994.4 | 4,023.7 | 4,058.4 | 4,088.2 | 38.3 | 29.3 | 34.7 | 29.8 | 3.9 | 3.0 | 3.5 | 3.0 | |

1. Farm output is the national income and product accounts (NIPA) measure of gross output of the farm sector—that is, output before the deduction of consumption of materials and services purchased from other industries. Subtraction of these purchases yields gross farm product (or value added), the contribution of the farm sector to GNP. Gross farm product (1982 dollars) is found in table 1.8 of the "Selected NIPA Tables."

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 advance GNP estimates for the first quarter are based on the following major source data: For *personal consumption expenditures* (PCE), sales of retail stores 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 for January and February; 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 through March, 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, and the unit-value index for petroleum imports for January and February. Some of the source data are subject to revision.

declined in the first quarter after increasing in the fourth.

Expenditures for services increased 2½ percent after increasing 4 percent in the fourth quarter; the first-quarter increase was the smallest since the fourth quarter of 1987. The slowdown was largely accounted for by energy services (reflecting reduced expenditures for electricity and natural gas due to unusually mild weather) and transportation services (mainly air transportation), both of which declined after increasing in the fourth quarter.

Expenditures for nondurable goods increased 2 percent after increasing 1½ percent in the fourth quarter. The first-quarter increase was accounted for by food and "other" nondurables. In contrast, energy declined, partly reflecting reduced expenditures for fuel oil and coal due to the mild weather.

Nonresidential fixed investment

Real nonresidential fixed investment increased 9½ percent in the first quarter, following a 3-percent decline in the fourth (table 3). Structures and producers' durable equipment (PDE) both contributed to the upswing. Structures increased 8 percent after declining 1 percent; the increase was concentrated in the commercial component of nonresidential buildings, which rebounded after a decline. PDE increased 10 percent after declining 3½ percent; all four of the major categories shown in table 3 contributed to the upswing.³

Factors that are typically considered in analyses of investment present a mixed picture. Capacity utilization in manufacturing, which had been increasing steadily, showed signs of weakening in the first quarter. Newly approved capital appropriations (for 1,000 manufacturing corporations) increased sharply in the fourth quarter, but interest rates also increased. Vacancy rates for office buildings drifted down last year, but new construc-

tion contracts for commercial properties also declined (no doubt reflecting the fact that although vacancy rates are falling, they still remain high). New orders for nondefense capital goods have been erratic since early 1988.

Residential investment

Real residential investment declined 3½ percent in the first quarter, following an 11-percent increase in the fourth. Single-family construction and the "other" component of residential investment (which includes additions and alterations, major replacements, mobile home sales, and brokers' commissions on house sales) both contributed to the turnaround. Multi-

family construction increased after a decline.

In the first quarter, the downswing in single-family construction mirrored movements in the number of single-family starts. Starts declined 62,000 (or 20 percent) to 1,076,000 (seasonally adjusted annual rates) in the first quarter, following a 77,000 increase in the fourth (chart 2). Starts were high in January, reflecting the unusually mild weather, but they declined in February and March.

The upswing in multifamily construction, which took place in conjunction with a declining vacancy rate for apartments, raises the possibility that the protracted downtrend in multifamily construction may be ending. The downtrend, which had reflected over-

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 | | | | 1988 | | | 1989 | |
| | | 1989:1 | 1988 | | | I | II | III | IV | I |
| | | | II | III | IV | | | | | |
| Personal consumption expenditures..... | 2,634.8 | 19.2 | 24.8 | 22.4 | 8.6 | 3.0 | 3.9 | 3.5 | 1.3 | |
| Durables..... | 413.1 | 9.5 | -2 | 6.1 | -3.4 | 9.8 | -2 | 6.1 | -3.2 | |
| Motor vehicles and parts..... | 173.5 | 5.5 | -3 | 9 | -6.1 | 13.3 | -7 | 2.0 | -12.9 | |
| Furniture and household equipment..... | 168.9 | 4.5 | -8 | 2.0 | 5.9 | 11.9 | -2.0 | 5.1 | 15.3 | |
| Other durables..... | 70.7 | -5 | .9 | 3.2 | -3.2 | -2.8 | 5.3 | 19.4 | -16.2 | |
| Nondurables..... | 911.8 | .9 | 10.9 | 2.9 | 4.4 | 4 | 5.0 | 1.3 | 2.0 | |
| Food..... | 460.4 | 1.8 | .6 | 1.0 | 5.6 | 1.6 | .5 | .9 | 5.0 | |
| Clothing and shoes..... | 163.9 | -3.3 | 7.9 | -1 | -2 | -8.0 | 21.8 | -2 | -5 | |
| Energy ¹ | 120.0 | .9 | .3 | 2.0 | -3.9 | 3.0 | 1.0 | 6.7 | -12.0 | |
| Other nondurables..... | 167.5 | 1.4 | 2.2 | 0 | 2.9 | 3.5 | 5.5 | 0 | 7.2 | |
| Services..... | 1,309.9 | 8.9 | 14.1 | 13.3 | 7.7 | 2.8 | 4.5 | 4.2 | 2.4 | |
| Housing..... | 370.6 | 2.0 | 2.1 | 1.3 | 1.6 | 2.2 | 2.3 | 1.4 | 1.7 | |
| Household operation..... | 163.6 | .7 | 4.8 | .5 | -2.8 | 1.8 | 12.5 | 1.2 | -6.6 | |
| Energy ² | 80.8 | 1 | 3.2 | .4 | -3.4 | .5 | 16.9 | 1.9 | -15.2 | |
| Other..... | 82.7 | .4 | 1.7 | .1 | .5 | 2.0 | 8.7 | .5 | 2.5 | |
| Transportation..... | 95.9 | 1.2 | 1.3 | 1.8 | -1 | 5.3 | 5.7 | 7.9 | -4 | |
| Medical Care..... | 292.9 | 2.6 | 3.9 | 4.8 | 4.7 | 3.8 | 5.7 | 6.9 | 6.7 | |
| Other services..... | 387.0 | 2.6 | 1.9 | 4.9 | 4.4 | 2.8 | 2.0 | 5.3 | 4.7 | |

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." Dollars levels are found in table 2.3.

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 | | | | 1988 | | | 1989 | |
| | | 1989:1 | 1988 | | | I | II | III | IV | I |
| | | | II | III | IV | | | | | |
| Gross private domestic fixed investment..... | 697.6 | 16.8 | 6.9 | 1.4 | 9.6 | 10.5 | 4.1 | 0.8 | 5.7 | |
| Nonresidential..... | 502.8 | 16.8 | 4.8 | -3.6 | 11.4 | 15.0 | 4.0 | -2.9 | 9.6 | |
| Structures..... | 127.9 | 1.0 | 8 | -3 | 2.4 | 3.3 | 2.6 | -1.0 | 7.9 | |
| Nonresidential buildings, excluding farms..... | 78.4 | 1.9 | -2.3 | .1 | 2.6 | 10.4 | -11.3 | .5 | 14.4 | |
| Public utilities..... | 28.3 | .8 | 2.7 | .1 | .1 | 13.7 | 49.8 | 1.4 | 1.4 | |
| Mining exploration, shafts, and wells..... | 18.1 | -1.1 | .3 | -9 | 0 | -20.4 | 6.6 | -17.6 | 0 | |
| Other..... | 3.0 | -5 | .1 | .4 | -4 | -47.1 | 14.5 | 6.5 | -39.3 | |
| Producers' durable equipment..... | 374.9 | 15.7 | 4.1 | -3.3 | 9.0 | 19.2 | 4.6 | -3.5 | 10.2 | |
| Information processing and related equipment..... | 165.3 | 9.1 | 2.4 | -5.0 | 2.9 | 25.5 | 5.9 | -11.4 | 7.3 | |
| Industrial equipment..... | 78.3 | 2.8 | 1.9 | 3.1 | 5.3 | 18.3 | 11.7 | 19.0 | 32.4 | |
| Transportation and related equipment..... | 64.9 | 3.4 | -3 | -2.3 | -8 | 22.7 | -1.7 | -12.9 | -4.8 | |
| Other..... | 66.4 | .4 | .1 | .8 | 1.6 | 2.5 | -6 | 5.8 | 10.2 | |
| Residential..... | 194.8 | 1 | 2.0 | 5.0 | -1.8 | .2 | 4.3 | 10.9 | -3.6 | |
| Single-family structures..... | 98.5 | .1 | -8 | 3.4 | -4 | 4 | -3.3 | 15.0 | -1.6 | |
| Multifamily structures..... | 18.2 | -1.0 | .3 | -2 | .9 | -20.2 | 7.2 | -4.5 | 22.5 | |
| Other..... | 78.2 | .9 | 2.5 | 1.8 | -2.2 | 4.9 | 13.8 | 9.5 | -10.5 | |

NOTE.—Percent changes in major aggregates are found in Table 8.1 of the "Selected NIPA tables." Dollar levels are found in table 5.13.

3. In estimating PDE for the first quarter, BEA temporarily reverted to a version of the commodity flow procedure, used prior to the July 1987 revision, that does not involve separation of imports into complete equipment and components. BEA expects to be able to resume use of the more detailed procedure, using import data reported under the new Harmonized System, for the final estimate of first-quarter PDE in June. (The Harmonized System for reporting exports and imports, which went into effect earlier this year, was explained in the technical notes in "U.S. International Transactions, First Quarter 1988" in the June 1988 Survey.) The use of the less detailed procedure will not distort the PDE estimate unless there were large shifts in the mix of imports, and there is no reason to suspect that such shifts occurred.

building and the curtailment of tax incentives, took multifamily construction from a peak of \$30½ billion in the second quarter of 1986 to \$17 billion in the second quarter of 1988, a decline of 43 percent.

The downswing in the "other" component was mostly attributable to a decline in brokers' commissions on house sales. Sales of new and existing residences declined 399,000 in the first quarter, partly reflecting higher home prices and higher mortgage interest rates (chart 3).

Inventory investment

Real inventory investment—that is, the change in business inventories—increased \$24½ billion in the first quarter, as inventory accumulation jumped to \$54 billion from \$29 billion in the fourth quarter (table 4). In contrast, inventory investment had decreased \$10½ billion in the fourth quarter. The upswing in inventory investment was largely traceable to farm inventories.

Farm inventories increased \$12½ billion in the first quarter, following decreases of \$8½ billion in the fourth quarter and \$1 billion in the third. The pattern largely reflected BEA's allocation of the impact of the drought. Despite sharp drops in farm—predominately crop—output, a relatively steady pace of market sales was maintained, as crops were withdrawn from inventories held by the Commodity Credit Corporation (CCC), and, in the fourth quarter, from farmers' own inventories. In the first quarter, the return of farm output to a level not affected by the drought led to the substantial accumulation in farm inventories.

Nonfarm inventories increased \$41 billion in the first quarter, roughly in line with increases in the two preceding quarters. Accumulations in manufacturing inventories slowed in the first quarter. The slowdown was traceable to a larger decumulation in inventories of nondurable goods; inventories of durable goods—particularly machinery and transportation equipment—continued to accumulate steadily. Wholesale trade inventories accumulated more strongly than in the fourth quarter; the step-up was mainly in inventories of merchant wholesalers of durable goods. Retail trade inventories again accumulated substantially, as auto dealers' inventories continued to build.

Reflecting the pickup in inventory investment and a slight slowdown in final sales, the constant-dollar ratio of total inventories to total final sales edged up to 3.22 in the first quarter from 3.21 in the fourth. At 3.22, the ratio is at the high end of the 3.12-to-3.22 range of the past 3½ years.

Table 4.—Change in Real Business Inventories

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

| | Level | | | | | Change from preceding quarter | | | |
|-------------------------------------|-------|------|------|------|------|-------------------------------|------|-------|------|
| | 1988 | | | | 1989 | 1988 | | | 1989 |
| | I | II | III | IV | I | II | III | IV | I |
| Change in business inventories..... | 66.0 | 35.3 | 39.5 | 29.1 | 53.8 | -30.7 | 4.2 | -10.4 | 24.7 |
| Farm..... | 14.1 | 5.3 | -8 | -8.5 | 12.6 | -8.8 | -6.1 | -7.7 | 21.1 |
| Nonfarm..... | 51.9 | 30.1 | 40.4 | 37.6 | 41.1 | -21.8 | 10.3 | -2.8 | 3.5 |
| Manufacturing..... | 15.8 | 5.8 | 5.7 | 11.2 | 6.2 | -10.0 | -1 | 5.5 | -5.0 |
| Wholesale trade..... | 24.9 | -1.2 | 11.2 | 3.2 | 7.4 | -26.1 | 12.4 | -8.0 | 4.2 |
| Retail trade..... | 1.5 | 13.7 | 11.7 | 12.9 | 16.7 | 12.2 | -2.0 | 1.2 | 3.8 |
| Auto dealers..... | -10.1 | 11.0 | 8.7 | 7.5 | 11.5 | 21.1 | -2.3 | -1.2 | 4.0 |
| Other retail trade..... | 11.6 | 2.7 | 3.0 | 5.4 | 5.2 | -8.9 | .3 | 2.4 | -2 |
| Other..... | 9.7 | 11.8 | 11.8 | 10.3 | 10.9 | 2.1 | 0 | -1.5 | .6 |
| Addendum: | | | | | | | | | |
| Nonfarm less auto dealers..... | 62.0 | 19.1 | 31.7 | 30.2 | 29.6 | -42.9 | 12.6 | -1.5 | -6 |

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

Table 5.—Real Net Exports of Goods and Services

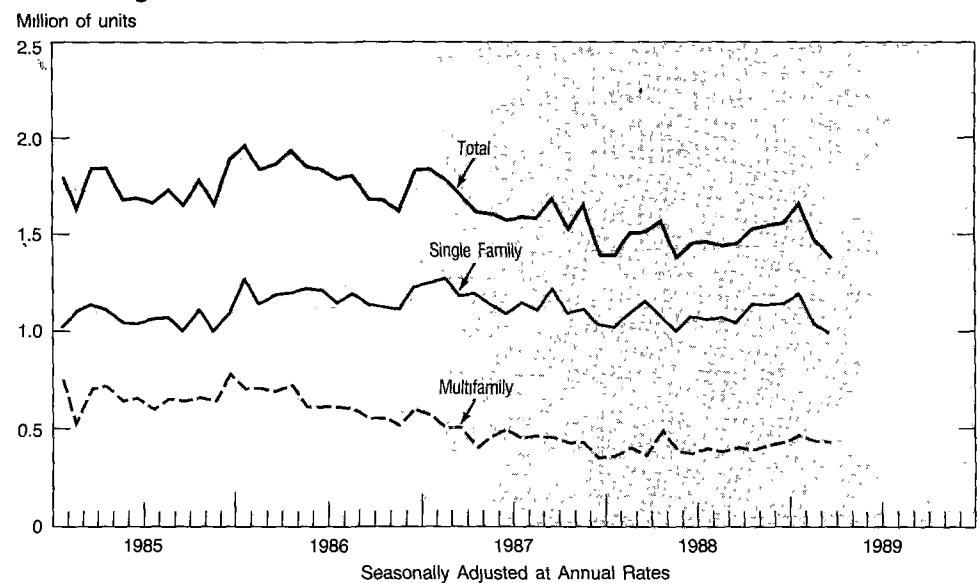
[Seasonally adjusted at annual rates]

| | Billions of 1982 dollars | | | | | Percent change from preceding quarter | | | |
|--|--------------------------|-------------------------------|------|-------|------|---------------------------------------|-------|-------|-------|
| | Level | Change from preceding quarter | | | | 1988 | | | 1989 |
| | | 1989:I | II | III | IV | I | II | III | IV | I |
| Net exports of goods and services..... | -95.6 | 16.4 | -1.3 | -11.5 | 9.8 | | | | |
| Exports..... | 535.4 | 10.7 | 17.1 | 8.1 | 13.3 | 9.1 | 14.5 | 6.5 | 10.6 |
| Merchandise..... | 359.7 | 10.1 | 6.8 | 6.0 | 7.8 | 12.9 | 8.3 | 7.1 | 9.2 |
| Agriculture..... | 38.4 | .5 | -1.9 | -2.3 | 2.8 | 5.2 | -17.8 | -22.2 | 35.4 |
| Nonagriculture..... | 321.3 | 9.6 | 8.7 | 8.3 | 5.0 | 13.9 | 12.1 | 11.2 | 6.5 |
| Services..... | 175.7 | .7 | 10.3 | 2.1 | 5.5 | 1.8 | 28.8 | 5.1 | 13.6 |
| Imports..... | 631.0 | -5.6 | 18.4 | 19.5 | 3.6 | -3.7 | 13.1 | 13.5 | 2.3 |
| Merchandise..... | 483.1 | -4.0 | 11.8 | 15.1 | -2.9 | -3.4 | 10.7 | 13.5 | -2.4 |
| Petroleum..... | 86.3 | 3.2 | 1.7 | 3.6 | -4.4 | 16.5 | 8.2 | 17.6 | -18.0 |
| Nonpetroleum..... | 396.8 | -7.2 | 10.1 | 11.6 | 1.4 | -7.3 | 11.3 | 12.6 | 1.4 |
| Services..... | 147.9 | -1.6 | 6.6 | 4.4 | 6.5 | -4.8 | 21.8 | 13.5 | 19.7 |

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in table 4.2 (for major aggregates) and table 4.4 (for end-use category detail).

CHART 2

Housing Starts



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

RA-2

Net exports

Real net exports increased \$10 billion in the first quarter, following a decline of \$11½ billion in the fourth (table 5). The upswing largely reflected changes in net exports of merchandise; net exports of services, which declined less than in the fourth quarter, also contributed.

Merchandise exports increased \$8 billion (or 9 percent) after increasing \$6 billion (or 7 percent) in the fourth quarter. Agricultural exports, which swung to a \$3 billion increase from a \$2½ billion decline, more than accounted for the step-up. Nonagricultural exports slowed to an increase of \$5 billion from an increase of \$8½ billion. The slowdown was evident in all end-use categories except consumer goods and industrial supplies and materials.

Merchandise imports declined \$3 billion (or 2½ percent) after increasing \$15 billion (or 13½ percent) in the fourth quarter. Petroleum imports, which dropped \$4½ billion after rising \$3½ billion, accounted for almost one-half of the downswing. Nonpetroleum imports slowed sharply to an increase of \$1½ billion from an increase of \$11½ billion. The slowdown was accounted for by autos and consumer goods, both of which declined after strong increases in the fourth quarter.

Exports of services increased \$5½ billion after an increase of \$2 billion; the step-up largely reflected an upswing in services other than investment income. Imports of services increased \$6½ billion after an increase of \$4½ billion; investment income more than accounted for the step-up.

Government purchases

Real government purchases increased \$2 billion (or 1 percent) in the first quarter, following an increase of \$22 billion (or 12 percent) in the fourth (table 6). The slowdown largely reflected a sharp downswing in Federal defense purchases; Federal non-defense purchases and State and local purchases, both of which were up less than in the fourth quarter, also contributed.

Federal defense purchases decreased \$6½ billion, following a \$6 billion increase in the fourth quarter. The decrease, which was in military hardware and in services other than employee compensation, resumed a downturn that began in late 1987.

Federal nondefense purchases increased \$4½ billion, about one-half as much as in the fourth quarter; the slowdown was largely traceable to net changes in CCC inventories. Although CCC inventories have decumulated for five consecutive quarters, fluctuations in the rate of decumulation have had considerable impact on the quarterly pattern of changes in Federal nondefense purchases. The inventory decumulations in the fourth and first quarters mainly reflected net withdrawals of crops under the CCC commodity loan program. Federal nondefense purchases excluding CCC inventory transactions increased \$1 billion in the first quarter, following a \$2 billion increase in the fourth.

State and local government purchases increased \$4½ billion in the first quarter, after a \$6½ billion increase in the fourth. The slowdown was traceable to structures, particularly highways.

Table 6.—Real Government Purchases of Goods and Services

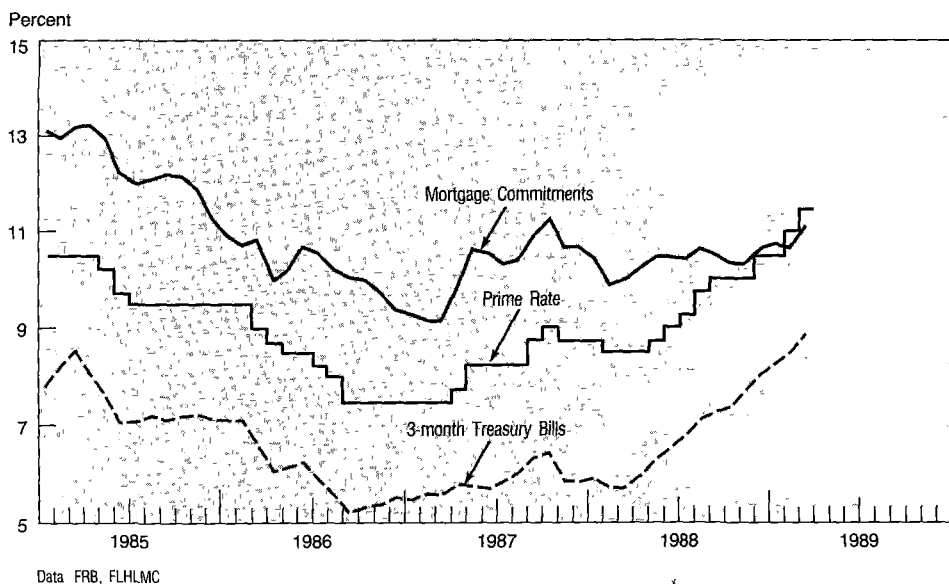
[Seasonally adjusted at annual rates]

| | Billions of 1982 dollars | | | | | Percent change from preceding quarter | | | | |
|--|--------------------------|-------------------------------|-------|------|------|---------------------------------------|-------|------|------|--------|
| | Level | Change from preceding quarter | | | | 1988 | | | | |
| | | 1989.I | 1988 | | | 1989.I | 1988 | | | 1989.I |
| | | | II | III | IV | | II | III | IV | |
| Government purchases of goods and services..... | 797.7 | 7.4 | -10.3 | 22.0 | 2.2 | 3.9 | -5.2 | 11.9 | 1.1 | |
| Federal..... | 333.2 | 3.8 | -11.5 | 15.4 | -2.3 | 4.7 | -13.2 | 20.7 | -2.7 | |
| National defense..... | 255.9 | -1.0 | -7.2 | 6.1 | -6.6 | -1.5 | -10.5 | 9.9 | -9.7 | |
| Nondefense..... | 77.3 | 4.7 | -4.2 | 9.2 | 4.4 | 33.2 | -22.5 | 71.5 | 26.4 | |
| Commodity Credit Corporation inventory change..... | -5.9 | 2.5 | .3 | 7.1 | 3.5 | | | | | |
| Other..... | 83.2 | 2.2 | -4.5 | 2.1 | .9 | 11.1 | -19.6 | 10.9 | 4.4 | |
| State and local..... | 464.5 | 3.5 | 1.2 | 6.6 | 4.5 | 3.2 | 1.1 | 6.0 | 4.0 | |
| Structures..... | 58.1 | .3 | -2.1 | 3.3 | 1.2 | 2.2 | -14.2 | 27.0 | 8.7 | |
| Other..... | 406.4 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.3 | 3.3 | |

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.

CHART 3

Selected Interest Rates



Data FRB, FLHLMC

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

89 43

Prices

GNP prices and gross domestic purchases prices both picked up in the first quarter: GNP prices were up 5 percent after a 4-percent increase, and gross domestic purchases prices were up 5½ percent after a 4½-percent increase (table 7). The first-quarter increases in each of these price measures were boosted 0.4 percentage point by the combined effect of a 4.1-percent pay raise for Federal civilian and military personnel and of an increase 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 increased somewhat more than in the fourth quarter, and prices of imports increased considerably more. The upsurge in import prices was more than accounted for by petroleum prices, which jumped 117½ percent after five consecutive quarters of decline. Prices of other merchandise imports were up less than in the fourth quarter, primarily reflecting prices of autos and of capital goods (except autos).

PCE prices were up 5 percent for the third consecutive quarter. Food prices increased 5 percent in the first quarter, somewhat more than in the fourth; the acceleration was largely accounted for by meat and egg prices. Energy prices increased 3 percent after decreasing in the fourth quarter. The turnaround was in prices of gasoline and oil and of fuel oil and coal; prices of electricity and gas increased in both quarters, but at a slower pace in the first. "Other" PCE prices increased 5 percent, slightly less than in the fourth quarter; the slowdown was attributable to prices of clothing and shoes, which often fluctuate sharply from quarter to quarter, and to prices of durable goods other than autos.

Among other components of final sales, the increase in prices of fixed

investment moved up to 4½ percent, and the increase in prices of government purchases more than doubled to 7½ percent. One-half of the step-up in prices of government purchases was attributable to the Federal pay raise and increased Federal Government contributions for social insurance.

Personal Income

Personal income surged \$132 billion in the first quarter, following an \$86½ billion increase in the fourth (chart 4 and table 8). The acceleration was largely due to a sharp turnaround in farm proprietors' income and to stronger increases in personal interest income and transfer payments.

Movements in personal income in recent quarters have been greatly affected by the impact of the drought on farm proprietors' income. In addition, the special factors shown in the addenda to table 8 have had consider-

able impact. If farm proprietors' income and the special factors affecting the other components of personal income are excluded, personal income would have registered strong increases of \$84-91 billion in each of the past three quarters.

Wage and salary disbursements were up \$57 billion in the first quarter, following a \$55 billion increase in the fourth. The step-up was in government wages and salaries, which were boosted \$4½ billion by the pay raise for Federal Government and Postal Service employees. Private wages and salaries increased somewhat less than in the fourth quarter, reflecting a slowdown in average hourly earnings and a swing in average weekly hours from a small increase to a small decline.

Farm proprietors' income increased \$31 billion in the first quarter, following a \$5 billion decline in the fourth. Farm income excluding subsidies jumped \$32 billion after a \$19½ billion drop; the swing reflected a

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

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

| | 1988 | | | 1989 |
|---|------------|------------|------------|------------|
| | II | III | IV | I |
| GNP | 5.0 | 5.3 | 4.2 | 5.0 |
| Less: Exports | 6.9 | 9.6 | 2.5 | 4.4 |
| Plus: Imports | 5.7 | .1 | 3.1 | 8.9 |
| Equals: Gross domestic purchases | 4.9 | 4.4 | 4.3 | 5.4 |
| Less: Change in business inventories | | | | |
| Equals: Final sales to domestic purchasers | 4.9 | 4.4 | 4.3 | 5.5 |
| Personal consumption expenditures | 5.7 | 4.9 | 4.8 | 5.0 |
| Food | 6.0 | 9.4 | 3.8 | 5.2 |
| Energy | 5.7 | 3.7 | -1.2 | 2.8 |
| Other personal consumption expenditures | 5.6 | 3.9 | 5.6 | 5.1 |
| Fixed investment | 2.0 | 1.2 | 3.9 | 4.7 |
| Nonresidential structures | 1.1 | 2.8 | 3.3 | 4.3 |
| Producers' durable equipment | 3.4 | .7 | 4.9 | 4.5 |
| Residential investment | .3 | .3 | 2.6 | 3.5 |
| Government purchases | 4.5 | 4.7 | 2.9 | 7.6 |
| Addenda: | | | | |
| Merchandise imports | 6.3 | -9 | 2.0 | 11.4 |
| Petroleum and products | -2.6 | 22.0 | -32.3 | 117.7 |
| Other merchandise | 7.6 | 2.2 | 7.0 | 2.6 |

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.

Table 8.—Personal Income and Its Disposition

[Billions of dollars; seasonally adjusted at annual rates]

| | Level | Change from preceding quarter | | | | |
|---|----------------|-------------------------------|-------------|-------------|--------------|------|
| | | 1989:I | 1988 | | | 1989 |
| | | | II | III | IV | I |
| Wage and salary disbursements..... | 2,574.0 | 51.3 | 52.0 | 54.8 | 57.2 | |
| Commodity-producing industries | 727.6 | 13.1 | 12.2 | 14.1 | 12.2 | |
| Manufacturing | 545.3 | 7.8 | 8.5 | 11.2 | 8.2 | |
| Other | 182.3 | 5.3 | 3.7 | 2.9 | 4.0 | |
| Distributive industry | 611.4 | 13.9 | 13.7 | 12.8 | 12.8 | |
| Service industries | 769.0 | 18.5 | 19.9 | 21.6 | 21.6 | |
| Government and government enterprises | 465.9 | 5.8 | 6.2 | 6.3 | 10.5 | |
| Other labor income..... | 225.4 | 1.9 | 3.0 | 3.0 | 2.9 | |
| Proprietors' income | 357.8 | 4.9 | -7.2 | 2.2 | 34.0 | |
| Farm | 56.9 | -1.3 | -12.5 | -4.9 | 30.9 | |
| Nonfarm | 300.9 | 6.1 | 5.4 | 7.0 | 3.2 | |
| Rental income of persons..... | 13.3 | -1.4 | .6 | -1.6 | -4.8 | |
| Personal dividend income | 102.1 | 1.5 | 2.3 | 2.1 | 2.7 | |
| Personal interest income | 632.9 | 9.5 | 18.2 | 21.8 | 29.2 | |
| Transfer payments | 616.9 | 6.5 | 5.8 | 7.8 | 20.5 | |
| Less: Personal contributions for social insurance..... | 210.2 | 3.3 | 3.2 | 3.4 | 10.1 | |
| Personal income | 4,312.4 | 71.0 | 71.6 | 86.5 | 131.9 | |
| Less: Personal tax and nontax payments..... | 616.0 | 25.2 | -14.5 | 11.5 | 18.0 | |
| Impact of the Tax Reform Act of 1986 ¹ | | 12.6 | -25.8 | -1.0 | 3.1 | |
| Other | | 12.6 | 11.3 | 12.5 | 14.9 | |
| Equals: Disposable personal income..... | 3,696.4 | 45.9 | 86.0 | 75.0 | 113.9 | |
| Less: Personal outlays | 3,484.5 | 67.9 | 68.2 | 66.9 | 55.8 | |
| Equals: Personal saving..... | 211.9 | -22.1 | 17.9 | 8.2 | 58.1 | |
| Addenda: Special factors in personal income: | | | | | | |
| In wages and salaries: | | | | | | |
| Federal Government and Postal Service pay adjustments | | 1 | .3 | .3 | 4.4 | |
| In farm proprietors' income: | | | | | | |
| Agricultural subsidy payments..... | | 2.1 | -12.6 | 14.5 | -1.1 | |
| In transfer payments: | | | | | | |
| Social security retroactive payments | | -1.5 | | | 1.5 | |
| Cost-of-living increases in Federal transfer payments | | | | | 11.8 | |
| In personal contributions for social insurance: | | | | | | |
| Social security rate and base changes, the initial premiums under the medical catastrophic coverage, and an increase in the premium for supplementary medical insurance | | | | | 6.1 | |

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."

sharp increase in crop prices after a sharp decrease, as well as the return of farm output to a level not affected by the drought. Federal agricultural subsidy payments, which had jumped \$14½ billion to a level of \$16 billion in the fourth quarter, remained high—\$15 billion—in the first. Substantial deficiency and drought assistance payments were made in both quarters.

Personal interest income was up \$29 billion, the fifth quarter of progressively larger increases. These increases reflected uptrends in both short-term interest rates and personal asset holdings.

Transfer payments increased \$20½ billion in the first quarter, following an \$8 billion increase in the fourth. The jump was largely due to cost-of-living adjustments (COLA's) to benefits un-

der the social security and several other Federal retirement and income support programs. The COLA's, which became effective in January, added \$12 billion to transfer payments in the first quarter. In addition, retroactive social security payments to recent retirees, which result largely from the recalculation of the earnings base underlying benefits, added \$1½ billion.

Among the other incomes, nonfarm proprietors' income was up less in the first quarter than in the fourth. First-quarter increases in other labor income and personal dividend income were similar to those in the fourth quarter. Rental income declined more in the first quarter than in the fourth; the declines in both quarters reflected smaller increases in average rents combined with increased expenses because of higher mortgage rates.

Personal contributions for social insurance, which are subtracted in deriving the personal income total, increased \$10 billion in the first quarter, following a \$3½ billion increase in the fourth. First-quarter contributions were boosted by several program changes: An increase in the social security taxable wage base from \$45,000 to \$48,000, the initial premium under the Medicare Catastrophic Coverage Act of 1988, an increase in the monthly premium for supplementary medical insurance from \$24.80 to \$27.80, and rate and base changes in social security contributions paid by the self-employed.

Personal tax and nontax payments increased \$18 billion in the first quarter, following an \$11½ billion increase in the fourth. The increases largely reflected growth in the taxable earnings base.

Reflecting the surge in personal income, disposable personal income (DPI) increased \$114 billion (or 13½ percent) in the first quarter, following an increase of \$75 billion (or 9 percent) in the fourth. The acceleration largely carried through to real DPI, which increased 7½ percent after increasing 4 percent.

Personal outlays—largely consisting of PCE—increased \$11 billion less in the first quarter than in the fourth. This slowdown, coupled with the sizable pickup in DPI, led to a substantial increase in personal saving. The personal saving rate climbed 1.4 percentage points to 5.7 percent in the first quarter, the highest level in nearly 4 years.

Corporate Profits and Profitability in 1988

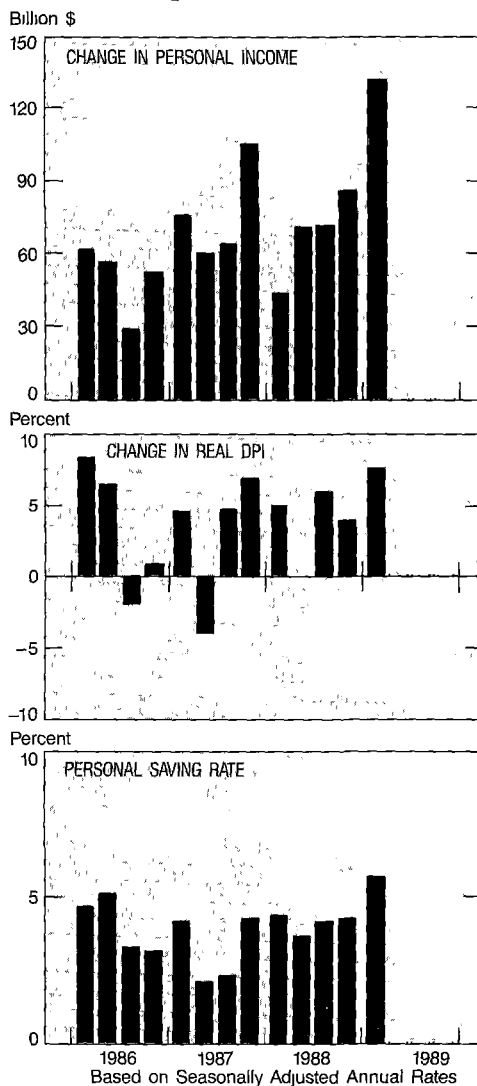
Profits from current production increased \$18 billion in 1988, to \$328½ billion, after increasing \$11½ billion in 1987. Profits of domestic nonfinancial corporations accounted for \$15 billion of the 1988 increase; in 1987, profits of these corporations accounted for \$7 billion of the increase, while profits from the rest of the world accounted for the other \$4½ billion.

Corporate property income—income accruing to investors in corporations—includes net interest payments as well as profits. For domestic nonfinancial corporations, net interest payments increased \$15 billion in 1988 after increasing \$14½ billion in 1987.

Chart 5 provides perspective on the recent increases in both types of property income of domestic nonfinancial corporations. In 1970–88, both types registered strong increases, but the increases in net interest were substantially larger—with an average annual rate of increase of 11.1 percent, compared with an average annual rate of increase of 8.8 percent for profits; as a result, the ratio of net interest to profits increased from 31 percent in 1970 to 45 percent in 1988. It may also be noted that profits showed more sensitivity to the business cycle than did net interest: Profits declined markedly in the recession years of 1974, 1980, and 1982 (and 1970, although this decline is not apparent from the chart); net interest, in contrast, increased in each of these years, with the only substantial decline occurring in the recovery year of 1983.

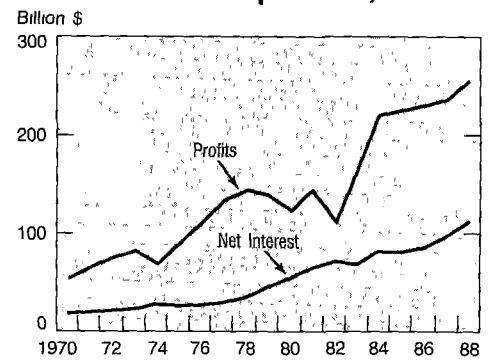
The increase in profits in 1987 was similar in size to the increases in 1985

CHART 4
Selected Personal Income and Saving Measures



US Department of Commerce, Bureau of Economic Analysis 89-4-4

CHART 5
Profits From Current Production and Net Interest, Domestic Nonfinancial Corporations, 1970-88



U.S. Department of Commerce, Bureau of Economic Analysis 89-4-5

and 1986; the increase in 1988 was substantially larger. The large increases in net interest in 1987 and 1988 followed several years of relative flatness; these increases are somewhat surprising, given the relatively low level of interest rates in these years. Although the relationship is far from exact, such large increases in net interest tend to occur when interest rates are higher than they were in 1987–88. The strength of net interest in these years may well reflect increased leveraged buy-out and merger activity and changes in the tax law. (Net interest, like other components of the NIPA's, is subject to revision in July.)

Perspective on property income can also be gained by examining property income in relation to the net reproducible assets and the domestic income of domestic nonfinancial corporations. The ratio of property income (P) to the value of net reproducible assets (K) is the rate of return on these assets—that is, the rate of return, or yield, on “capital.” (Rates of return can be calculated in many ways, as explained in the accompanying box.) The ratio of property income to domestic income (Y) is property income’s “share”—that is, the percent of domestic income that is not used to compensate labor. These two ratios are related to each other by a third—the ratio of domestic income to the value of net reproducible assets, which is a measure of the average annual product per dollar of capital. Algebraically, the relationship between the ratios can be expressed:

$$\frac{P}{K} = \left(\frac{P}{Y}\right) \left(\frac{Y}{K}\right).$$

This relationship should not be interpreted as suggesting a particular direction of causation; the three ratios may well be determined simultaneously, in which case any one of the ratios could be put on the left side of the equation. Rather, the equation is written with the rate of return on the left side because this ratio is of particular interest.

With its denominator valued at replacement cost, the rate of return is directly comparable to other current market yields, such as yields on bonds. Mix-effects aside, this rate of return is an estimate of the average profitability of capital investment and is, therefore, one of the determinants of

new investment. Thus, a regression of constant-dollar nonresidential investment against the Federal Reserve Board’s Index of Capacity Utilization in Manufacturing and the rate of return yields a coefficient of the rate of return that is both positive and statistically significant.⁴ (Alternatively, this relationship may be interpreted as suggesting that the rate of return is measured correctly; if it entered the equation with the wrong sign or insignificantly, skepticism about its accuracy would be justified.)

4. The regression was estimated over 1971–88, and all variables were measured as ratios representing year-to-year percent changes. Of course, a much more elaborate equation would be required to model all the complexities involved in the investment decision, but this highly simplified equation suggests that the rate of return is indeed relevant in such a specification.

All three ratios are plotted for 1970–88 in chart 6, and are reported, along with related ratios, for 1948–88 in table 9. From the table, it seems clear that shifts in property income’s share (column 1) and in the rate of return (column 4) occurred around 1970. (The share fell from an average of 21.4 percent in 1948–69 to an average of 16.5 percent in 1970–88; for the rate of return, the two averages are 12.6 percent and 8.6 percent, respectively.)⁵ These shifts are traceable to profits; net interest’s share (column 3) and rate of

5. In regressions of property income’s share and of the rate of return against cyclical variables, a time trend, and a dummy variable (equal to 0 before 1970 and to 1 thereafter), statistically significant coefficients of the dummy variable imply a drop of about 2½ percentage points in property income’s share and a drop of about 1½ percentage points in the rate of return.

Rates of Return

The rate of return in domestic nonfinancial corporations discussed in the text is measured as the ratio of property income to the value of net reproducible assets. (Ideally, nonreproducible assets, such as land, would also be included in the denominator, but the lack of data prevents this.) Property income is the sum of profits from current production—corporate profits with inventory valuation adjustment and capital consumption adjustment—and net interest payments. Net reproducible assets consist of capital stock and inventories; both are measured at replacement cost.

As explained in the text, a rate of return calculated with the denominator valued at replacement cost is an estimate of the profitability of new investment (assuming no change in the mix). The use of property income, rather than profits alone, as the numerator of this ratio reflects the assumption that a corporation’s decision to invest in plant, equipment, and inventories depends on estimates of the total income stream that will flow from that investment. Given that estimate, the decision on whether to finance the investment out of equity or debt—that is, whether the income stream will take the form of profits or of interest—is a separate question, one presumably determined by financial considerations.

Rates of return can be calculated in many other ways, however; the following paragraphs describe several.

The income measure in the numerator of the ratio can be defined exclusive of net interest or in terms of some measure other than the current-production variant for profits. A few of these variants are given in columns 6–10 of table 9. The last few entries in columns 7 and 8, for example, reflect the impact of the Tax Reform Act of 1986.

The stock of reproducible assets valued at historical cost with consistent (i.e., straight-line) depreciation can be used as the denominator; however, for companies that use the LIFO method of inventory accounting, historical-cost valuation of inventories is not feasible, and this part of inventories can only be valued at replacement cost. If the historical cost and replacement cost of LIFO inventories were equal, the historical-cost rate of return would have been about 14.7 percent in both 1987 and 1988, compared with the replacement-cost rates of return of 9 percent and 9.2 percent, respectively.

The denominator need not be reproducible assets. For example, rates of return on stockholders’ equity and on sales for mining, manufacturing, retail trade, and wholesale trade corporations are published by the Census Bureau in the *Quarterly Financial Report (QFR)*. (*QFR* measures of book profits, not profits from current production, are used in the numerators.) These rates of return differ substantially from the rates of return discussed previously. In 1988, for example, the *QFR* estimate of the rate of return on stockholders’ equity for all manufacturing corporations was 22.8 percent, compared with the 14.7 percent (for domestic nonfinancial corporations) reported previously.

Part of the large difference between the *QFR* rate of return on stockholders’ equity and the rate of return based on reproducible assets valued at historical cost simply reflects the fact that stockholders’ equity is smaller than the value of reproducible assets. If the *QFR* estimate of profits in manufacturing is divided by the historical-cost value of manufacturers’ reproducible assets, the *QFR* rate of return would fall from 22.8 percent to 19.4 percent. The remaining difference (between 19.4 percent and 14.7 percent) presumably reflects coverage differences and differences between financial accounting and tax accounting. (For an explanation of the latter, see Appendix A of BEA’s *Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends*, Methodology Paper Series MP-2 (Washington, DC: GPO, May 1985, with update.)

return (column 5) increased. The occurrence of the shifts at about the time that the ratios would be expected to fall for cyclical reasons (see below) complicates both the dating and the explanation of the shifts. Whatever the reason(s) for the shifts, however, the fact that they occurred seems clear. The remainder of this discussion will ignore the period before 1970.

The cyclical nature of all three ratios is apparent in both the chart and the table. Cyclical factors, represented by the percentage gap between actual GNP and middle-expansion trend GNP, explain about one-half of the variation in each of the first two ratios and about one-third of the variation in

the third. None of the ratios exhibits a significant trend since 1970, but in 1988 all three were above their 1970-88 averages.

The average product of capital increased in each of the last 3 years. In 1986, however, the increase did not boost the rate of return because property income's share declined. In 1987 and 1988, in contrast, the increases in the average product of capital were augmented by small increases in property income's share and the rate of return increased.

In the past few years, the difference between the rate of return on capital and the rate of interest on long-term corporate bonds has reverted to

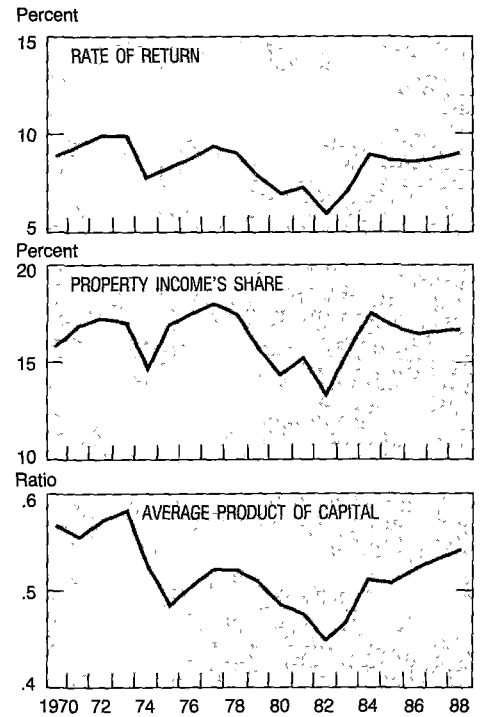
the range that prevailed in most of the 1970's (chart 7). In the first half of the 1980's, the interest rate was much higher than the rate of return, reflecting the very large inflation premium that was incorporated in the interest rate.

Table 9.—Ratios, Domestic Nonfinancial Corporations, 1948-88

| Year | Share of domestic income | | | Rate of return | | | | | | | |
|-----------|--------------------------|---------------------------------|--------------|-----------------|--------------|---------------------------------|-----------------------|-------------------|-----------|-----------------------|----------------------------|
| | Property income | Profits from current production | Net interest | Property income | Net interest | Profits from current production | Profits tax liability | Profits after tax | Dividends | Undistributed profits | Average product of capital |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| 1948..... | 23.8 | 23.1 | 0.8 | 14.7 | 0.5 | 14.2 | 6.3 | 7.9 | 3.2 | 4.7 | .618 |
| 1949..... | 22.6 | 21.7 | .9 | 12.5 | .5 | 12.0 | 4.7 | 7.3 | 3.0 | 4.3 | .553 |
| 1950..... | 25.0 | 24.2 | .7 | 14.7 | .4 | 14.3 | 7.9 | 6.4 | 3.5 | 2.9 | .588 |
| 1951.. | 24.5 | 23.8 | .8 | 14.8 | .5 | 14.4 | 8.8 | 5.6 | 2.9 | 2.7 | .604 |
| 1952.. | 21.8 | 21.0 | .8 | 12.6 | .5 | 12.1 | 6.8 | 5.3 | 2.7 | 2.6 | .578 |
| 1953.. | 20.3 | 19.5 | .8 | 12.0 | .5 | 11.5 | 6.7 | 4.7 | 2.7 | 2.1 | .591 |
| 1954.. | 20.1 | 19.1 | 1.0 | 11.1 | .6 | 10.6 | 5.5 | 5.1 | 2.6 | 2.4 | .552 |
| 1955.. | 23.2 | 22.2 | .9 | 13.7 | .5 | 13.2 | 6.7 | 6.5 | 2.8 | 3.7 | .591 |
| 1956.. | 20.8 | 19.9 | .9 | 11.9 | .5 | 11.4 | 6.0 | 5.4 | 2.7 | 2.7 | .572 |
| 1957.. | 19.8 | 18.7 | 1.1 | 10.8 | .6 | 10.2 | 5.3 | 4.9 | 2.6 | 2.4 | .545 |
| 1958.. | 18.3 | 16.9 | 1.4 | 9.3 | .7 | 8.5 | 4.3 | 4.2 | 2.5 | 1.8 | .508 |
| 1959.. | 20.9 | 19.4 | 1.4 | 11.6 | .8 | 10.8 | 5.3 | 5.5 | 2.6 | 2.9 | .555 |
| 1960.. | 19.1 | 17.5 | 1.6 | 10.6 | .9 | 9.7 | 4.7 | 4.9 | 2.6 | 2.3 | .555 |
| 1961.. | 19.2 | 17.5 | 1.7 | 10.6 | 1.0 | 9.7 | 4.7 | 5.0 | 2.6 | 2.4 | .552 |
| 1962.. | 20.6 | 18.8 | 1.8 | 12.1 | 1.1 | 11.0 | 4.8 | 6.2 | 2.7 | 3.6 | .587 |
| 1963.. | 21.5 | 19.7 | 1.8 | 12.9 | 1.1 | 11.8 | 5.1 | 6.7 | 2.8 | 3.9 | .600 |
| 1964.. | 22.2 | 20.3 | 1.8 | 13.8 | 1.1 | 12.7 | 5.1 | 7.5 | 2.9 | 4.6 | .622 |
| 1965.. | 23.4 | 21.5 | 1.9 | 15.0 | 1.2 | 13.8 | 5.4 | 8.4 | 3.1 | 5.3 | .641 |
| 1966.. | 22.8 | 20.8 | 2.1 | 14.8 | 1.4 | 13.5 | 5.4 | 8.1 | 3.1 | 5.0 | .649 |
| 1967.. | 21.3 | 19.0 | 2.4 | 13.2 | 1.5 | 11.7 | 4.6 | 7.1 | 2.9 | 4.2 | .620 |
| 1968.. | 20.8 | 18.3 | 2.5 | 12.9 | 1.5 | 11.4 | 5.1 | 6.3 | 2.9 | 3.4 | .620 |
| 1969.. | 18.7 | 15.8 | 3.0 | 11.4 | 1.8 | 9.6 | 4.6 | 5.0 | 2.6 | 2.4 | .610 |
| 1970..... | 16.1 | 12.3 | 3.8 | 9.1 | 2.2 | 7.0 | 3.4 | 3.5 | 2.3 | 1.2 | .565 |
| 1971..... | 17.2 | 13.4 | 3.7 | 9.6 | 2.1 | 7.5 | 3.5 | 4.1 | 2.1 | 1.9 | .558 |
| 1972..... | 17.5 | 14.0 | 3.5 | 10.1 | 2.0 | 8.1 | 3.6 | 4.5 | 2.1 | 2.3 | .577 |
| 1973..... | 17.2 | 13.5 | 3.7 | 10.1 | 2.2 | 7.9 | 3.9 | 4.1 | 2.0 | 2.0 | .587 |
| 1974..... | 14.9 | 10.6 | 4.3 | 7.9 | 2.3 | 5.6 | 3.4 | 2.2 | 1.8 | 1.4 | .530 |
| 1975..... | 17.2 | 13.1 | 4.1 | 8.4 | 2.0 | 6.4 | 2.9 | 3.5 | 1.7 | 1.8 | .544 |
| 1976..... | 17.7 | 14.2 | 3.4 | 9.0 | 1.8 | 7.2 | 3.4 | 3.8 | 1.8 | 2.1 | .508 |
| 1977..... | 18.3 | 14.9 | 3.4 | 9.6 | 1.8 | 7.8 | 3.5 | 4.3 | 1.9 | 2.5 | .525 |
| 1978..... | 17.7 | 14.2 | 3.5 | 9.3 | 1.8 | 7.5 | 3.4 | 4.0 | 1.9 | 2.1 | .525 |
| 1979..... | 16.0 | 12.2 | 3.8 | 8.2 | 1.9 | 6.2 | 3.1 | 3.1 | 1.8 | 1.4 | .513 |
| 1980..... | 14.5 | 10.0 | 4.5 | 7.1 | 2.2 | 4.9 | 2.6 | 2.2 | 1.8 | .4 | .490 |
| 1981..... | 15.4 | 10.5 | 4.9 | 7.4 | 2.4 | 5.1 | 2.2 | 2.8 | 1.9 | .9 | .481 |
| 1982..... | 13.5 | 8.0 | 5.5 | 6.1 | 2.5 | 3.6 | 1.5 | 2.1 | 1.9 | .2 | .452 |
| 1983..... | 15.7 | 11.0 | 4.6 | 7.4 | 2.2 | 5.2 | 1.9 | 3.4 | 2.1 | 1.3 | .471 |
| 1984..... | 17.8 | 13.1 | 4.7 | 9.2 | 2.4 | 6.7 | 2.2 | 4.5 | 2.1 | 2.4 | .517 |
| 1985..... | 17.1 | 12.5 | 4.5 | 8.8 | 2.3 | 6.5 | 2.0 | 4.5 | 2.1 | 2.4 | .515 |
| 1986..... | 16.7 | 12.3 | 4.5 | 8.8 | 2.4 | 6.4 | 2.1 | 4.3 | 2.1 | 2.2 | .527 |
| 1987..... | 16.8 | 11.9 | 4.9 | 9.0 | 2.6 | 6.4 | 2.7 | 3.7 | 2.2 | 1.5 | .536 |
| 1988..... | 16.9 | 11.7 | 5.2 | 9.2 | 2.9 | 6.4 | 2.7 | 3.6 | 2.2 | 1.4 | .544 |

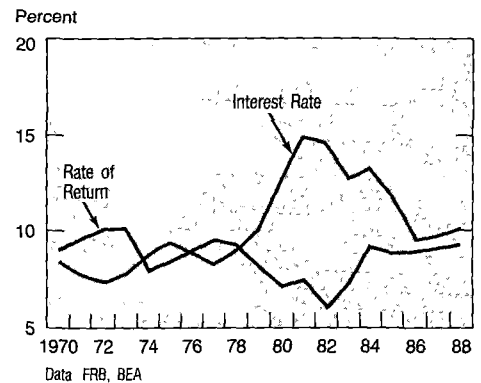
NOTE.—Property income is profits from current production plus net interest. Profits from current production is corporate profits with inventory valuation adjustment and capital consumption adjustment. Columns 1-3 are percentages of domestic income. Columns 4-10 are percentages of the stock of net reproducible assets (structures, equipment, and inventories) valued at replacement cost. Column 11 is calculated as the ratio of column 4 to column 1. Current data on most series are shown in tables 1.14 and 1.16 of the "Selected NIPA Tables." The value of fixed assets through 1981 are available in *Fixed Reproducible Tangible Wealth in the United States, 1929-85*. (Washington, DC: U.S. Government Printing Office, 1987). The data for 1982-87 are from the August 1986-88 issues of the SURVEY OF CURRENT BUSINESS; data for 1988 are unpublished BEA estimates. Inventory levels are available in tables 5.10 and 5.11 of the "Selected NIPA Tables."

CHART 6
Selected Ratios, Domestic Nonfinancial Corporations, 1970-88



U.S. Department of Commerce, Bureau of Economic Analysis 88-46

CHART 7
Rate of Return and Interest Rate, 1970-88



Data FRB, BEA
U.S. Department of Commerce, Bureau of Economic Analysis 89-47

National Income and Product Accounts Tables

Selected NIPA Tables

New estimates in this issue: First quarter 1989; for corporate profits and related items, fourth quarter and annual 1988, revised.

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

The full set of estimates for 1985-87 is in the July 1988 issue of the SURVEY; estimates for 1984 are in the July 1987 issue; estimates for 1983 are in the July 1986 issue. Estimates for 1929-82 are in *National Income and Product Accounts, 1929-82: Statistical Tables* (GPO Stock No. 003-010-00174-7, price \$23.00). These publications are available from the Superintendent of Documents; see address on inside front cover.

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

Table 1.1.—Gross National Product

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 4,526.7 | 4,864.3 | 4,662.8 | 4,724.5 | 4,823.8 | 4,909.0 | 4,999.7 | 5,116.8 |
| Personal consumption expenditures... | 3,012.1 | 3,227.5 | 3,076.3 | 3,128.1 | 3,194.6 | 3,261.2 | 3,326.4 | 3,380.4 |
| Durable goods..... | 421.9 | 451.1 | 422.0 | 437.8 | 449.8 | 452.9 | 464.0 | 461.5 |
| Nondurable goods..... | 997.9 | 1,046.9 | 1,012.4 | 1,016.2 | 1,036.6 | 1,060.8 | 1,073.9 | 1,093.7 |
| Services..... | 1,592.3 | 1,729.6 | 1,641.9 | 1,674.1 | 1,708.2 | 1,747.5 | 1,788.5 | 1,825.3 |
| Gross private domestic investment..... | 712.9 | 766.5 | 764.9 | 763.4 | 758.1 | 772.5 | 772.0 | 815.9 |
| Fixed investment | 673.7 | 718.1 | 692.9 | 698.1 | 714.4 | 722.8 | 737.2 | 754.2 |
| Nonresidential | 446.8 | 488.4 | 464.1 | 471.5 | 487.8 | 493.7 | 500.6 | 516.5 |
| Structures..... | 139.5 | 142.8 | 147.7 | 140.1 | 142.3 | 143.8 | 145.0 | 149.4 |
| Producers' durable equipment..... | 307.3 | 345.6 | 316.3 | 331.3 | 345.5 | 349.9 | 355.6 | 367.0 |
| Residential..... | 226.9 | 229.7 | 228.8 | 226.6 | 226.5 | 229.1 | 236.6 | 237.7 |
| Change in business inventories..... | 39.2 | 48.4 | 72.0 | 65.3 | 43.7 | 49.7 | 34.7 | 61.8 |
| Nonfarm..... | 40.7 | 42.2 | 72.8 | 49.4 | 33.1 | 41.9 | 44.6 | 43.3 |
| Farm..... | -1.5 | 6.1 | -8 | 15.9 | 10.6 | 7.8 | -9.8 | 18.5 |
| Net exports of goods and services | -123.0 | -94.6 | -125.7 | -112.1 | -90.4 | -80.0 | -96.1 | -90.5 |
| Exports..... | 428.0 | 519.7 | 459.7 | 487.8 | 507.1 | 536.1 | 548.0 | 570.3 |
| Imports..... | 551.1 | 614.4 | 585.4 | 599.9 | 597.5 | 616.0 | 644.0 | 660.8 |
| Government purchases of goods and services | 924.7 | 964.9 | 947.3 | 945.2 | 961.6 | 955.3 | 997.5 | 1,010.9 |
| Federal..... | 382.0 | 381.0 | 391.4 | 377.7 | 382.2 | 367.7 | 396.3 | 394.8 |
| National defense | 295.3 | 298.4 | 299.2 | 298.4 | 298.8 | 294.3 | 301.9 | 298.7 |
| Nondefense..... | 86.7 | 82.6 | 92.2 | 79.3 | 83.4 | 73.4 | 94.3 | 96.1 |
| State and local | 542.8 | 583.9 | 555.9 | 567.5 | 579.4 | 587.6 | 601.2 | 616.1 |

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

Table 1.2.—Gross National Product in Constant Dollars

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Personal consumption expenditures..... | 2,521.0 | 2,592.2 | 2,531.7 | 2,559.8 | 2,579.0 | 2,603.8 | 2,626.2 | 2,634.8 |
| Durable goods..... | 390.9 | 409.7 | 387.6 | 401.1 | 410.6 | 410.4 | 416.5 | 413.1 |
| Nondurable goods..... | 890.5 | 899.6 | 890.5 | 892.7 | 893.6 | 904.5 | 907.4 | 911.8 |
| Services..... | 1,239.5 | 1,283.0 | 1,253.6 | 1,265.9 | 1,274.8 | 1,288.9 | 1,302.2 | 1,309.9 |
| Gross private domestic investment..... | 674.8 | 721.8 | 724.7 | 728.9 | 715.1 | 726.1 | 717.1 | 751.4 |
| Fixed investment | 640.4 | 679.3 | 657.6 | 662.9 | 679.7 | 686.6 | 688.0 | 697.6 |
| Nonresidential | 445.1 | 487.5 | 464.8 | 473.4 | 490.2 | 495.0 | 491.4 | 502.8 |
| Structures..... | 125.5 | 125.1 | 132.1 | 124.0 | 125.0 | 125.8 | 125.5 | 127.9 |
| Producers' durable equipment..... | 319.6 | 362.4 | 332.7 | 349.4 | 365.1 | 369.2 | 365.9 | 374.9 |
| Residential..... | 195.2 | 191.8 | 192.7 | 189.5 | 189.6 | 191.6 | 196.6 | 194.8 |
| Change in business inventories..... | 34.4 | 42.5 | 67.1 | 66.0 | 35.3 | 39.5 | 29.1 | 53.8 |
| Nonfarm..... | 36.9 | 40.0 | 68.2 | 51.9 | 30.1 | 40.4 | 37.6 | 41.1 |
| Farm..... | -2.5 | 2.5 | -1.1 | 14.1 | 5.3 | -8.8 | -8.5 | 12.6 |
| Net exports of goods and services..... | -128.9 | -100.2 | -126.0 | -109.0 | -92.6 | -93.9 | -105.4 | -95.6 |
| Exports..... | 427.8 | 504.8 | 459.2 | 486.2 | 496.9 | 514.0 | 522.1 | 535.4 |
| Imports..... | 556.7 | 605.0 | 585.2 | 595.1 | 589.5 | 607.9 | 627.4 | 631.0 |
| Government purchases of goods and services | 780.2 | 782.3 | 792.6 | 776.4 | 783.8 | 773.5 | 795.5 | 797.7 |
| Federal..... | 339.0 | 328.7 | 347.7 | 327.8 | 331.6 | 320.1 | 335.5 | 333.2 |
| National defense | 264.9 | 261.8 | 268.2 | 264.6 | 263.6 | 256.4 | 262.5 | 255.9 |
| Nondefense..... | 74.1 | 66.9 | 79.5 | 63.2 | 67.9 | 63.7 | 72.9 | 77.3 |
| State and local | 441.2 | 453.6 | 444.9 | 448.7 | 452.2 | 453.4 | 460.0 | 464.5 |

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

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

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|-------------------------------------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 4,526.7 | 4,864.3 | 4,662.8 | 4,724.5 | 4,823.8 | 4,909.0 | 4,999.7 | 5,116.8 |
| Final sales..... | 4,487.5 | 4,815.9 | 4,590.7 | 4,659.2 | 4,780.1 | 4,859.3 | 4,965.0 | 5,055.0 |
| Change in business inventories..... | 39.2 | 48.4 | 72.0 | 65.3 | 43.7 | 49.7 | 34.7 | 61.8 |
| Goods | 1,792.5 | 1,938.7 | 1,849.3 | 1,879.5 | 1,928.0 | 1,960.1 | 1,987.1 | 2,049.6 |
| Final sales | 1,753.3 | 1,890.3 | 1,777.3 | 1,814.2 | 1,884.3 | 1,910.4 | 1,952.4 | 1,987.8 |
| Change in business inventories..... | 39.2 | 48.4 | 72.0 | 65.3 | 43.7 | 49.7 | 34.7 | 61.8 |
| Durable goods..... | 776.3 | 858.3 | 808.7 | 819.3 | 849.5 | 881.6 | 882.7 | 903.3 |
| Final sales..... | 749.7 | 827.3 | 758.2 | 792.7 | 831.6 | 836.4 | 848.6 | 860.4 |
| Change in business inventories..... | 26.6 | 30.9 | 50.5 | 26.6 | 17.8 | 45.1 | 34.1 | 42.9 |
| Nondurable goods..... | 1,016.2 | 1,080.4 | 1,040.7 | 1,060.1 | 1,078.5 | 1,078.5 | 1,104.4 | 1,146.2 |
| Final sales..... | 1,003.6 | 1,063.0 | 1,019.1 | 1,021.5 | 1,052.7 | 1,074.0 | 1,103.8 | 1,127.4 |
| Change in business inventories..... | 12.6 | 17.4 | 21.6 | 38.6 | 25.9 | 4.5 | 6 | 18.8 |
| Services..... | 2,295.7 | 2,477.9 | 2,363.9 | 2,405.2 | 2,451.5 | 2,501.6 | 2,553.5 | 2,600.7 |
| Structures..... | 438.4 | 447.6 | 449.5 | 439.9 | 444.3 | 447.3 | 459.1 | 466.6 |

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

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|-------------------------------------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Final sales..... | 3,812.6 | 3,953.6 | 3,855.9 | 3,890.1 | 3,949.9 | 3,969.9 | 4,004.4 | 4,034.5 |
| Change in business inventories..... | 34.4 | 42.5 | 67.1 | 66.0 | 35.3 | 39.5 | 29.1 | 53.8 |
| Goods..... | 1,663.3 | 1,762.3 | 1,713.9 | 1,748.1 | 1,762.4 | 1,768.9 | 1,769.6 | 1,819.4 |
| Final sales | 1,628.9 | 1,719.8 | 1,646.8 | 1,682.2 | 1,727.1 | 1,729.4 | 1,740.6 | 1,765.6 |
| Change in business inventories..... | 34.4 | 42.5 | 67.1 | 66.0 | 35.3 | 39.5 | 29.1 | 53.8 |
| Durable goods..... | 774.6 | 864.8 | 812.7 | 832.5 | 861.7 | 885.0 | 879.8 | 890.9 |
| Final sales..... | 750.7 | 837.3 | 767.2 | 809.0 | 845.8 | 844.6 | 849.7 | 854.1 |
| Change in business inventories..... | 23.9 | 27.5 | 45.5 | 23.5 | 15.9 | 40.4 | 30.1 | 36.8 |
| Nondurable goods..... | 888.8 | 897.5 | 901.2 | 915.6 | 900.7 | 884.0 | 889.8 | 928.5 |
| Final sales..... | 878.2 | 882.5 | 879.6 | 873.2 | 881.3 | 884.9 | 890.8 | 911.4 |
| Change in business inventories..... | 10.5 | 15.0 | 21.6 | 42.4 | 19.4 | -9 | -1.0 | 17.0 |
| Services..... | 1,801.1 | 1,855.4 | 1,822.3 | 1,833.4 | 1,846.1 | 1,862.8 | 1,879.2 | 1,882.7 |
| Structures..... | 382.6 | 378.4 | 386.7 | 374.6 | 376.7 | 377.7 | 384.6 | 386.1 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 4,526.7 | 4,864.3 | 4,662.8 | 4,724.5 | 4,823.8 | 4,909.0 | 4,999.7 | 5,116.8 |
| Less: Exports of goods and services | 428.0 | 519.7 | 459.7 | 487.8 | 507.1 | 536.1 | 548.0 | 570.3 |
| Plus: Imports of goods and services | 351.1 | 614.4 | 585.4 | 599.9 | 597.5 | 616.0 | 644.0 | 660.8 |
| Equals: Gross domestic purchases ¹ | 4,649.7 | 4,958.9 | 4,788.4 | 4,836.6 | 4,914.2 | 4,989.0 | 5,095.8 | 5,207.3 |
| Less: Change in business inventories..... | 39.2 | 48.4 | 72.0 | 65.3 | 43.7 | 49.7 | 34.7 | 61.8 |
| Equals: Final sales to domestic purchasers ² | 4,610.5 | 4,910.6 | 4,716.4 | 4,771.3 | 4,870.5 | 4,939.3 | 5,061.1 | 5,145.5 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 4,526.7 | 4,864.3 | 4,662.8 | 4,724.5 | 4,823.8 | 4,909.0 | 4,999.7 | 5,116.8 |
| Gross domestic product | 4,497.2 | 4,839.4 | 4,631.8 | 4,702.1 | 4,802.5 | 4,882.2 | 4,970.7 | 5,090.0 |
| Business..... | 3,855.5 | 4,148.2 | 3,972.9 | 4,028.1 | 4,117.5 | 4,185.2 | 4,262.1 | 4,363.2 |
| Nonfarm | 3,787.8 | 4,091.9 | 3,905.8 | 3,965.4 | 4,048.0 | 4,123.7 | 4,230.6 | 4,299.5 |
| Nonfarm less housing..... | 3,416.5 | 3,693.8 | 3,522.7 | 3,576.0 | 3,654.0 | 3,722.5 | 3,822.6 | 3,886.3 |
| Housing | 371.3 | 398.1 | 383.1 | 389.4 | 394.0 | 401.2 | 408.0 | 413.2 |
| Farm | 75.9 | 70.7 | 73.4 | 77.7 | 74.6 | 75.6 | 54.8 | 86.9 |
| Statistical discrepancy | -8.1 | -14.3 | -6.4 | -15.0 | -5.1 | -14.0 | -23.2 | -23.2 |
| Households and institutions | 168.9 | 188.4 | 176.4 | 180.9 | 185.6 | 191.2 | 196.0 | 200.8 |
| Private households..... | 9.2 | 9.5 | 9.3 | 9.3 | 9.4 | 9.6 | 9.7 | 9.8 |
| Nonprofit institutions..... | 159.8 | 178.9 | 167.1 | 171.6 | 176.1 | 181.6 | 186.4 | 191.0 |
| Government..... | 472.7 | 502.8 | 482.5 | 493.1 | 499.4 | 505.8 | 512.6 | 525.9 |
| Federal..... | 151.0 | 157.8 | 152.7 | 156.7 | 157.4 | 158.1 | 159.0 | 166.2 |
| State and local | 321.7 | 345.0 | 329.9 | 336.4 | 342.1 | 347.8 | 353.6 | 359.7 |
| Rest of the world | 29.5 | 24.9 | 31.0 | 22.4 | 21.3 | 26.8 | 29.0 | 26.8 |
| Addendum: | | | | | | | | |
| Gross domestic business product less housing | 3,476.7 | | | | | | | |

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

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Less: Exports of goods and services | 427.8 | 504.8 | 459.2 | 486.2 | 496.9 | 514.0 | 522.1 | 535.4 |
| Plus: Imports of goods and services | 556.7 | 605.0 | 585.2 | 595.1 | 589.5 | 607.9 | 627.4 | 631.0 |
| Equals: Gross domestic purchases ¹ | 3,975.9 | 4,096.3 | 4,049.0 | 4,065.1 | 4,077.9 | 4,103.4 | 4,138.8 | 4,183.9 |
| Less: Change in business inventories..... | 34.4 | 42.5 | 67.1 | 66.0 | 35.3 | 29.1 | 53.8 | |
| Equals: Final sales to domestic purchasers ² | 3,941.5 | 4,053.8 | 3,981.9 | 3,999.1 | 4,042.6 | 4,063.8 | 4,109.7 | 4,130.1 |

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 1.8.—Gross National Product by Sector in Constant Dollars

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Gross domestic product | 3,821.4 | 3,975.0 | 3,896.3 | 3,936.6 | 3,967.0 | 3,987.0 | 4,009.6 | 4,066.3 |
| Business..... | 3,322.5 | 3,464.8 | 3,393.6 | 3,430.5 | 3,458.9 | 3,475.1 | 3,494.7 | 3,549.0 |
| Nonfarm | 3,247.1 | 3,408.9 | 3,317.2 | 3,360.9 | 3,393.1 | 3,421.5 | 3,460.0 | 3,489.3 |
| Nonfarm less housing..... | 2,965.7 | 3,120.8 | 3,032.8 | 3,074.8 | 3,105.7 | 3,132.8 | 3,170.1 | 3,198.2 |
| Housing | 281.4 | 288.0 | 284.4 | 286.1 | 287.4 | 288.8 | 289.9 | 291.2 |
| Farm | 82.5 | 67.9 | 81.8 | 82.3 | 70.1 | 65.2 | 53.8 | 78.6 |
| Statistical discrepancy | -7.0 | -11.9 | -5.4 | -12.8 | -4.3 | -11.6 | -19.1 | -18.9 |
| Households and institutions | 129.0 | 135.6 | 130.7 | 133.3 | 134.4 | 136.8 | 138.0 | 139.5 |
| Private households..... | 8.8 | 9.0 | 8.8 | 8.9 | 8.9 | 9.0 | 9.1 | 9.2 |
| Nonprofit institutions..... | 120.2 | 126.6 | 121.9 | 124.4 | 125.5 | 127.8 | 128.9 | 130.3 |
| Government..... | 369.9 | 374.6 | 372.0 | 372.8 | 373.7 | 375.2 | 376.8 | 377.8 |
| Federal..... | 123.5 | 124.2 | 123.9 | 123.9 | 123.8 | 124.2 | 124.8 | 124.9 |
| State and local | 246.4 | 250.5 | 248.1 | 249.0 | 249.9 | 251.0 | 252.0 | 253.0 |
| Rest of the world | 25.6 | 21.0 | 26.7 | 19.5 | 18.3 | 22.4 | 23.9 | 21.9 |
| Addendum: | | | | | | | | |
| Gross domestic business product less housing | 3,032.1 | | | | | | | |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV |
| Gross national product | 4,526.7 | 4,864.3 | 4,662.8 | 4,724.5 | 4,823.8 | 4,909.0 | 4,999.7 | 5,116.8 |
| Less: Capital consumption allowances with capital consumption adjustment | 480.0 | 506.3 | 489.5 | 498.3 | 503.2 | 507.7 | 516.2 | 524.6 |
| Capital consumption allowances without capital consumption adjustment | 507.6 | 524.5 | 516.4 | 520.8 | 524.1 | 526.0 | 527.0 | 526.6 |
| Less: Capital consumption adjustment | 27.6 | 18.1 | 26.9 | 22.5 | 20.9 | 18.2 | 10.9 | 2.1 |
| Equals: Net national product | 4,046.7 | 4,357.9 | 4,173.3 | 4,226.2 | 4,320.5 | 4,401.3 | 4,483.6 | 4,592.2 |
| Less: Indirect business tax and nontax liability | 366.3 | 389.0 | 374.2 | 379.4 | 385.8 | 392.3 | 398.7 | 403.6 |
| Business transfer payments | 28.1 | 30.7 | 29.0 | 29.6 | 30.3 | 31.1 | 31.8 | 32.6 |
| Statistical discrepancy | -8.1 | -14.3 | -6.4 | -15.0 | -5.1 | -14.0 | -23.2 | ..... |
| Plus: Subsidies less current surplus of government enterprises | 18.3 | 15.9 | 25.6 | 18.6 | 19.2 | 8.8 | 17.1 | 19.2 |
| Equals: National income | 3,678.7 | 3,968.4 | 3,802.0 | 3,850.8 | 3,928.8 | 4,000.7 | 4,093.4 | ..... |
| Less: Corporate profits with inventory valuation and capital consumption adjustments | 310.4 | 328.4 | 316.1 | 316.2 | 326.5 | 330.0 | 340.9 | ..... |
| Net interest | 353.6 | 391.5 | 369.5 | 373.9 | 380.6 | 396.2 | 415.4 | 435.5 |
| Contributions for social insurance | 399.1 | 444.7 | 408.6 | 433.3 | 440.9 | 448.4 | 456.1 | 471.0 |
| Wage accruals less disbursements | 0 | 0 | -2 | 0 | 0 | 0 | 0 | 0 |
| Plus: Government transfer payments to persons | 520.6 | 555.3 | 527.8 | 546.7 | 552.5 | 557.6 | 564.5 | 584.4 |
| Personal interest income | 527.0 | 575.9 | 550.0 | 554.2 | 563.7 | 581.9 | 603.7 | 632.9 |
| Personal dividend income | 88.6 | 96.3 | 91.9 | 93.5 | 95.0 | 97.3 | 99.4 | 102.1 |
| Business transfer payments | 28.1 | 30.7 | 29.0 | 29.6 | 30.3 | 31.1 | 31.8 | 32.6 |
| Equals: Personal income | 3,780.0 | 4,062.1 | 3,906.8 | 3,951.4 | 4,022.4 | 4,094.0 | 4,180.5 | 4,312.4 |

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

[Billions of 1982 dollars]

| | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Less: Capital consumption allowances with capital consumption adjustment | 460.8 | 479.7 | 468.2 | 472.9 | 477.3 | 481.9 | 486.5 | 491.2 |
| Equals: Net national product | 3,386.2 | 3,516.4 | 3,454.8 | 3,483.2 | 3,507.9 | 3,527.5 | 3,547.0 | 3,597.1 |
| Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises | 319.2 | 327.5 | 321.0 | 324.4 | 326.2 | 328.1 | 331.1 | 330.9 |
| Statistical discrepancy | -7.0 | -11.9 | -5.4 | -12.8 | -4.3 | -11.6 | -19.1 | ..... |
| Equals: National income | 3,074.0 | 3,200.9 | 3,139.3 | 3,171.5 | 3,186.0 | 3,211.1 | 3,235.0 | ..... |

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

[Billions of 1982 dollars]

| | | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Gross national product | 3,847.0 | 3,996.1 | 3,923.0 | 3,956.1 | 3,985.2 | 4,009.4 | 4,033.4 | 4,088.2 |
| Less: Net exports of goods and services | -128.9 | -100.2 | -126.0 | -109.0 | -92.6 | -93.9 | -105.4 | -95.6 |
| Exports | 427.8 | 504.8 | 459.2 | 486.2 | 496.9 | 514.0 | 522.1 | 535.4 |
| Imports | 556.7 | 605.0 | 585.2 | 595.1 | 589.5 | 607.9 | 627.4 | 631.0 |
| Equals: Gross domestic purchases | 3,975.9 | 4,096.3 | 4,049.0 | 4,065.1 | 4,077.9 | 4,103.4 | 4,138.8 | 4,183.9 |
| Plus: Command-basis net exports of goods and services | -124.3 | -93.2 | -125.6 | -111.2 | -89.2 | -78.9 | -93.6 | -86.4 |
| Command-basis exports ¹ | 432.4 | 511.8 | 459.6 | 483.9 | 500.3 | 529.0 | 533.9 | 544.6 |
| Imports | 556.7 | 605.0 | 585.2 | 595.1 | 589.5 | 607.9 | 627.4 | 631.0 |
| Equals: Command-basis gross national product | 3,851.6 | 4,003.1 | 3,923.4 | 3,953.9 | 3,988.7 | 4,024.5 | 4,045.2 | 4,097.5 |
| Addendum: | | | | | | | | |
| Terms of trade ² | 101.0 | 101.4 | 100.1 | 99.5 | 100.7 | 103.0 | 102.3 | 101.7 |

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

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

Table 1.14.—National Income by Type of Income

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV |
| National income | 3,678.7 | 3,968.4 | 3,802.0 | 3,850.8 | 3,928.8 | 4,000.7 | 4,093.4 | ..... |
| Compensation of employees | 2,683.4 | 2,904.7 | 2,769.9 | 2,816.4 | 2,874.0 | 2,933.2 | 2,995.3 | 3,060.3 |
| Wages and salaries | 2,248.4 | 2,436.9 | 2,324.8 | 2,358.7 | 2,410.0 | 2,462.0 | 2,516.8 | 2,574.0 |
| Government and government enterprises | 420.1 | 446.1 | 429.2 | 437.1 | 442.9 | 449.1 | 455.4 | 465.9 |
| Other | 1,828.3 | 1,990.7 | 1,895.6 | 1,921.6 | 1,967.1 | 2,012.9 | 2,061.4 | 2,108.1 |
| Supplements to wages and salaries | 435.0 | 467.8 | 445.1 | 457.7 | 464.0 | 471.1 | 478.5 | 486.3 |
| Employer contributions for social insurance | 227.1 | 249.6 | 232.7 | 243.1 | 247.5 | 251.7 | 256.0 | 260.9 |
| Other labor income | 207.9 | 218.3 | 212.4 | 214.6 | 216.5 | 219.5 | 222.5 | 225.4 |
| Proprietors' income with inventory valuation and capital consumption adjustments | 312.9 | 324.5 | 326.0 | 323.9 | 328.8 | 321.6 | 323.8 | 357.8 |
| Farm | 43.0 | 36.3 | 47.0 | 44.7 | 43.4 | 30.9 | 26.0 | 56.9 |
| Proprietors' income with inventory valuation adjustment | 50.6 | 43.4 | 54.5 | 52.2 | 50.8 | 37.9 | 32.9 | 63.7 |
| Capital consumption adjustment | -7.6 | -7.2 | -7.5 | -7.5 | -7.3 | -7.0 | -6.9 | -6.8 |
| Nonfarm | 270.0 | 288.2 | 279.0 | 279.2 | 285.3 | 290.7 | 297.7 | 300.9 |
| Proprietors' income | 233.0 | 254.0 | 243.4 | 243.7 | 250.9 | 256.8 | 264.5 | 270.6 |
| Inventory valuation adjustment | -1.0 | -1.3 | -1.7 | -1.2 | -1.7 | -1.5 | -9 | -2.4 |
| Capital consumption adjustment | 38.0 | 35.6 | 37.4 | 36.6 | 36.1 | 35.4 | 34.2 | 32.8 |
| Rental income of persons with capital consumption adjustment | 18.4 | 19.3 | 20.5 | 20.5 | 19.1 | 19.7 | 18.1 | 13.3 |
| Rental income of persons | 66.2 | 68.3 | 69.1 | 69.6 | 68.0 | 68.5 | 67.2 | 63.5 |
| Capital consumption adjustment | -47.8 | -49.0 | -48.6 | -49.1 | -49.0 | -48.8 | -49.1 | -50.2 |
| Corporate profits with inventory valuation and capital consumption adjustments | 310.4 | 328.4 | 316.1 | 316.2 | 326.5 | 330.0 | 340.9 | ..... |
| Corporate profits with inventory valuation adjustment | 258.7 | 282.8 | 263.7 | 266.8 | 278.5 | 284.6 | 301.3 | ..... |
| Profits before tax | 276.7 | 306.6 | 281.9 | 286.2 | 305.9 | 313.9 | 320.6 | ..... |
| Profits tax liability | 133.8 | 142.7 | 136.2 | 136.9 | 143.2 | 144.8 | 146.1 | ..... |
| Profits after tax | 142.9 | 163.9 | 145.7 | 149.4 | 162.7 | 169.1 | 174.5 | ..... |
| Dividends | 95.5 | 104.5 | 99.3 | 101.3 | 103.1 | 105.7 | 108.0 | 111.1 |
| Undistributed profits | 47.4 | 59.4 | 46.4 | 48.1 | 59.6 | 63.4 | 66.4 | ..... |
| Inventory valuation adjustment | -18.0 | -23.8 | -18.2 | -19.4 | -27.4 | -29.3 | -19.2 | -33.6 |
| Capital consumption adjustment | 51.7 | 45.6 | 52.4 | 49.4 | 48.0 | 45.4 | 39.6 | 33.3 |
| Net interest | 353.6 | 391.5 | 369.5 | 373.9 | 380.6 | 396.2 | 415.4 | 435.5 |
| Addenda: | | | | | | | | |
| Corporate profits after tax with inventory valuation and capital consumption adjustments | 176.6 | 185.7 | 179.9 | 179.3 | 183.2 | 185.2 | 194.8 | ..... |
| Net cash flow with inventory valuation and capital consumption adjustments | 378.6 | 396.9 | 384.2 | 387.8 | 393.4 | 396.4 | 409.8 | ..... |
| Undistributed profits with inventory valuation and capital consumption adjustments | 81.1 | 81.1 | 80.5 | 78.1 | 80.1 | 79.5 | 86.8 | ..... |
| Capital consumption allowances with capital consumption adjustment | 297.5 | 315.7 | 303.7 | 309.8 | 313.3 | 316.8 | 323.0 | 328.2 |
| Less: Inventory valuation adjustment | -18.0 | -23.8 | -18.2 | -19.4 | -27.4 | -29.3 | -19.2 | -33.6 |
| Equals: Net cash flow | 396.6 | 420.7 | 402.4 | 407.3 | 420.8 | 425.7 | 429.0 | ..... |

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

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Billions of dollars | | | | | | | | |
| Gross domestic product of corporate business | 2,717.9 | 2,930.5 | 2,793.0 | 2,845.1 | 2,901.1 | 2,954.2 | 3,021.6 | |
| Capital consumption allowances with capital consumption adjustment | 297.5 | 315.7 | 303.7 | 309.8 | 313.3 | 316.8 | 323.0 | 328.2 |
| Net domestic product | 2,420.4 | 2,614.8 | 2,489.3 | 2,535.4 | 2,587.8 | 2,637.4 | 2,698.5 | |
| Indirect business tax and nontax liability plus business transfer payments less subsidies | 257.5 | 274.7 | 262.8 | 267.7 | 271.8 | 278.0 | 281.2 | 284.8 |
| Domestic income | 2,162.9 | 2,340.1 | 2,226.5 | 2,267.6 | 2,316.1 | 2,359.4 | 2,417.4 | |
| Compensation of employees | 1,803.7 | 1,949.3 | 1,858.4 | 1,887.7 | 1,927.9 | 1,968.8 | 2,012.7 | 2,052.3 |
| Wages and salaries | 1,520.6 | 1,649.6 | 1,569.3 | 1,594.7 | 1,630.8 | 1,667.0 | 1,705.9 | 1,742.7 |
| Supplements to wages and salaries | 283.0 | 299.7 | 289.1 | 293.1 | 297.1 | 301.8 | 306.8 | 309.6 |
| Corporate profits with inventory valuation and capital consumption adjustments | 274.0 | 291.3 | 274.6 | 286.0 | 291.1 | 289.2 | 298.8 | |
| Profits before tax | 240.3 | 269.5 | 240.4 | 256.0 | 270.5 | 273.1 | 278.4 | |
| Profits tax liability | 133.8 | 142.7 | 136.2 | 136.9 | 143.2 | 144.8 | 146.1 | |
| Profits after tax | 106.5 | 126.8 | 104.2 | 119.2 | 127.3 | 128.3 | 132.4 | |
| Dividends | 83.4 | 89.1 | 91.3 | 75.3 | 87.1 | 99.6 | 94.6 | 97.2 |
| Undistributed profits | 23.1 | 37.7 | 12.9 | 43.9 | 40.2 | 28.7 | 37.8 | |
| Inventory valuation adjustment | -18.0 | -23.8 | -18.2 | -19.4 | -27.4 | -29.3 | -19.2 | -33.6 |
| Capital consumption adjustment | 51.7 | 45.6 | 32.4 | 49.4 | 48.0 | 45.4 | 39.6 | 33.3 |
| Net interest | 85.2 | 99.6 | 93.5 | 93.9 | 97.1 | 101.4 | 105.9 | 111.8 |
| Gross domestic product of financial corporate business | 204.4 | 219.2 | 207.4 | 212.0 | 217.1 | 222.2 | 225.4 | |
| Gross domestic product of nonfinancial corporate business | 2,513.5 | 2,711.3 | 2,585.6 | 2,633.2 | 2,684.0 | 2,732.1 | 2,796.1 | |
| Capital consumption allowances with capital consumption adjustment | 276.2 | 292.1 | 281.3 | 286.8 | 290.0 | 293.0 | 298.5 | 303.2 |
| Net domestic product | 2,237.3 | 2,419.3 | 2,304.3 | 2,346.4 | 2,394.0 | 2,439.1 | 2,497.6 | |
| Indirect business tax and nontax liability plus business transfer payments less subsidies | 239.8 | 255.6 | 244.5 | 249.2 | 253.0 | 258.8 | 261.7 | 265.0 |
| Domestic income | 1,997.5 | 2,163.6 | 2,059.7 | 2,097.2 | 2,141.1 | 2,180.3 | 2,235.9 | |
| Compensation of employees | 1,661.4 | 1,797.4 | 1,714.7 | 1,739.6 | 1,777.8 | 1,816.4 | 1,855.8 | 1,891.6 |
| Wages and salaries | 1,399.7 | 1,520.0 | 1,447.0 | 1,468.4 | 1,502.8 | 1,536.9 | 1,571.9 | 1,605.2 |
| Supplements to wages and salaries | 261.8 | 277.4 | 267.8 | 271.2 | 275.0 | 279.5 | 283.9 | 286.5 |
| Corporate profits with inventory valuation and capital consumption adjustments | 237.5 | 252.7 | 238.4 | 250.6 | 252.6 | 248.2 | 259.4 | |
| Profits before tax | 210.2 | 239.0 | 211.6 | 228.4 | 240.5 | 240.4 | 246.6 | |
| Profits tax liability | 99.0 | 108.6 | 101.7 | 104.4 | 109.4 | 109.1 | 111.6 | |
| Profits after tax | 111.2 | 130.4 | 109.9 | 124.1 | 131.1 | 131.3 | 135.0 | |
| Dividends | 83.8 | 88.3 | 90.8 | 74.6 | 86.2 | 98.7 | 93.6 | 96.0 |
| Undistributed profits | 27.4 | 42.1 | 19.1 | 49.5 | 44.9 | 32.7 | 41.4 | |
| Inventory valuation adjustment | -18.0 | -23.8 | -18.2 | -19.4 | -27.4 | -29.3 | -19.2 | -33.6 |
| Capital consumption adjustment | 45.3 | 37.5 | 45.0 | 41.5 | 39.5 | 37.1 | 32.0 | 25.7 |
| Net interest | 98.6 | 113.6 | 106.6 | 107.1 | 110.7 | 115.7 | 120.8 | 127.5 |
| Billions of 1982 dollars | | | | | | | | |
| Gross domestic product of nonfinancial corporate business | 2,270.4 | 2,390.4 | 2,322.5 | 2,363.5 | 2,380.9 | 2,395.5 | 2,421.7 | |
| Capital consumption allowances with capital consumption adjustment | 269.4 | 279.3 | 273.2 | 275.7 | 278.1 | 280.6 | 283.0 | 285.5 |
| Net domestic product | 2,001.0 | 2,111.1 | 2,049.3 | 2,087.8 | 2,102.9 | 2,114.9 | 2,138.7 | |
| Indirect business tax and nontax liability plus business transfer payments less subsidies | 203.2 | 208.7 | 204.3 | 206.3 | 207.8 | 209.6 | 211.1 | 210.6 |
| Domestic income | 1,797.8 | 1,902.4 | 1,845.1 | 1,881.4 | 1,895.1 | 1,905.3 | 1,927.7 | |

Table 1.17.—Auto Output

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Auto output | 116.3 | 127.0 | 120.6 | 113.1 | 130.3 | 132.0 | 132.5 | 132.1 |
| Final sales | 109.4 | 125.3 | 106.6 | 117.8 | 129.3 | 128.0 | 126.1 | 120.0 |
| Personal consumption expenditures | 130.0 | 138.6 | 128.0 | 133.9 | 139.8 | 139.2 | 141.7 | 137.2 |
| New autos | 94.1 | 101.2 | 90.9 | 100.2 | 100.1 | 101.1 | 103.3 | 99.1 |
| Net purchases of used autos | 35.9 | 37.5 | 37.0 | 33.7 | 39.7 | 38.1 | 38.4 | 38.1 |
| Producers' durable equipment | 19.2 | 23.2 | 19.3 | 22.1 | 23.7 | 23.7 | 23.3 | 21.9 |
| New autos | 44.4 | 50.3 | 44.9 | 47.9 | 50.0 | 52.3 | 51.1 | 46.7 |
| Net purchases of used autos | -25.2 | -27.1 | -25.6 | -25.7 | -26.4 | -28.6 | -27.8 | -24.8 |
| Net exports of goods and services | -41.3 | -38.2 | -42.3 | -40.1 | -35.8 | -36.4 | -40.5 | -40.7 |
| Exports | 6.6 | 8.8 | 8.1 | 8.2 | 8.3 | 9.8 | 9.0 | 8.6 |
| Imports | 47.9 | 47.0 | 50.3 | 48.3 | 44.1 | 46.2 | 49.5 | 49.3 |
| Government purchases of goods and services | 1.5 | 1.7 | 1.6 | 1.9 | 1.6 | 1.5 | 1.6 | 1.7 |
| Change in business inventories of new and used autos | 6.9 | 1.7 | 14.0 | -4.7 | 1.1 | 4.0 | 6.4 | 12.1 |
| New | 6.7 | .6 | 14.0 | -9.1 | 3.4 | 2.7 | 5.5 | 12.3 |
| Used | .2 | 1.1 | 0 | 4.4 | -3.3 | 1.3 | .9 | -2 |
| Addenda: | | | | | | | | |
| Domestic output of new autos ¹ | 94.8 | 101.6 | 98.7 | 88.7 | 104.2 | 103.0 | 110.7 | 105.9 |
| Sales of imported new autos ² | 55.0 | 59.7 | 57.2 | 60.2 | 60.6 | 60.2 | 57.9 | 56.2 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|-------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Auto output | 100.6 | 107.5 | 102.9 | 96.0 | 111.2 | 111.5 | 111.3 | 109.0 |
| Final sales | 95.1 | 106.7 | 91.4 | 101.0 | 110.4 | 108.5 | 106.9 | 100.6 |
| Personal consumption expenditures | 108.8 | 113.6 | 105.3 | 110.4 | 115.5 | 113.7 | 114.7 | 109.8 |
| New autos | 80.0 | 84.4 | 76.5 | 84.3 | 83.9 | 84.1 | 85.2 | 81.0 |
| Net purchases of used autos | 28.8 | 29.2 | 28.8 | 26.0 | 31.6 | 29.6 | 29.6 | 28.7 |
| Producers' durable equipment | 16.3 | 19.8 | 16.4 | 19.0 | 20.1 | 20.3 | 19.7 | 18.4 |
| New autos | 37.7 | 42.0 | 37.8 | 40.3 | 41.9 | 43.5 | 42.2 | 38.2 |
| Net purchases of used autos | -21.5 | -22.2 | -21.4 | -21.2 | -21.8 | -23.3 | -22.5 | -19.7 |
| Net exports of goods and services | -31.4 | -28.1 | -31.8 | -30.1 | -26.5 | -26.8 | -28.9 | -29.1 |
| Exports | 5.4 | 7.1 | 6.6 | 6.7 | 6.8 | 7.9 | 7.2 | 6.8 |
| Imports | 36.8 | 35.2 | 38.4 | 36.8 | 33.3 | 34.7 | 36.1 | 35.9 |
| Government purchases of goods and services | 1.4 | 1.5 | 1.4 | 1.7 | 1.4 | 1.3 | 1.4 | 1.5 |
| Change in business inventories of new and used autos | 5.5 | .8 | 11.5 | -4.9 | .8 | 3.0 | 4.3 | 8.4 |
| New | 5.3 | 0 | 11.5 | -8.5 | 2.8 | 2.0 | 3.6 | 8.6 |
| Used | .2 | .8 | 0 | 3.6 | -2.0 | 1.1 | .7 | -2 |
| Addenda: | | | | | | | | |
| Domestic output of new autos ¹ | 80.5 | 84.5 | 83.1 | 74.2 | 87.3 | 85.4 | 91.1 | 86.0 |
| Sales of imported new autos ² | 46.8 | 49.8 | 48.1 | 50.7 | 50.8 | 50.1 | 47.8 | 45.9 |

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and government purchases.

Table 1.19.—Truck Output

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|------|------|-------------------------------------|------|------|------|------|------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV |  | I |
| Truck output ¹ | 59.6 | 67.0 | 64.6 | 65.8 | 65.3 | 64.3 | 72.5 | 70.5 |
| Final sales..... | 58.3 | 66.6 | 60.9 | 66.2 | 65.4 | 67.3 | 67.5 | 65.4 |
| Personal consumption expenditures..... | 27.7 | 29.2 | 27.3 | 28.7 | 28.8 | 29.8 | 29.4 | 29.4 |
| Producers' durable equipment..... | 33.0 | 37.3 | 34.2 | 36.4 | 36.1 | 37.4 | 39.2 | 36.6 |
| Net exports of goods and services..... | -7.0 | -5.6 | -5.6 | -4.9 | -5.3 | -5.6 | -6.8 | -6.5 |
| Exports..... | 3.3 | 3.8 | 4.2 | 4.1 | 3.7 | 3.8 | 3.8 | 3.9 |
| Imports..... | 10.3 | 9.5 | 9.8 | 9.0 | 9.0 | 9.4 | 10.6 | 10.4 |
| Government purchases of goods and services..... | 4.7 | 5.8 | 5.0 | 6.0 | 5.8 | 5.7 | 5.6 | 6.0 |
| Change in business inventories..... | 1.3 | .4 | 3.7 | -4 | 0 | -3.0 | 5.1 | 5.1 |

1. Includes new trucks only

Table 1.20.—Truck Output in Constant Dollars

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|------|------|-------------------------------------|------|------|------|------|------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV |  | I |
| Truck output ¹ | 50.8 | 56.2 | 54.9 | 55.8 | 55.5 | 54.1 | 59.2 | 57.1 |
| Final sales..... | 49.7 | 55.9 | 51.9 | 56.2 | 55.5 | 56.5 | 55.3 | 53.1 |
| Personal consumption expenditures..... | 23.5 | 24.5 | 23.0 | 24.2 | 24.3 | 25.1 | 24.4 | 24.0 |
| Producers' durable equipment..... | 28.2 | 31.2 | 29.3 | 31.0 | 30.8 | 31.3 | 31.8 | 29.6 |
| Net exports of goods and services..... | -6.0 | -4.7 | -4.7 | -4.1 | -4.5 | -4.7 | -5.6 | -5.3 |
| Exports..... | 2.8 | 3.2 | 3.6 | 3.5 | 3.1 | 3.2 | 3.1 | 3.2 |
| Imports..... | 8.8 | 7.9 | 8.3 | 7.6 | 7.6 | 7.8 | 8.7 | 8.5 |
| Government purchases of goods and services..... | 4.0 | 4.8 | 4.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.8 |
| Change in business inventories..... | 1.1 | .3 | 3.0 | -3 | 0 | -2.3 | 4.0 | 4.0 |

1. Includes new trucks only

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV |  | I |
| Personal income..... | 3,780.0 | 4,062.1 | 3,906.8 | 3,951.4 | 4,022.4 | 4,094.0 | 4,180.5 | 4,312.4 |
| Wage and salary disbursements..... | 2,248.4 | 2,436.9 | 2,325.1 | 2,358.7 | 2,410.0 | 2,462.0 | 2,516.8 | 2,574.0 |
| Commodity-producing industries... Manufacturing..... | 649.8 490.3 | 695.4 522.5 | 665.5 501.3 | 676.0 509.6 | 689.1 517.4 | 701.3 525.9 | 715.4 537.1 | 727.6 545.3 |
| Distributive industries..... | 531.7 | 578.7 | 547.3 | 558.2 | 572.1 | 585.8 | 598.6 | 611.4 |
| Service industries..... | 646.8 | 716.6 | 682.8 | 687.4 | 705.9 | 725.8 | 747.4 | 769.0 |
| Government and government enterprises..... | 420.1 | 446.1 | 429.5 | 437.1 | 442.9 | 449.1 | 455.4 | 465.9 |
| Other labor income..... | 207.9 | 218.3 | 212.4 | 214.6 | 216.5 | 219.5 | 222.5 | 225.4 |
| Proprietors' income with inventory valuation and capital consumption adjustments..... | 312.9 | 324.5 | 326.0 | 323.9 | 328.8 | 321.6 | 323.8 | 357.8 |
| Farm..... | 43.0 | 36.3 | 47.0 | 44.7 | 43.4 | 30.9 | 26.0 | 56.9 |
| Nonfarm..... | 270.0 | 288.2 | 279.0 | 279.2 | 285.3 | 290.7 | 297.7 | 300.9 |
| Rental income of persons with capital consumption adjustment..... | 18.4 | 19.3 | 20.5 | 20.5 | 19.1 | 19.7 | 18.1 | 13.3 |
| Personal dividend income..... | 88.6 | 96.3 | 91.9 | 93.5 | 95.0 | 97.3 | 99.4 | 102.1 |
| Personal interest income..... | 527.0 | 575.9 | 550.0 | 554.2 | 563.7 | 581.9 | 603.7 | 632.9 |
| Transfer payments..... | 548.8 | 586.0 | 556.8 | 576.3 | 582.8 | 588.6 | 596.4 | 616.9 |
| Old-age, survivors, disability, and health insurance benefits..... | 282.9 | 301.8 | 286.5 | 298.1 | 300.4 | 303.1 | 305.7 | 317.6 |
| Government unemployment insurance benefits..... | 14.7 | 13.3 | 13.4 | 13.9 | 13.4 | 13.4 | 12.7 | 13.8 |
| Veterans benefits..... | 16.6 | 17.0 | 16.6 | 17.0 | 17.1 | 17.1 | 16.9 | 17.4 |
| Government employees retirement benefits..... | 75.7 | 81.7 | 77.1 | 80.4 | 82.3 | 81.6 | 82.4 | 85.6 |
| Other transfer payments..... | 158.9 | 172.1 | 163.3 | 166.9 | 169.6 | 173.4 | 178.6 | 182.6 |
| Aid to families with dependent children..... | 16.7 | 17.2 | 16.8 | 16.9 | 17.1 | 17.2 | 17.5 | 17.5 |
| Other..... | 142.1 | 155.0 | 146.5 | 150.0 | 152.5 | 156.2 | 161.1 | 165.1 |
| Less: Personal contributions for social insurance..... | 172.0 | 195.1 | 175.9 | 190.2 | 193.5 | 196.7 | 200.1 | 210.2 |
| Less: Personal tax and nontax payments..... | 570.3 | 590.3 | 591.0 | 575.8 | 601.0 | 586.5 | 598.0 | 616.0 |
| Equals: Disposable personal income..... | 3,209.7 | 3,471.8 | 3,315.8 | 3,375.6 | 3,421.5 | 3,507.5 | 3,582.5 | 3,696.4 |
| Less: Personal outlays..... | 3,105.5 | 3,327.5 | 3,171.8 | 3,225.7 | 3,293.6 | 3,361.8 | 3,428.7 | 3,484.5 |
| Personal consumption expenditures..... | 3,012.1 | 3,227.5 | 3,076.3 | 3,128.1 | 3,194.6 | 3,261.2 | 3,326.4 | 3,380.4 |
| Interest paid by consumers to business..... | 92.1 | 98.9 | 94.4 | 96.4 | 98.2 | 99.8 | 101.2 | 103.0 |
| Personal transfer payments to foreigners (net)..... | 1.3 | 1.0 | 1.2 | 1.2 | .8 | .8 | 1.1 | 1.1 |
| Equals: Personal saving..... | 104.2 | 144.3 | 144.0 | 149.9 | 127.8 | 145.7 | 153.8 | 211.9 |
| Addenda: | | | | | | | | |
| Disposable personal income: Total, billions of 1982 dollars..... | 2,686.3 | 2,788.3 | 2,728.9 | 2,762.3 | 2,762.2 | 2,800.4 | 2,828.4 | 2,881.1 |
| Per capita: | | | | | | | | |
| Current dollars..... | 13,157 | 14,103 | 13,543 | 13,760 | 13,919 | 14,231 | 14,497 | 14,925 |
| 1982 dollars..... | 11,012 | 11,326 | 11,145 | 11,260 | 11,237 | 11,362 | 11,445 | 11,633 |
| Population (mid-period, millions)..... | 243.9 | 246.2 | 244.8 | 245.3 | 245.8 | 246.5 | 247.1 | 247.7 |
| Personal saving as percentage of disposable personal income..... | 3.2 | 4.2 | 4.3 | 4.4 | 3.7 | 4.2 | 4.3 | 5.7 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV |  | I |
| Personal consumption expenditures..... | 3,012.1 | 3,227.5 | 3,076.3 | 3,128.1 | 3,194.6 | 3,261.2 | 3,326.4 | 3,380.4 |
| Durable goods..... | 421.9 | 451.1 | 422.0 | 437.8 | 449.8 | 452.9 | 464.0 | 461.5 |
| Motor vehicles and parts..... | 195.8 | 208.6 | 194.0 | 202.2 | 208.7 | 210.2 | 213.2 | 208.2 |
| Furniture and household equipment..... | 148.3 | 159.0 | 149.4 | 154.7 | 159.5 | 159.5 | 162.3 | 167.8 |
| Other..... | 77.8 | 83.6 | 78.6 | 81.0 | 81.5 | 83.2 | 88.5 | 85.5 |
| Nondurable goods..... | 997.9 | 1,046.9 | 1,012.4 | 1,016.2 | 1,036.6 | 1,060.8 | 1,073.9 | 1,093.7 |
| Food..... | 526.4 | 551.5 | 530.9 | 535.9 | 546.3 | 558.9 | 564.9 | 579.4 |
| Clothing and shoes..... | 178.2 | 186.4 | 181.2 | 180.5 | 183.2 | 188.4 | 193.6 | 193.3 |
| Gasoline and oil..... | 77.0 | 78.8 | 79.3 | 76.3 | 78.8 | 80.5 | 79.5 | 78.3 |
| Other nondurable goods..... | 216.3 | 230.2 | 220.9 | 223.5 | 228.2 | 233.0 | 235.9 | 242.7 |
| Fuel oil and coal..... | 16.2 | 17.2 | 16.6 | 17.0 | 17.2 | 17.4 | 17.3 | 16.5 |
| Other..... | 200.1 | 212.9 | 204.2 | 206.6 | 211.0 | 215.6 | 218.6 | 226.2 |
| Services..... | 1,592.3 | 1,729.6 | 1,641.9 | 1,674.1 | 1,708.2 | 1,747.5 | 1,788.5 | 1,825.3 |
| Housing..... | 467.7 | 501.6 | 481.8 | 490.1 | 496.4 | 506.0 | 514.0 | 521.2 |
| Household operation..... | 186.3 | 196.7 | 188.2 | 190.9 | 193.5 | 199.7 | 202.7 | 200.7 |
| Electricity and gas..... | 88.8 | 93.1 | 88.8 | 90.2 | 90.9 | 94.6 | 96.7 | 93.2 |
| Other..... | 97.5 | 103.6 | 99.5 | 100.7 | 102.7 | 105.1 | 106.0 | 107.4 |
| Transportation..... | 106.2 | 117.2 | 112.0 | 111.3 | 116.4 | 118.5 | 122.5 | 126.8 |
| Medical care..... | 360.3 | 404.1 | 374.4 | 384.9 | 396.6 | 410.4 | 424.7 | 439.3 |
| Other..... | 471.8 | 510.0 | 485.4 | 497.0 | 505.2 | 512.9 | 524.8 | 537.4 |

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV |  | I |
| Personal consumption expenditures..... | 2,521.0 | 2,592.2 | 2,531.7 | 2,559.8 | 2,579.0 | 2,603.8 | 2,626.2 | 2,634.8 |
| Durable goods..... | 390.9 | 409.7 | 387.6 | 401.1 | 410.6 | 416.5 | 416.5 | 413.1 |
| Motor vehicles and parts..... | 170.4 | 177.7 | 166.7 | 173.5 | 179.0 | 178.7 | 179.6 | 173.5 |
| Furniture and household equipment..... | 151.0 | 160.8 | 151.9 | 157.3 | 161.8 | 161.0 | 163.0 | 168.9 |
| Other..... | 69.6 | 71.2 | 69.0 | 70.3 | 69.8 | 70.7 | 73.9 | 70.7 |
| Nondurable goods..... | 890.5 | 899.6 | 890.5 | 892.7 | 893.6 | 904.5 | 907.4 | 911.8 |
| Food..... | 450.4 | 453.3 | 449.2 | 451.4 | 453.2 | 453.8 | 454.8 | 460.4 |
| Clothing and shoes..... | 160.5 | 161.1 | 160.3 | 159.6 | 156.3 | 164.2 | 164.1 | 163.9 |
| Gasoline and oil..... | 98.3 | 99.6 | 98.4 | 98.8 | 99.8 | 99.5 | 100.3 | 98.7 |
| Other nondurable goods..... | 181.3 | 185.6 | 182.6 | 183.0 | 184.2 | 187.0 | 188.2 | 188.8 |
| Fuel oil and coal..... | 21.1 | 22.4 | 21.4 | 22.0 | 21.8 | 22.4 | 23.6 | 21.3 |
| Other..... | 160.2 | 163.2 | 161.2 | 161.0 | 162.4 | 164.6 | 164.6 | 167.5 |
| Services..... | 1,239.5 | 1,283.0 | 1,253.6 | 1,265.9 | 1,274.8 | 1,288.9 | 1,302.2 | 1,309.9 |
| Housing..... | 358.3 | 366.5 | 361.7 | 363.6 | 367.7 | 369.0 | 370.6 | 370.6 |
| Household operation..... | 157.0 | 163.5 | 158.1 | 160.4 | 161.1 | 165.9 | 166.4 | 163.6 |
| Electricity and gas..... | 79.0 | 82.3 | 79.2 | 80.5 | 80.6 | 83.8 | 84.2 | 80.8 |
| Other..... | 78.0 | 81.2 | 79.0 | 80.0 | 80.4 | 82.1 | 82.2 | 82.7 |
| Transportation..... | 89.3 | 93.7 | 90.8 | 91.7 | 92.9 | 94.2 | 96.0 | 95.9 |
| Medical care..... | 268.2 | 282.0 | 274.0 | 276.9 | 279.5 | 283.4 | 288.2 | 292.9 |
| Other..... | 366.6 | 377.3 | 369.0 | 373.2 | 375.8 | 377.7 | 382.6 | 387.0 |

Table 3.2.—Federal Government Receipts and Expenditures

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Receipts | 916.5 | 975.2 | 944.4 | 951.0 | 983.0 | 975.5 | 991.5 | |
| Personal tax and nontax receipts | 405.6 | 413.4 | 422.3 | 404.6 | 425.0 | 408.3 | 415.8 | 430.0 |
| Income taxes | 396.8 | 404.0 | 414.1 | 395.9 | 415.1 | 398.6 | 406.4 | 420.6 |
| Estate and gift taxes | 7.4 | 7.9 | 6.7 | 7.1 | 8.2 | 8.3 | 7.9 | 7.9 |
| Nontaxes | 1.4 | 1.6 | 1.6 | 1.5 | 1.7 | 1.4 | 1.5 | 1.5 |
| Corporate profits tax accruals | 105.8 | 111.4 | 107.7 | 107.2 | 111.7 | 113.1 | 113.8 | |
| Federal Reserve banks | 17.7 | 18.6 | 17.9 | 18.4 | 18.3 | 19.1 | 18.5 | |
| Other | 88.1 | 92.9 | 89.8 | 88.8 | 93.4 | 94.0 | 95.3 | |
| Indirect business tax and nontax accruals | 54.0 | 56.7 | 55.0 | 55.9 | 55.9 | 57.1 | 57.9 | 58.2 |
| Excise taxes | 31.8 | 33.1 | 32.2 | 32.4 | 33.0 | 33.2 | 33.9 | 33.6 |
| Customs duties | 15.4 | 16.4 | 15.8 | 16.5 | 15.9 | 16.3 | 16.8 | 17.4 |
| Nontaxes | 6.8 | 7.2 | 7.0 | 7.0 | 7.0 | 7.5 | 7.2 | 7.2 |
| Contributions for social insurance | 351.0 | 393.7 | 359.4 | 383.4 | 390.3 | 397.0 | 404.0 | 418.2 |
| Expenditures | 1,074.2 | 1,117.6 | 1,104.9 | 1,106.1 | 1,116.3 | 1,099.0 | 1,149.0 | 1,175.9 |
| Purchases of goods and services | 382.0 | 381.0 | 391.4 | 377.7 | 382.2 | 367.7 | 396.3 | 394.8 |
| National defense | 295.3 | 298.4 | 299.2 | 298.4 | 298.8 | 294.3 | 301.9 | 298.7 |
| Nondefense | 86.7 | 82.6 | 92.2 | 79.3 | 83.4 | 73.4 | 94.3 | 96.1 |
| Transfer payments | 414.2 | 440.1 | 422.5 | 434.4 | 437.6 | 440.7 | 447.5 | 460.5 |
| To persons | 402.0 | 427.2 | 406.1 | 422.9 | 426.5 | 428.3 | 430.9 | 448.8 |
| To foreigners | 12.2 | 12.9 | 16.4 | 11.5 | 11.0 | 12.5 | 16.6 | 11.7 |
| Grants-in-aid to State and local governments | 102.7 | 111.5 | 101.4 | 111.1 | 110.4 | 111.5 | 113.0 | 115.5 |
| Net interest paid | 143.0 | 153.9 | 149.5 | 149.9 | 152.1 | 154.9 | 158.9 | 168.9 |
| Interest paid | 162.5 | 174.4 | 168.4 | 172.5 | 171.8 | 174.3 | 179.1 | 188.4 |
| To persons and business | 138.4 | 146.7 | 143.8 | 146.0 | 145.0 | 146.5 | 149.5 | 157.0 |
| To foreigners | 24.1 | 27.7 | 24.6 | 26.6 | 26.8 | 27.8 | 29.6 | 31.4 |
| Less: Interest received by government | 19.4 | 20.5 | 18.9 | 22.6 | 19.8 | 19.4 | 20.2 | 19.5 |
| Subsidies less current surplus of government enterprises | 32.4 | 31.1 | 39.7 | 33.0 | 34.0 | 24.1 | 33.3 | 36.2 |
| Subsidies | 30.8 | 28.6 | 37.6 | 29.6 | 32.5 | 16.8 | 35.4 | 34.5 |
| Less: Current surplus of government enterprises | -1.6 | -2.5 | -2.1 | -3.3 | -1.5 | -7.3 | 2.1 | -1.7 |
| Less: Wage accruals less disbursements | 0 | 0 | -2 | 0 | 0 | 0 | 0 | 0 |
| Surplus or deficit (-), national income and product accounts | -157.8 | -142.3 | -160.4 | -155.1 | -133.3 | -123.5 | -157.5 | |
| Social insurance funds | 27.5 | 53.2 | 34.9 | 44.8 | 49.8 | 56.0 | 62.1 | 61.5 |
| Other | -185.3 | -195.5 | -195.3 | -199.8 | -183.1 | -179.5 | -219.6 | |

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Receipts | 655.7 | 703.1 | 666.9 | 685.5 | 698.4 | 708.0 | 720.4 | |
| Personal tax and nontax receipts | 164.7 | 176.9 | 168.6 | 171.3 | 176.0 | 178.2 | 182.2 | 186.0 |
| Income taxes | 86.1 | 92.7 | 88.1 | 89.3 | 92.6 | 93.3 | 95.7 | 97.8 |
| Nontaxes | 64.8 | 69.4 | 66.5 | 67.6 | 68.7 | 69.9 | 71.2 | 72.5 |
| Other | 13.8 | 14.8 | 14.1 | 14.3 | 14.7 | 15.0 | 15.3 | 15.7 |
| Corporate profits tax accruals | 27.9 | 31.3 | 28.5 | 29.7 | 31.5 | 31.7 | 32.3 | |
| Indirect business tax and nontax accruals | 312.3 | 332.3 | 319.2 | 323.5 | 329.8 | 335.3 | 340.8 | 345.5 |
| Sales taxes | 148.7 | 158.9 | 152.5 | 154.3 | 157.9 | 160.2 | 163.2 | 164.7 |
| Property taxes | 121.9 | 129.6 | 124.7 | 126.6 | 128.5 | 130.6 | 132.9 | 135.1 |
| Other | 41.6 | 43.8 | 42.0 | 42.6 | 43.4 | 44.5 | 44.7 | 45.7 |
| Contributions for social insurance | 48.1 | 51.0 | 49.2 | 49.9 | 50.6 | 51.4 | 52.1 | 52.8 |
| Federal grants-in-aid | 102.7 | 111.5 | 101.4 | 111.1 | 110.4 | 111.5 | 113.0 | 115.5 |
| Expenditures | 602.8 | 647.9 | 617.2 | 629.7 | 642.1 | 652.0 | 667.8 | 682.7 |
| Purchases of goods and services | 542.8 | 583.9 | 555.9 | 567.5 | 579.4 | 587.6 | 601.2 | 616.1 |
| Compensation of employees | 321.7 | 345.0 | 329.9 | 336.4 | 342.1 | 347.8 | 353.6 | 359.7 |
| Other | 221.1 | 239.0 | 226.0 | 231.1 | 237.3 | 239.8 | 247.6 | 256.4 |
| Transfer payments to persons | 118.7 | 128.2 | 121.7 | 123.8 | 126.0 | 129.3 | 133.6 | 135.6 |
| Net interest paid | -37.7 | -40.8 | -38.8 | -39.5 | -40.3 | -41.2 | -42.1 | -43.1 |
| Interest paid | 53.3 | 59.0 | 55.4 | 56.8 | 58.3 | 59.7 | 61.2 | 62.7 |
| Less: Interest received by government | 91.0 | 99.8 | 94.2 | 96.3 | 98.6 | 101.0 | 103.3 | 105.8 |
| Less: Dividends received by government | 6.9 | 8.2 | 7.5 | 7.8 | 8.1 | 8.4 | 8.7 | 9.0 |
| Subsidies less current surplus of government enterprises | -14.0 | -15.2 | -14.1 | -14.4 | -14.7 | -15.3 | -16.2 | -17.0 |
| Subsidies | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 |
| Less: Current surplus of government enterprises | 15.0 | 16.2 | 15.1 | 15.5 | 15.8 | 16.3 | 17.3 | 18.0 |
| Less: Wage accruals less disbursements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surplus or deficit (-), national income and product accounts | 52.9 | 55.2 | 49.7 | 55.8 | 56.2 | 56.0 | 52.6 | |
| Social insurance funds | 62.1 | 68.5 | 64.6 | 66.1 | 67.7 | 69.3 | 70.9 | 72.5 |
| Other | -9.2 | -13.3 | -14.8 | -10.3 | -11.5 | -13.3 | -18.2 | |

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

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|----------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Government purchases of goods and services | 924.7 | 964.9 | 947.3 | 945.2 | 961.6 | 955.3 | 997.5 | 1,010.9 |
| Federal | 382.0 | 381.0 | 391.4 | 377.7 | 382.2 | 367.7 | 396.3 | 394.8 |
| National defense | 295.3 | 298.4 | 299.2 | 298.4 | 298.8 | 294.3 | 301.9 | 298.7 |
| Durable goods | 89.8 | 84.1 | 88.4 | 83.8 | 84.2 | 81.7 | 86.6 | 84.5 |
| Nondurable goods | 10.5 | 11.0 | 11.3 | 10.8 | 11.4 | 10.7 | 11.3 | 11.4 |
| Services | 187.8 | 196.2 | 191.9 | 197.3 | 195.8 | 194.8 | 197.0 | 196.0 |
| Compensation of employees | 108.9 | 112.9 | 110.0 | 112.7 | 112.6 | 112.9 | 113.5 | 118.4 |
| Military | 73.2 | 75.8 | 73.9 | 75.5 | 75.7 | 75.9 | 76.2 | 79.2 |
| Civilian | 35.7 | 37.1 | 36.2 | 37.2 | 37.0 | 37.0 | 37.3 | 39.2 |
| Other services | 78.9 | 83.3 | 81.9 | 84.6 | 83.1 | 81.8 | 83.5 | 77.6 |
| Structures | 7.2 | 7.1 | 7.6 | 6.6 | 7.5 | 7.2 | 7.1 | 6.8 |
| Nondefense | 86.7 | 82.6 | 92.2 | 79.3 | 83.4 | 73.4 | 94.3 | 96.1 |
| Durable goods | 4.1 | 4.6 | 4.5 | 4.6 | 4.8 | 4.2 | 4.6 | 4.8 |
| Nondurable goods | 3.2 | -7.9 | 4.9 | -9.1 | -8.2 | -16.4 | 2.0 | 8 |
| Commodity Credit Corporation inventory change | -3.3 | -15.4 | -1.4 | -17.5 | -16.8 | -22.6 | -4.8 | -6.5 |
| Other nondurables | 6.5 | 7.5 | 6.3 | 8.4 | 8.6 | 6.1 | 6.8 | 7.3 |
| Services | 70.9 | 78.1 | 74.5 | 76.4 | 78.8 | 77.0 | 80.1 | 82.6 |
| Compensation of employees | 42.1 | 44.8 | 42.7 | 44.0 | 44.7 | 45.1 | 45.5 | 47.8 |
| Other services | 28.8 | 33.2 | 31.8 | 32.3 | 34.1 | 31.9 | 34.7 | 34.9 |
| Structures | 8.5 | 7.9 | 8.3 | 7.5 | 7.9 | 8.6 | 7.6 | 7.8 |
| State and local | 542.8 | 583.9 | 555.9 | 567.5 | 579.4 | 587.6 | 601.2 | 616.1 |
| Durable goods | 26.9 | 29.6 | 27.8 | 28.4 | 29.2 | 30.0 | 30.7 | 31.6 |
| Nondurable goods | 44.1 | 47.3 | 45.0 | 45.3 | 47.0 | 48.1 | 48.8 | 51.3 |
| Services | 409.6 | 440.6 | 420.0 | 428.7 | 436.7 | 444.6 | 452.5 | 461.9 |
| Compensation of employees | 321.7 | 345.0 | 329.9 | 336.4 | 342.1 | 347.8 | 353.6 | 359.7 |
| Other services | 87.9 | 95.7 | 90.2 | 92.2 | 94.6 | 96.8 | 98.9 | 102.1 |
| Structures | 62.2 | 66.4 | 63.1 | 65.2 | 66.4 | 65.0 | 69.2 | 71.4 |

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Government purchases of goods and services | 780.2 | 782.3 | 792.6 | 776.4 | 783.8 | 773.5 | 795.5 | 797.7 |
| Federal | 339.0 | 328.7 | 347.7 | 327.8 | 331.6 | 320.1 | 335.5 | 333.2 |
| National defense | 264.9 | 261.8 | 268.2 | 264.6 | 263.6 | 256.4 | 262.5 | 255.9 |
| Durable goods | 87.9 | 84.1 | 88.4 | 84.9 | 85.1 | 81.2 | 85.0 | 83.1 |
| Nondurable goods | 14.7 | 14.3 | 15.6 | 14.6 | 14.8 | 13.2 | 14.7 | 15.5 |
| Services | 156.4 | 157.8 | 158.0 | 159.9 | 157.8 | 156.4 | 157.4 | 152.2 |
| Compensation of employees | 89.3 | 89.1 | 89.5 | 89.3 | 88.8 | 89.0 | 89.3 | 89.3 |
| Military | 60.2 | 60.1 | 60.3 | 60.1 | 59.9 | 60.0 | 60.2 | 60.1 |
| Civilian | 29.0 | 29.0 | 29.2 | 29.2 | 28.9 | 28.9 | 29.1 | 29.2 |
| Other services | 67.2 | 68.7 | 68.6 | 70.5 | 69.0 | 67.4 | 68.0 | 62.9 |
| Structures | 5.9 | 5.6 | 6.1 | 5.2 | 5.9 | 5.6 | 5.5 | 5.2 |
| Nondefense | 74.1 | 66.9 | 79.5 | 63.2 | 67.9 | 63.7 | 72.9 | 77.3 |
| Durable goods | 4.8 | 5.5 | 5.4 | 5.6 | 5.8 | 5.2 | 5.4 | 5.5 |
| Nondurable goods | 2.5 | -8.5 | 4.9 | -11.1 | -8.6 | -11.0 | -3.4 | 7 |
| Commodity Credit Corporation inventory change | -3.9 | -15.5 | -1.1 | -19.3 | -16.8 | -16.5 | -9.4 | -5.9 |
| Other nondurables | 6.4 | 7.0 | 6.1 | 8.2 | 8.3 | 5.5 | 6.0 | 6.6 |
| Services | 59.2 | 63.2 | 61.8 | 62.2 | 63.9 | 62.1 | 64.5 | 64.5 |
| Compensation of employees | 34.2 | 35.1 | 34.4 | 34.5 | 35.0 | 35.2 | 35.5 | 35.6 |
| Other services | 25.0 | 28.1 | 27.4 | 27.7 | 28.9 | 26.9 | 29.0 | 28.9 |
| Structures | 7.5 | 6.8 | 7.3 | 6.5 | 6.8 | 7.3 | 6.5 | 6.6 |
| State and local | 441.2 | 453.6 | 444.9 | 448.7 | 452.2 | 453.4 | 460.0 | 464.5 |
| Durable goods | 24.4 | 26.2 | 25.1 | 25 | | | | |

Table 3.9.—National Defense Purchases of Goods and Services

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| National defense purchases | 295.3 | 298.4 | 299.2 | 298.4 | 298.8 | 294.3 | 301.9 | 298.7 |
| Durable goods | 89.8 | 84.1 | 88.4 | 83.8 | 84.2 | 81.7 | 86.6 | 84.5 |
| Military equipment | 77.3 | 73.0 | 75.9 | 72.3 | 73.3 | 70.9 | 75.4 | 74.3 |
| Aircraft..... | 33.4 | 29.3 | 33.7 | 29.8 | 29.8 | 27.4 | 29.9 | 27.5 |
| Missiles | 13.0 | 12.6 | 13.3 | 11.7 | 12.8 | 11.7 | 14.2 | 13.7 |
| Ships..... | 8.5 | 8.5 | 8.2 | 8.4 | 7.9 | 8.0 | 9.4 | 10.4 |
| Vehicles..... | 4.8 | 4.1 | 4.6 | 4.5 | 4.2 | 4.2 | 3.6 | 3.7 |
| Electronic equipment | 5.8 | 6.2 | 5.6 | 5.9 | 6.0 | 5.7 | 7.0 | 7.4 |
| Other..... | 11.8 | 12.4 | 10.5 | 12.0 | 12.6 | 13.8 | 11.1 | 11.5 |
| Other durable goods | 12.5 | 11.1 | 12.4 | 11.5 | 11.0 | 10.8 | 11.2 | 10.2 |
| Nondurable goods | 10.5 | 11.0 | 11.3 | 10.8 | 11.4 | 10.7 | 11.3 | 11.4 |
| Petroleum products..... | 4.2 | 4.4 | 5.3 | 4.3 | 4.4 | 4.3 | 4.7 | 5.2 |
| Ammunition..... | 3.8 | 4.0 | 3.6 | 3.8 | 4.5 | 3.7 | 4.0 | 3.8 |
| Other nondurable goods | 2.5 | 2.6 | 2.4 | 2.6 | 2.4 | 2.7 | 2.5 | 2.5 |
| Services | 187.8 | 196.2 | 191.9 | 197.3 | 195.8 | 194.8 | 197.0 | 196.0 |
| Compensation of employees | 108.9 | 112.9 | 110.0 | 112.7 | 112.6 | 112.9 | 113.5 | 118.4 |
| Military | 73.2 | 75.8 | 73.9 | 75.5 | 75.7 | 75.9 | 76.2 | 79.2 |
| Civilian | 35.7 | 37.1 | 36.2 | 37.2 | 37.0 | 37.0 | 37.3 | 39.2 |
| Other services | 78.9 | 83.3 | 81.9 | 84.6 | 83.1 | 81.8 | 83.5 | 77.6 |
| Contractual research and development | 28.5 | 30.5 | 28.4 | 30.6 | 30.2 | 30.1 | 31.0 | 31.0 |
| Installation support ¹ | 22.3 | 24.0 | 23.4 | 24.7 | 23.9 | 23.6 | 23.6 | 21.8 |
| Weapons support ² | 9.0 | 9.2 | 9.3 | 9.3 | 9.2 | 9.2 | 9.1 | 7.9 |
| Personnel support ³ | 11.3 | 11.6 | 11.9 | 11.7 | 11.6 | 11.7 | 11.5 | 10.4 |
| Transportation of materiel | 4.0 | 4.1 | 4.5 | 4.3 | 4.2 | 3.9 | 4.0 | 3.4 |
| Travel of persons..... | 3.8 | 3.9 | 3.9 | 3.7 | 3.9 | 3.9 | 3.9 | 3.1 |
| Other..... | 0 | .1 | .7 | .3 | .1 | -.5 | .3 | 0 |
| Structures | 7.2 | 7.1 | 7.6 | 6.6 | 7.5 | 7.2 | 7.1 | 6.8 |
| Military facilities | 4.9 | 4.7 | 5.3 | 4.2 | 5.0 | 4.9 | 4.6 | 4.3 |
| Other..... | 2.4 | 2.4 | 2.3 | 2.4 | 2.4 | 2.3 | 2.5 | 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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| National defense purchases | 264.9 | 261.8 | 268.2 | 264.6 | 263.6 | 256.4 | 262.5 | 255.9 |
| Durable goods | 87.9 | 84.1 | 88.4 | 84.9 | 85.1 | 81.2 | 85.0 | 83.1 |
| Military equipment | 72.5 | 69.4 | 72.6 | 69.5 | 70.3 | 67.2 | 70.6 | 69.7 |
| Aircraft..... | 30.7 | 28.2 | 31.9 | 29.0 | 28.6 | 26.5 | 28.7 | 26.3 |
| Missiles | 12.8 | 12.7 | 13.7 | 12.2 | 13.3 | 11.5 | 13.6 | 13.5 |
| Ships..... | 7.3 | 7.1 | 7.1 | 7.2 | 6.8 | 6.7 | 7.8 | 8.6 |
| Vehicles..... | 5.1 | 4.4 | 4.9 | 4.7 | 4.5 | 4.4 | 3.9 | 4.1 |
| Electronic equipment | 5.5 | 5.8 | 5.3 | 5.5 | 5.7 | 5.5 | 6.6 | 7.0 |
| Other..... | 11.0 | 11.2 | 9.7 | 10.9 | 11.4 | 12.5 | 9.9 | 10.2 |
| Other durable goods | 15.4 | 14.7 | 15.9 | 15.4 | 14.9 | 14.0 | 14.4 | 13.4 |
| Nondurable goods | 14.7 | 14.3 | 15.6 | 14.6 | 14.8 | 13.2 | 14.7 | 15.5 |
| Petroleum products..... | 8.4 | 7.8 | 9.5 | 8.3 | 7.8 | 6.9 | 8.2 | 9.3 |
| Ammunition..... | 4.0 | 4.3 | 3.9 | 4.1 | 4.9 | 4.0 | 4.3 | 4.1 |
| Other nondurable goods | 2.3 | 2.2 | 2.2 | 2.3 | 2.2 | 2.3 | 2.2 | 2.1 |
| Services | 156.4 | 157.8 | 158.0 | 159.9 | 157.8 | 156.4 | 157.4 | 152.2 |
| Compensation of employees | 89.3 | 89.1 | 89.5 | 89.3 | 88.8 | 89.0 | 89.3 | 89.3 |
| Military..... | 60.2 | 60.1 | 60.3 | 60.1 | 59.9 | 60.0 | 60.2 | 60.1 |
| Civilian | 29.0 | 29.0 | 29.2 | 29.2 | 28.9 | 28.9 | 29.1 | 29.2 |
| Other services | 67.2 | 68.7 | 68.6 | 70.5 | 69.0 | 67.4 | 68.0 | 62.9 |
| Contractual research and development | 24.7 | 25.5 | 24.2 | 25.9 | 25.4 | 25.0 | 25.5 | 25.3 |
| Installation support ¹ | 17.9 | 18.8 | 18.4 | 19.5 | 18.8 | 18.4 | 18.4 | 17.1 |
| Weapons support ² | 7.9 | 7.8 | 8.0 | 8.0 | 7.9 | 7.8 | 7.7 | 6.6 |
| Personnel support ³ | 8.8 | 8.7 | 9.0 | 8.9 | 8.7 | 8.7 | 8.5 | 7.5 |
| Transportation of materiel | 4.2 | 4.2 | 4.6 | 4.4 | 4.3 | 4.0 | 4.0 | 3.4 |
| Travel of persons..... | 3.7 | 3.8 | 3.8 | 3.6 | 3.8 | 3.8 | 3.8 | 2.9 |
| Other..... | 0 | .1 | .5 | .2 | 1 | -.4 | .3 | 0 |
| Structures | 5.9 | 5.6 | 6.1 | 5.2 | 5.9 | 5.6 | 5.5 | 5.2 |
| Military facilities | 3.9 | 3.7 | 4.2 | 3.3 | 4.0 | 3.8 | 3.5 | 3.3 |
| Other..... | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 2.0 | 1.9 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------------|---------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III | |
| Receipts from foreigners | 428.0 | 519.7 | 459.7 | 487.8 | 507.1 | 536.1 | 548.0 | 570.3 |
| Exports of goods and services | 428.0 | 519.7 | 459.7 | 487.8 | 507.1 | 536.1 | 548.0 | 570.3 |
| Merchandise..... | 254.8 | 321.6 | 276.7 | 300.8 | 316.9 | 331.0 | 337.6 | 350.8 |
| Durable goods | 158.3 | 201.3 | 175.0 | 188.2 | 198.4 | 204.8 | 213.8 | 220.2 |
| Nondurable goods..... | 96.4 | 120.2 | 101.7 | 112.5 | 118.5 | 126.1 | 123.7 | 130.6 |
| Services..... | 173.3 | 198.2 | 183.0 | 187.0 | 190.2 | 205.1 | 210.4 | 219.6 |
| Factor income ¹ | 96.1 | 111.9 | 105.1 | 104.7 | 104.2 | 116.1 | 122.5 | 128.6 |
| Other..... | 77.2 | 86.3 | 77.9 | 82.3 | 86.1 | 89.0 | 87.9 | 91.0 |
| Capital grants received by the United States (net) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Payments to foreigners | 428.0 | 519.7 | 459.7 | 487.8 | 507.1 | 536.1 | 548.0 | 570.3 |
| Imports of goods and services | 551.1 | 614.4 | 585.4 | 599.9 | 597.5 | 616.0 | 644.0 | 660.8 |
| Merchandise..... | 413.0 | 449.7 | 438.0 | 441.7 | 439.4 | 448.6 | 469.0 | 476.1 |
| Durable goods..... | 264.5 | 295.2 | 281.8 | 287.5 | 286.6 | 293.4 | 313.2 | 315.7 |
| Nondurable goods..... | 148.5 | 154.5 | 156.2 | 154.2 | 152.7 | 155.2 | 155.8 | 160.4 |
| Services..... | 138.1 | 164.7 | 147.4 | 158.2 | 158.2 | 167.5 | 175.0 | 184.7 |
| Factor income ¹ | 66.6 | 87.0 | 74.1 | 82.3 | 82.9 | 89.3 | 93.5 | 101.7 |
| Other..... | 71.5 | 77.7 | 73.3 | 75.8 | 75.3 | 78.1 | 81.5 | 83.0 |
| Transfer payments (net)..... | 13.5 | 13.9 | 17.6 | 12.7 | 11.8 | 13.3 | 17.6 | 12.8 |
| From persons (net)..... | 1.3 | 1.0 | 1.2 | 1.2 | .8 | .8 | 1.1 | 1.1 |
| From government (net)..... | 12.2 | 12.9 | 16.4 | 11.5 | 11.0 | 12.5 | 16.6 | 11.7 |
| Interest paid by government to foreigners..... | 24.1 | 27.7 | 24.6 | 26.6 | 26.8 | 27.8 | 29.6 | 31.4 |
| Net foreign investment | -160.6 | -136.2 | -167.8 | -151.3 | -129.1 | -121.1 | -143.3 | -134.7 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III | |
| Exports of goods and services | 427.8 | 504.8 | 459.2 | 486.2 | 496.9 | 514.0 | 522.1 | 535.4 |
| Merchandise..... | 280.1 | 341.5 | 304.6 | 329.0 | 339.1 | 345.9 | 351.9 | 359.7 |
| Durable goods..... | 177.3 | 226.4 | 198.8 | 215.4 | 223.1 | 229.4 | 237.8 | 240.8 |
| Nondurable goods..... | 102.8 | 115.0 | 105.8 | 113.6 | 116.0 | 116.5 | 114.2 | 118.9 |
| Services | 147.7 | 163.4 | 154.6 | 157.1 | 157.8 | 168.1 | 170.2 | 175.7 |
| Factor income ¹ | 80.3 | 90.2 | 87.0 | 86.3 | 84.5 | 93.0 | 96.9 | 100.7 |
| Other..... | 67.4 | 73.1 | 67.6 | 70.9 | 73.3 | 75.1 | 73.3 | 75.0 |
| Imports of goods and services | 556.7 | 605.0 | 585.2 | 595.1 | 589.5 | 607.9 | 627.4 | 631.0 |
| Merchandise..... | 439.0 | 469.8 | 461.0 | 463.1 | 459.1 | 470.9 | 486.0 | 483.1 |
| Durable goods..... | 260.2 | 283.2 | 276.9 | 279.1 | 276.3 | 283.5 | 294.1 | 297.0 |
| Nondurable goods..... | 178.8 | 186.6 | 184.1 | 184.1 | 182.8 | 187.4 | 191.9 | 186.1 |
| Services | 117.7 | 135.3 | 124.2 | 132.0 | 130.4 | 137.0 | 141.4 | 147.9 |
| Factor income ¹ | 54.7 | 69.2 | 60.3 | 66.8 | 66.3 | 70.6 | 73.0 | 78.8 |
| Other..... | 63.0 | 66.0 | 63.9 | 65.2 | 64.2 | 66.4 | 68.4 | 69.1 |

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]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Merchandise exports | 254.8 | 321.6 | 276.7 | 300.8 | 316.9 | 331.0 | 337.6 | 350.8 |
| Foods, feeds, and beverages | 24.6 | 33.2 | 25.4 | 30.1 | 32.8 | 36.2 | 33.7 | 37.0 |
| Industrial supplies and materials | 66.5 | 83.0 | 71.0 | 77.8 | 82.1 | 86.0 | 86.2 | 92.0 |
| Durable goods | 20.9 | 27.8 | 22.8 | 24.6 | 28.0 | 28.4 | 30.3 | 32.6 |
| Nondurable goods | 45.6 | 55.2 | 48.1 | 53.3 | 54.1 | 57.6 | 55.9 | 59.4 |
| Capital goods, except autos | 88.1 | 111.6 | 96.5 | 105.4 | 109.2 | 114.1 | 117.8 | 118.6 |
| Autos | 26.3 | 32.6 | 30.5 | 31.7 | 32.2 | 32.2 | 34.4 | 35.2 |
| Consumer goods | 18.0 | 23.8 | 19.3 | 21.2 | 22.8 | 24.9 | 26.2 | 30.0 |
| Durable goods | 7.4 | 10.6 | 8.1 | 9.3 | 10.1 | 11.4 | 11.7 | 14.8 |
| Nondurable goods | 10.5 | 13.2 | 11.1 | 11.9 | 12.8 | 13.5 | 14.4 | 15.2 |
| Other | 31.3 | 37.3 | 34.1 | 34.6 | 37.8 | 37.5 | 39.3 | 38.0 |
| Durable goods ¹ | 15.7 | 18.7 | 17.0 | 17.3 | 18.9 | 18.8 | 19.6 | 19.0 |
| Nondurable goods ¹ | 15.7 | 18.6 | 17.0 | 17.3 | 18.9 | 18.8 | 19.6 | 19.0 |
| Merchandise imports | 413.0 | 449.7 | 438.0 | 441.7 | 439.4 | 448.6 | 469.0 | 476.1 |
| Foods, feeds, and beverages | 24.7 | 25.0 | 25.1 | 26.0 | 23.8 | 25.0 | 25.2 | 25.6 |
| Industrial supplies and materials, excluding petroleum | 66.6 | 77.6 | 72.3 | 76.7 | 75.3 | 77.4 | 80.8 | 84.7 |
| Durable goods | 35.6 | 42.0 | 38.6 | 41.8 | 40.1 | 41.2 | 44.9 | 47.1 |
| Nondurable goods | 31.0 | 35.6 | 33.7 | 35.0 | 35.2 | 36.2 | 36.0 | 37.6 |
| Petroleum and products | 42.9 | 39.4 | 45.2 | 39.8 | 41.1 | 39.4 | 37.2 | 43.0 |
| Capital goods, except autos | 84.8 | 101.4 | 93.2 | 96.4 | 100.7 | 101.9 | 106.5 | 109.2 |
| Autos | 85.2 | 88.1 | 88.7 | 87.4 | 84.5 | 86.4 | 93.8 | 91.2 |
| Consumer goods | 88.7 | 96.4 | 92.0 | 94.2 | 92.8 | 96.1 | 102.4 | 99.6 |
| Durable goods | 49.0 | 52.8 | 50.6 | 51.5 | 50.7 | 52.6 | 56.5 | 56.8 |
| Nondurable goods | 39.7 | 43.6 | 41.4 | 42.8 | 42.1 | 43.4 | 46.0 | 42.8 |
| Other | 20.2 | 21.9 | 21.4 | 21.1 | 21.1 | 22.4 | 23.0 | 22.8 |
| Durable goods ¹ | 10.1 | 11.0 | 10.7 | 10.5 | 10.6 | 11.2 | 11.5 | 11.4 |
| Nondurable goods ¹ | 10.1 | 11.0 | 10.7 | 10.5 | 10.6 | 11.2 | 11.5 | 11.4 |
| Addenda: | | | | | | | | |
| Exports of agricultural products ² | 29.5 | 38.7 | 30.5 | 36.1 | 38.5 | 41.6 | 38.5 | 41.9 |
| Exports of nonagricultural products | 225.3 | 282.9 | 246.2 | 264.7 | 278.4 | 289.4 | 299.0 | 308.8 |
| Imports of nonpetroleum products | 370.1 | 410.3 | 392.8 | 401.9 | 398.3 | 409.2 | 431.8 | 433.2 |

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.

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

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Merchandise exports | 280.1 | 341.5 | 304.6 | 329.0 | 339.1 | 345.9 | 351.9 | 359.7 |
| Foods, feeds, and beverages | 29.9 | 33.3 | 30.5 | 34.1 | 34.9 | 33.2 | 31.2 | 33.8 |
| Industrial supplies and materials | 69.7 | 79.8 | 72.0 | 76.9 | 79.4 | 81.3 | 81.5 | 85.6 |
| Durable goods | 21.9 | 26.7 | 23.2 | 24.3 | 27.1 | 26.8 | 28.6 | 30.3 |
| Nondurable goods | 47.8 | 53.1 | 48.9 | 52.6 | 52.3 | 54.4 | 52.9 | 55.3 |
| Capital goods, except autos | 109.5 | 144.2 | 124.5 | 138.0 | 140.6 | 147.1 | 150.9 | 149.7 |
| Autos | 23.2 | 28.5 | 26.8 | 27.9 | 28.3 | 28.0 | 29.7 | 30.3 |
| Consumer goods | 16.7 | 21.2 | 17.6 | 19.1 | 20.5 | 22.2 | 23.1 | 26.3 |
| Durable goods | 7.3 | 9.8 | 7.8 | 8.8 | 9.4 | 10.4 | 10.7 | 13.4 |
| Nondurable goods | 9.5 | 11.4 | 9.8 | 10.3 | 11.1 | 11.8 | 12.4 | 12.9 |
| Other | 31.0 | 34.5 | 33.2 | 33.0 | 35.4 | 34.1 | 35.5 | 34.0 |
| Durable goods ¹ | 15.5 | 17.3 | 16.6 | 16.5 | 17.7 | 17.0 | 17.8 | 17.0 |
| Nondurable goods ¹ | 15.5 | 17.3 | 16.6 | 16.5 | 17.7 | 17.0 | 17.8 | 17.0 |
| Merchandise imports | 439.0 | 469.8 | 461.0 | 463.1 | 459.1 | 470.9 | 486.0 | 483.1 |
| Foods, feeds, and beverages | 23.9 | 22.8 | 23.7 | 23.8 | 21.7 | 22.7 | 22.8 | 23.1 |
| Industrial supplies and materials, excluding petroleum | 74.2 | 74.7 | 77.0 | 77.1 | 72.8 | 73.7 | 75.3 | 77.7 |
| Durable goods | 39.8 | 40.5 | 41.1 | 42.0 | 38.8 | 39.3 | 41.8 | 43.2 |
| Nondurable goods | 34.5 | 34.3 | 35.9 | 35.1 | 34.0 | 34.4 | 33.5 | 34.5 |
| Petroleum and products | 77.9 | 86.4 | 81.4 | 82.2 | 85.4 | 87.1 | 90.7 | 86.3 |
| Capital goods, except autos | 99.4 | 122.3 | 112.2 | 116.4 | 121.5 | 125.0 | 126.3 | 130.4 |
| Autos | 68.1 | 67.1 | 69.9 | 67.7 | 64.8 | 65.9 | 69.9 | 67.7 |
| Consumer goods | 77.1 | 78.1 | 77.8 | 77.6 | 75.0 | 77.7 | 82.1 | 79.2 |
| Durable goods | 43.8 | 44.1 | 44.1 | 43.8 | 42.2 | 44.0 | 46.6 | 46.4 |
| Nondurable goods | 33.4 | 34.0 | 33.7 | 33.8 | 32.8 | 33.8 | 35.6 | 32.8 |
| Other | 18.3 | 18.4 | 18.9 | 18.1 | 17.8 | 18.8 | 18.9 | 18.7 |
| Durable goods ¹ | 9.2 | 9.2 | 9.5 | 9.1 | 8.9 | 9.4 | 9.4 | 9.4 |
| Nondurable goods ¹ | 9.2 | 9.2 | 9.5 | 9.1 | 8.9 | 9.4 | 9.4 | 9.4 |
| Addenda: | | | | | | | | |
| Exports of agricultural products ² | 34.9 | 38.2 | 35.2 | 39.3 | 39.8 | 37.9 | 35.6 | 38.4 |
| Exports of nonagricultural products | 245.2 | 303.3 | 269.4 | 289.7 | 299.3 | 308.0 | 316.3 | 321.3 |
| Imports of nonpetroleum products | 361.1 | 383.4 | 379.6 | 380.9 | 373.7 | 383.8 | 395.4 | 396.8 |

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.

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

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|---------------|--------------|-------------------------------------|--------------|--------------|--------------|---------------|--------------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Gross saving | 560.4 | 644.6 | 603.4 | 627.0 | 634.1 | 665.4 | 651.9 | |
| Gross private saving | 665.3 | 731.8 | 714.1 | 726.3 | 711.2 | 732.9 | 756.7 | |
| Personal saving | 104.2 | 144.3 | 144.0 | 149.9 | 127.8 | 145.7 | 153.8 | 211.9 |
| Undistributed corporate profits with inventory valuation and capital consumption adjustments | 81.1 | 81.1 | 80.5 | 78.1 | 80.1 | 79.5 | 86.8 | |
| Undistributed profits | 47.4 | 59.4 | 46.4 | 48.1 | 59.6 | 63.4 | 66.4 | |
| Inventory valuation adjustment | -18.0 | -23.8 | -18.2 | -19.4 | -27.4 | -29.3 | -19.2 | -33.6 |
| Capital consumption adjustment | 51.7 | 45.6 | 52.4 | 49.4 | 48.0 | 45.4 | 39.6 | 33.3 |
| Corporate capital consumption allowances with capital consumption adjustment | 297.5 | 315.7 | 303.7 | 309.8 | 313.3 | 316.8 | 323.0 | 328.2 |
| Noncorporate capital consumption allowances with capital consumption adjustment | 182.5 | 190.6 | 185.8 | 188.5 | 189.9 | 190.9 | 193.1 | 196.4 |
| Wage accruals less disbursements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Government surplus or deficit (-), national income and product accounts | -104.9 | -87.2 | -110.7 | -99.2 | -77.1 | -67.5 | -104.8 | |
| Federal | -157.8 | -142.3 | -160.4 | -155.1 | -133.3 | -123.5 | -157.5 | |
| State and local | 52.9 | 55.2 | 49.7 | 55.8 | 56.2 | 56.0 | 52.6 | |
| Capital grants received by the United States (net) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross investment | 552.3 | 630.3 | 597.0 | 612.0 | 629.0 | 651.4 | 628.7 | 681.2 |
| Gross private domestic investment | 712.9 | 766.5 | 764.9 | 763.4 | 758.1 | 772.5 | 772.0 | 815.9 |
| Net foreign investment | -160.6 | -136.2 | -167.8 | -151.3 | -129.1 | -121.1 | -143.3 | -134.7 |
| Statistical discrepancy | -8.1 | -14.3 | -6.4 | -15.0 | -5.1 | -14.0 | -23.2 | |

Table 5.8.—Change in Business Inventories by Industry

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|-------|-------|-------------------------------------|-------|-------|-------|-------|-------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Change in business inventories | 39.2 | 48.4 | 72.0 | 65.3 | 43.7 | 49.7 | 34.7 | 61.8 |
| Farm..... | -1.5 | 6.1 | -8 | 15.9 | 10.6 | 7.8 | -9.8 | 18.5 |
| Nonfarm..... | 40.7 | 42.2 | 72.8 | 49.4 | 33.1 | 41.9 | 44.6 | 43.3 |
| Change in book value..... | 64.5 | 77.6 | 96.9 | 78.1 | 74.7 | 83.8 | 73.8 | 95.5 |
| Inventory valuation adjustment ¹ | -23.8 | -35.4 | -24.1 | -28.7 | -41.6 | -41.9 | -29.2 | -52.2 |
| Manufacturing..... | 6.1 | 10.6 | 14.8 | 15.4 | 6.3 | 6.9 | 13.8 | 7.0 |
| Durable goods..... | 4.6 | 9.7 | 11.7 | 9.6 | 6.7 | 8.5 | 13.8 | 13.0 |
| Nondurable goods..... | 1.5 | 1.0 | 3.2 | 5.8 | -4 | -1.6 | 0 | -6.0 |
| Wholesale trade..... | 7.4 | 10.0 | 22.0 | 24.6 | -4 | 11.1 | 4.9 | 6.6 |
| Durable goods..... | 5.3 | 8.2 | 15.4 | 21.2 | -7.9 | 16.8 | 2.9 | 10.3 |
| Nondurable goods..... | 2.1 | 1.8 | 6.6 | 3.4 | 7.5 | -5.7 | 2.0 | -3.7 |
| Merchant wholesalers..... | 7.2 | 8.6 | 20.1 | 22.6 | .3 | 8.2 | 3.1 | 3.3 |
| Durable goods..... | 4.8 | 6.7 | 13.6 | 19.3 | -7.8 | 14.7 | .6 | 8.4 |
| Nondurable goods..... | 2.3 | 1.9 | 6.5 | 3.3 | 8.1 | -6.5 | 2.6 | -5.0 |
| Nonmerchant wholesalers..... | 2 | 1.5 | 1.8 | 2.0 | -7 | 2.8 | 1.8 | 3.3 |
| Durable goods..... | .5 | 1.5 | 1.8 | 1.9 | -1 | 2.1 | 2.4 | 1.9 |
| Nondurable goods..... | -3 | -1 | .1 | .2 | -6 | .8 | -6 | 1.3 |
| Retail trade..... | 21.3 | 11.3 | 28.2 | 1.2 | 15.6 | 13.3 | 15.0 | 19.5 |
| Durable goods..... | 14.6 | 8.5 | 21.9 | -7.0 | 14.5 | 14.4 | 12.2 | 14.0 |
| Automotive..... | 10.6 | 4.9 | 15.1 | -11.6 | 12.7 | 10.1 | 8.7 | 13.6 |
| Other..... | 4.0 | 3.6 | 6.8 | 4.6 | 1.8 | 4.4 | 3.5 | 4 |
| Nondurable goods..... | 6.7 | 2.7 | 6.2 | 8.2 | 1.1 | -1.1 | 2.8 | 5.6 |
| Other..... | 5.9 | 10.3 | 7.8 | 8.2 | 11.6 | 10.7 | 10.8 | 10.2 |
| Durable goods..... | 2.0 | 4.5 | 1.4 | 2.9 | 4.5 | 5.4 | 5.2 | 5.7 |
| Nondurable goods..... | 3.9 | 5.8 | 6.4 | 5.3 | 7.0 | 5.3 | 5.6 | 4.5 |

1. The inventory valuation adjustment (IVA) shown in this table differs from the IVA that adjusts business incomes. The IVA in this table reflects the mix of methods (first-in, first-out; last-in, first-out, etc.) underlying book value inventories derived primarily from Census Bureau statistics. This mix differs from that underlying business income derived primarily from Internal Revenue Service statistics.

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

[Billions of dollars]

| | Seasonally adjusted quarterly totals | | | | | | |
|---|--------------------------------------|-------|-------|---------|---------|---------|--|
| | 1987 | 1988 | | | | 1989 | |
| | IV | I | II | III | IV | I | |
| Inventories¹ | 941.5 | 965.2 | 992.3 | 1,015.8 | 1,035.6 | 1,066.6 | |
| Farm..... | 68.8 | 72.6 | 78.7 | 81.8 | 81.2 | 86.0 | |
| Nonfarm..... | 872.8 | 892.6 | 913.6 | 934.0 | 954.4 | 980.6 | |
| Durable goods..... | 513.3 | 523.5 | 533.3 | 549.0 | 563.6 | 581.5 | |
| Nondurable goods..... | 359.5 | 369.1 | 380.2 | 385.0 | 390.8 | 399.1 | |
| Manufacturing..... | 346.2 | 353.4 | 360.4 | 366.0 | 372.7 | 381.3 | |
| Durable goods..... | 231.9 | 236.1 | 240.6 | 244.8 | 250.9 | 258.0 | |
| Nondurable goods..... | 114.3 | 117.3 | 119.7 | 121.3 | 121.8 | 123.2 | |
| Wholesale trade..... | 201.0 | 209.3 | 213.6 | 219.5 | 222.5 | 228.1 | |
| Durable goods..... | 130.6 | 137.0 | 136.4 | 141.9 | 144.3 | 148.8 | |
| Nondurable goods..... | 70.5 | 72.3 | 77.2 | 77.6 | 78.2 | 79.2 | |
| Merchant wholesalers..... | 175.2 | 182.7 | 186.7 | 191.8 | 194.1 | 198.0 | |
| Durable goods..... | 115.0 | 120.8 | 120.1 | 124.8 | 126.4 | 130.2 | |
| Nondurable goods..... | 60.2 | 61.9 | 66.7 | 67.0 | 67.7 | 67.8 | |
| Nonmerchant wholesalers..... | 25.8 | 26.7 | 26.9 | 27.7 | 28.4 | 30.1 | |
| Durable goods..... | 15.6 | 16.2 | 16.4 | 17.0 | 17.8 | 18.6 | |
| Nondurable goods..... | 10.2 | 10.5 | 10.5 | 10.7 | 10.6 | 11.5 | |
| Retail trade..... | 213.7 | 215.2 | 221.5 | 226.7 | 232.5 | 240.0 | |
| Durable goods..... | 109.4 | 108.0 | 112.3 | 116.6 | 120.8 | 125.2 | |
| Automotive..... | 56.7 | 53.8 | 57.2 | 60.0 | 62.8 | 66.5 | |
| Other..... | 52.7 | 54.2 | 55.1 | 56.6 | 58.0 | 58.7 | |
| Nondurable goods..... | 104.3 | 107.2 | 109.1 | 110.1 | 111.7 | 114.8 | |
| Other..... | 111.7 | 114.7 | 118.1 | 121.8 | 126.6 | 131.2 | |
| Final sales² | 325.1 | 330.2 | 339.5 | 344.6 | 352.3 | 358.5 | |
| Final sales of goods and structures ² | 185.6 | 187.8 | 194.0 | 196.5 | 201.0 | 204.5 | |
| Ratio of inventories to final sales | | | | | | | |
| Inventories to final sales..... | 2.90 | 2.92 | 2.92 | 2.95 | 2.94 | 2.98 | |
| Nonfarm inventories to final sales..... | 2.68 | 2.70 | 2.69 | 2.71 | 2.71 | 2.74 | |
| Nonfarm inventories to final sales of goods and structures..... | 4.70 | 4.75 | 4.71 | 4.75 | 4.75 | 4.79 | |

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this table is not the current-dollar change in business inventories (CBI) component of GNP. The former is the difference between two inventory stocks, each valued at their respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates, whereas CBI is stated at annual rates.

2. Quarterly totals at monthly rates. Business final sales equals final sales less gross product of households and institutions, government, and rest of the world, and includes a small amount of final sales by farms

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

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|------|------|-------------------------------------|-------|------|------|------|------|
| | | | 1987 | | 1988 | | | 1989 |
| | | | IV | I | II | III | IV | I |
| Change in business inventories | 34.4 | 42.5 | 67.1 | 66.0 | 35.3 | 39.5 | 29.1 | 53.8 |
| Farm..... | -2.5 | 2.5 | -1.1 | 14.1 | 5.3 | -8 | -8.5 | 12.6 |
| Nonfarm..... | 36.9 | 40.0 | 68.2 | 51.9 | 30.1 | 40.4 | 37.6 | 41.1 |
| Manufacturing..... | 5.2 | 9.6 | 14.4 | 15.8 | 5.8 | 5.7 | 11.2 | 6.2 |
| Durable goods..... | 4.1 | 8.8 | 10.6 | 8.7 | 6.2 | 8.0 | 12.3 | 11.3 |
| Nondurable goods..... | 1.1 | .8 | 3.8 | 7.1 | -4 | -2.3 | -1.1 | -5.1 |
| Wholesale trade..... | 5.8 | 9.5 | 19.4 | 24.9 | -1.2 | 11.2 | 3.2 | 7.4 |
| Durable goods..... | 4.9 | 7.3 | 14.1 | 18.2 | -6.8 | 15.1 | 2.9 | 8.8 |
| Nondurable goods..... | .9 | 2.2 | 5.3 | 6.7 | 5.7 | -3.9 | .3 | -1.4 |
| Merchant wholesalers..... | 5.8 | 8.2 | 18.1 | 22.7 | 0 | 8.1 | 2.2 | 2.9 |
| Durable goods..... | 4.4 | 5.8 | 12.5 | 16.4 | -6.8 | 13.1 | .6 | 7.1 |
| Nondurable goods..... | 1.4 | 2.4 | 5.6 | 6.3 | 6.7 | -5.1 | 1.6 | -4.2 |
| Nonmerchant wholesalers..... | 0 | 1.3 | 1.3 | 2.2 | -1.1 | 3.2 | 1.0 | 4.5 |
| Durable goods..... | .5 | 1.5 | 1.7 | 1.8 | -1 | 2.0 | 2.3 | 1.8 |
| Nondurable goods..... | -5 | -2 | -4 | .4 | -1.1 | 1.2 | -1.3 | 2.7 |
| Retail trade..... | 19.2 | 9.9 | 25.1 | 1.5 | 13.7 | 11.7 | 12.9 | 16.7 |
| Durable goods..... | 13.1 | 7.5 | 19.5 | -5.9 | 12.7 | 12.7 | 10.5 | 11.9 |
| Automotive..... | 9.3 | 4.3 | 13.2 | -10.1 | 11.0 | 8.7 | 7.5 | 11.5 |
| Other..... | 3.7 | 3.2 | 6.3 | 4.2 | 1.7 | 4.0 | 3.0 | .3 |
| Nondurable goods..... | 6.1 | 2.4 | 5.6 | 7.4 | 1.0 | -1.0 | 2.4 | 4.8 |
| Other..... | 6.7 | 10.9 | 9.3 | 9.7 | 11.8 | 11.8 | 10.3 | 10.9 |
| Durable goods..... | 1.9 | 3.9 | 1.3 | 2.5 | 3.9 | 4.7 | 4.4 | 4.8 |
| Nondurable goods..... | 4.9 | 7.0 | 8.0 | 7.2 | 7.9 | 7.1 | 5.9 | 6.1 |

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

[Billions of 1982 dollars]

| | Seasonally adjusted quarterly totals | | | | | | |
|---|--------------------------------------|-------|-------|-------|-------|-------|--|
| | 1987 | 1988 | | | | 1989 | |
| | IV | I | II | III | IV | I | |
| Inventories¹ | 883.2 | 899.7 | 908.5 | 918.4 | 925.7 | 939.1 | |
| Farm..... | 70.2 | 73.7 | 75.0 | 74.8 | 72.7 | 75.8 | |
| Nonfarm..... | 813.0 | 826.0 | 833.5 | 843.6 | 853.0 | 863.3 | |
| Durable goods..... | 461.3 | 467.1 | 471.1 | 481.2 | 488.8 | 498.0 | |
| Nondurable goods..... | 351.7 | 358.8 | 362.4 | 362.4 | 364.2 | 365.3 | |
| Manufacturing..... | 322.3 | 326.3 | 327.7 | 329.1 | 332.0 | 333.5 | |
| Durable goods..... | 210.2 | 212.4 | 213.9 | 215.9 | 219.0 | 221.8 | |
| Nondurable goods..... | 112.2 | 113.9 | 113.8 | 113.2 | 113.0 | 111.7 | |
| Wholesale trade..... | 187.2 | 193.4 | 193.1 | 195.9 | 196.7 | 198.6 | |
| Durable goods..... | 117.4 | 122.0 | 120.3 | 124.0 | 124.8 | 127.0 | |
| Nondurable goods..... | 69.8 | 71.4 | 72.9 | 71.9 | 72.0 | 71.6 | |
| Merchant wholesalers..... | 161.2 | 166.9 | 166.9 | 168.9 | 169.5 | 170.2 | |
| Durable goods..... | 103.5 | 107.6 | 105.9 | 109.2 | 109.3 | 111.1 | |
| Nondurable goods..... | 57.8 | 59.3 | 61.0 | 59.8 | 60.2 | 59.1 | |
| Nonmerchant wholesalers..... | 26.0 | 26.5 | 26.2 | 27.0 | 27.3 | 28.4 | |
| Durable goods..... | 14.0 | 14.4 | 14.4 | 14.9 | 15.5 | 15.9 | |
| Nondurable goods..... | 12.0 | 12.1 | 11.8 | 12.1 | 11.8 | 12.5 | |
| Retail trade..... | 191.3 | 191.7 | 195.1 | 198.1 | 201.3 | 205.5 | |
| Durable goods..... | 97.2 | 95.8 | 98.9 | 102.1 | 104.7 | 107.7 | |
| Automotive..... | 49.2 | 46.7 | 49.5 | 51.6 | 53.5 | 56.4 | |
| Other..... | 48.0 | 49.0 | 49.5 | 50.5 | 51.2 | 51.3 | |
| Nondurable goods..... | 94.1 | 95.9 | 96.2 | 95.9 | 96.5 | 97.7 | |
| Other..... | 112.1 | 114.6 | 117.5 | 120.5 | 123.0 | 125.8 | |
| Final sales² | 277.2 | 280.4 | 285.3 | 286.3 | 288.8 | 291.3 | |
| Final sales of goods and structures ² | 169.5 | 171.4 | 175.3 | 175.6 | 177.1 | 179.3 | |
| Ratio of inventories to final sales | | | | | | | |
| Inventories to final sales..... | 3.19 | 3.21 | 3.18 | 3.21 | 3.21 | 3.22 | |
| Nonfarm inventories to final sales..... | 2.93 | 2.95 | 2.92 | 2.95 | 2.95 | 2.96 | |
| Nonfarm inventories to final sales of goods and structures..... | 4.80 | 4.82 | 4.75 | 4.80 | 4.82 | 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 5.12.—Fixed Investment by Type

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Fixed investment | 673.7 | 718.1 | 692.9 | 698.1 | 714.4 | 722.8 | 737.2 | 754.2 |
| Nonresidential | 446.8 | 488.4 | 464.1 | 471.5 | 487.8 | 493.7 | 500.6 | 516.5 |
| Structures..... | 139.5 | 142.8 | 147.7 | 140.1 | 142.3 | 143.8 | 145.0 | 149.4 |
| Nonresidential buildings, excluding farm..... | 92.6 | 94.2 | 96.6 | 93.3 | 95.7 | 93.5 | 94.4 | 98.7 |
| Public utilities..... | 28.4 | 30.3 | 30.8 | 27.7 | 28.8 | 32.1 | 32.5 | 32.9 |
| Mining exploration, shafts, and wells..... | 13.9 | 14.5 | 15.8 | 15.1 | 14.3 | 14.6 | 14.0 | 14.2 |
| Other..... | 4.5 | 3.8 | 4.6 | 4.0 | 3.5 | 3.6 | 4.1 | 3.7 |
| Producers' durable equipment..... | 307.3 | 345.6 | 316.3 | 331.3 | 345.5 | 349.9 | 355.6 | 367.0 |
| Information processing and related equipment..... | 101.2 | 111.0 | 102.8 | 107.0 | 111.5 | 112.9 | 112.4 | 114.0 |
| Industrial equipment..... | 70.6 | 82.9 | 74.2 | 77.2 | 81.3 | 83.8 | 89.3 | 97.1 |
| Transportation and related equipment..... | 67.8 | 77.5 | 68.5 | 74.2 | 78.7 | 79.0 | 78.1 | 77.3 |
| Other..... | 67.6 | 74.2 | 70.9 | 73.0 | 74.0 | 74.1 | 75.8 | 78.7 |
| Residential | 226.9 | 229.7 | 228.8 | 226.6 | 226.5 | 229.1 | 236.6 | 237.7 |
| Single-family structures..... | 114.5 | 117.1 | 117.3 | 116.5 | 116.2 | 115.4 | 120.4 | 121.6 |
| Multifamily structures..... | 25.5 | 21.3 | 24.1 | 22.1 | 20.7 | 21.2 | 21.0 | 22.5 |
| Other..... | 87.0 | 91.3 | 87.4 | 87.9 | 89.6 | 92.6 | 95.2 | 93.6 |

Table 5.13.—Fixed Investment by Type in Constant Dollars

[Billions of 1982 dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|--|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Fixed investment | 640.4 | 679.3 | 657.6 | 662.9 | 679.7 | 686.6 | 688.0 | 697.6 |
| Nonresidential | 445.1 | 487.5 | 464.8 | 473.4 | 490.2 | 495.0 | 491.4 | 502.8 |
| Structures..... | 125.5 | 125.1 | 132.1 | 124.0 | 125.0 | 125.8 | 125.5 | 127.9 |
| Nonresidential buildings, excluding farm..... | 77.1 | 76.4 | 79.4 | 76.1 | 78.0 | 75.7 | 75.8 | 78.4 |
| Public utilities..... | 25.7 | 26.6 | 27.6 | 24.6 | 25.4 | 28.1 | 28.2 | 28.3 |
| Mining exploration, shafts, and wells..... | 18.8 | 18.9 | 21.1 | 19.8 | 18.7 | 19.0 | 18.1 | 18.1 |
| Other..... | 3.9 | 3.2 | 4.0 | 3.4 | 2.9 | 3.0 | 3.4 | 3.0 |
| Producers' durable equipment..... | 319.6 | 362.4 | 332.7 | 349.4 | 365.1 | 369.2 | 365.9 | 374.9 |
| Information processing and related equipment..... | 139.4 | 162.7 | 147.0 | 155.9 | 165.0 | 167.4 | 162.4 | 165.3 |
| Industrial equipment..... | 61.4 | 69.0 | 63.4 | 65.2 | 68.0 | 69.9 | 73.0 | 78.3 |
| Transportation and related equipment..... | 59.1 | 66.7 | 59.8 | 64.9 | 68.3 | 68.0 | 65.7 | 64.9 |
| Other..... | 59.7 | 64.0 | 62.5 | 63.4 | 63.8 | 63.9 | 64.8 | 66.4 |
| Residential | 195.2 | 191.8 | 192.7 | 189.5 | 189.6 | 191.6 | 196.6 | 194.8 |
| Single-family structures..... | 97.5 | 96.7 | 97.3 | 96.2 | 96.3 | 95.5 | 98.9 | 98.5 |
| Multifamily structures..... | 21.7 | 17.6 | 20.0 | 18.2 | 17.2 | 17.5 | 17.3 | 18.2 |
| Other..... | 76.0 | 77.6 | 75.4 | 75.2 | 76.1 | 78.6 | 80.4 | 78.2 |

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

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III | |
| National income without capital consumption adjustment | 3,644.4 | 3,943.4 | 3,768.3 | 3,821.4 | 3,901.1 | 3,975.6 | 4,075.6 | |
| Domestic industries | 3,614.9 | 3,918.6 | 3,737.3 | 3,799.1 | 3,879.8 | 3,948.9 | 4,046.6 | |
| Private industries | 3,085.7 | 3,355.2 | 3,196.8 | 3,246.7 | 3,320.2 | 3,381.8 | 3,471.9 | |
| Agriculture, forestry, and fisheries..... | 88.2 | 82.8 | 92.6 | 90.9 | 90.2 | 77.3 | 72.9 | |
| Mining..... | 31.0 | 35.9 | 35.2 | 35.3 | 36.1 | 36.5 | 35.7 | |
| Construction..... | 196.7 | 211.6 | 200.1 | 203.4 | 210.0 | 214.0 | 219.1 | |
| Manufacturing..... | 727.4 | 786.4 | 747.6 | 766.4 | 780.0 | 788.0 | 811.4 | |
| Durable goods..... | 419.4 | 447.8 | 420.6 | 432.7 | 445.9 | 450.4 | 462.1 | |
| Nondurable goods..... | 308.0 | 338.7 | 327.0 | 333.7 | 334.1 | 337.7 | 349.3 | |
| Transportation and public utilities..... | 276.8 | 299.9 | 285.8 | 286.4 | 296.8 | 304.0 | 312.4 | |
| Transportation..... | 120.7 | 131.0 | 124.4 | 124.8 | 129.4 | 133.0 | 136.8 | |
| Communication..... | 76.3 | 80.9 | 78.4 | 77.3 | 80.1 | 82.3 | 83.7 | |
| Electric, gas, and sanitary services..... | 79.9 | 88.1 | 83.1 | 84.2 | 87.3 | 88.8 | 91.9 | |
| Wholesale trade..... | 213.6 | 230.8 | 219.8 | 225.0 | 224.8 | 231.0 | 242.4 | |
| Retail trade..... | 316.2 | 339.8 | 324.6 | 331.4 | 336.5 | 342.6 | 348.8 | |
| Finance, insurance, and real estate..... | 524.0 | 577.1 | 545.9 | 553.6 | 567.2 | 585.1 | 602.5 | |
| Services..... | 711.6 | 790.8 | 745.1 | 754.4 | 778.7 | 803.2 | 826.6 | |
| Government and government enterprises | 529.2 | 563.4 | 540.5 | 552.3 | 559.6 | 567.1 | 574.7 | |
| Rest of the world | 29.5 | 24.9 | 31.0 | 22.4 | 21.3 | 26.8 | 29.0 | |

Table 6.18B.—Corporate Profits by Industry

[Billions of dollars]

| | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | |
|---|--------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III | |
| Corporate profits with inventory valuation and capital consumption adjustments | 310.4 | 328.4 | 316.1 | 316.2 | 326.5 | 330.0 | 340.9 | |
| Domestic industries | 274.0 | 291.3 | 274.6 | 286.0 | 291.1 | 289.2 | 298.8 | |
| Financial..... | 36.5 | 38.6 | 36.2 | 35.4 | 38.5 | 41.0 | 39.4 | |
| Nonfinancial..... | 237.5 | 252.7 | 238.4 | 250.6 | 252.6 | 248.2 | 259.4 | |
| Rest of the world | 36.4 | 37.1 | 41.4 | 30.2 | 35.4 | 40.8 | 42.1 | |
| Corporate profits with inventory valuation adjustment | 258.7 | 282.8 | 263.7 | 266.8 | 278.5 | 284.6 | 301.3 | |
| Domestic industries | 222.3 | 245.7 | 222.2 | 236.6 | 243.1 | 243.8 | 259.2 | |
| Financial..... | 30.1 | 30.5 | 28.8 | 27.6 | 30.0 | 32.7 | 31.8 | |
| Federal Reserve banks..... | 16.0 | 18.1 | 16.2 | 17.5 | 17.4 | 18.2 | 19.2 | |
| Other..... | 14.1 | 12.4 | 12.6 | 10.1 | 12.6 | 14.5 | 12.6 | |
| Nonfinancial..... | 192.1 | 215.1 | 193.4 | 209.0 | 213.1 | 211.1 | 227.4 | |
| Manufacturing..... | 96.8 | 114.1 | 101.7 | 110.6 | 114.5 | 111.4 | 120.1 | |
| Durable goods..... | 36.5 | 39.0 | 29.4 | 33.9 | 41.5 | 39.0 | 41.5 | |
| Primary metal industries..... | 1.4 | 4.7 | 2.6 | 3.2 | 5.1 | 5.2 | 5.3 | |
| Fabricated metal products..... | 5.7 | 6.9 | 6.7 | 8.0 | 7.5 | 5.4 | 6.8 | |
| Machinery, except electrical..... | 3.2 | 4.2 | 1.7 | 3.3 | 5.3 | 5.9 | 2.3 | |
| Electric and electronic equipment..... | 3.2 | 3.7 | -8.1 | 1.2 | 4.1 | 4.4 | 5.2 | |
| Motor vehicles and equipment..... | 7.3 | 5.5 | 4.5 | 4.2 | 4.6 | 5.8 | 7.6 | |
| Other..... | 15.7 | 13.8 | 14.6 | 14.0 | 14.7 | 12.4 | 14.3 | |
| Nondurable goods..... | 60.3 | 75.2 | 72.4 | 76.8 | 73.0 | 72.3 | 78.6 | |
| Food and kindred products..... | 12.8 | 16.8 | 14.9 | 15.9 | 17.5 | 15.9 | 17.7 | |
| Chemicals and allied products..... | 13.5 | 20.2 | 15.3 | 19.1 | 18.6 | 18.4 | 25.0 | |
| Petroleum and coal products..... | 12.2 | 16.8 | 18.8 | 17.4 | 14.8 | 16.8 | 18.0 | |
| Other..... | 21.9 | 21.4 | 23.4 | 24.5 | 22.1 | 21.2 | 17.9 | |
| Transportation and public utilities..... | 34.9 | 38.6 | 36.1 | 34.5 | 38.2 | 39.3 | 42.4 | |
| Wholesale and retail trade..... | 42.8 | 39.7 | 43.0 | 43.9 | 37.0 | 36.6 | 41.3 | |
| Other..... | 17.6 | 22.7 | 12.6 | 20.0 | 23.4 | 23.8 | 23.6 | |
| Rest of the world | 36.4 | 37.1 | 41.4 | 30.2 | 35.4 | 40.8 | 42.1 | |

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Gross national product | 119.1 | 124.1 | 120.8 | 121.8 | 123.3 | 124.9 | 126.2 | 127.8 |
| Personal consumption expenditures | 120.4 | 125.6 | 122.5 | 123.2 | 124.9 | 126.5 | 127.9 | 129.5 |
| Durable goods | 109.7 | 112.5 | 111.0 | 111.4 | 111.9 | 112.8 | 113.9 | 114.6 |
| Nondurable goods | 112.6 | 117.2 | 114.3 | 114.6 | 116.7 | 118.2 | 119.4 | 120.8 |
| Services | 129.0 | 135.2 | 131.5 | 132.6 | 134.4 | 136.0 | 137.8 | 139.7 |
| Gross private domestic investment | | | | | | | | |
| Fixed investment | 108.8 | 111.6 | 109.9 | 110.8 | 111.3 | 111.6 | 112.7 | 114.0 |
| Nonresidential | 106.8 | 109.3 | 107.5 | 108.3 | 109.0 | 109.4 | 110.6 | 111.8 |
| Structures | 105.1 | 108.3 | 106.4 | 107.5 | 107.8 | 108.5 | 109.4 | 110.6 |
| Producers' durable equipment | 107.9 | 110.0 | 108.1 | 108.9 | 109.8 | 110.0 | 111.3 | 112.6 |
| Residential | 115.9 | 119.5 | 118.3 | 119.2 | 119.3 | 119.4 | 120.1 | 121.8 |
| Change in business inventories | | | | | | | | |
| Net exports of goods and services | | | | | | | | |
| Exports | 106.0 | 111.5 | 107.0 | 108.7 | 110.5 | 113.0 | 113.7 | 115.0 |
| Imports | 100.8 | 105.1 | 103.0 | 103.9 | 105.3 | 105.4 | 106.2 | 108.4 |
| Government purchases of goods and services | 119.6 | 124.9 | 121.2 | 122.9 | 124.3 | 125.7 | 126.6 | 128.9 |
| Federal | 113.5 | 117.8 | 114.4 | 116.3 | 117.2 | 118.5 | 118.9 | 121.7 |
| National defense | 114.0 | 117.6 | 114.8 | 116.6 | 117.4 | 118.0 | 118.4 | 121.0 |
| Nondefense | 112.1 | 118.2 | 113.6 | 115.7 | 116.9 | 119.7 | 120.2 | 123.6 |
| State and local | 124.1 | 130.2 | 126.1 | 127.8 | 129.5 | 131.0 | 132.3 | 134.3 |
| Addenda: | | | | | | | | |
| Final sales | 119.0 | 123.9 | 120.6 | 121.7 | 123.2 | 124.8 | 126.1 | 127.7 |
| Personal consumption expenditures, food | 117.2 | 122.2 | 118.6 | 119.2 | 121.0 | 123.7 | 124.9 | 126.4 |
| Personal consumption expenditures, energy | 91.7 | 92.4 | 92.9 | 91.1 | 92.3 | 93.2 | 92.9 | 93.5 |
| Other personal consumption expenditures | 124.9 | 130.7 | 127.2 | 128.3 | 130.0 | 131.3 | 133.1 | 134.8 |

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

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|--------------------------------------|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Gross national product | 119.1 | 124.1 | 120.8 | 121.8 | 123.3 | 124.9 | 126.2 | 127.8 |
| Final sales | 119.0 | 123.9 | 120.6 | 121.7 | 123.2 | 124.8 | 126.1 | 127.7 |
| Change in business inventories | | | | | | | | |
| Goods | 111.0 | 115.1 | 112.1 | 112.6 | 114.3 | 116.2 | 117.2 | 117.9 |
| Final sales | 110.8 | 114.9 | 111.9 | 112.5 | 114.1 | 116.0 | 117.1 | 117.8 |
| Change in business inventories | | | | | | | | |
| Durable goods | 107.1 | 108.1 | 107.0 | 107.2 | 107.6 | 108.4 | 109.0 | 109.3 |
| Final sales | 107.0 | 108.2 | 107.1 | 107.3 | 107.7 | 108.5 | 109.2 | 109.5 |
| Change in business inventories | | | | | | | | |
| Nondurable goods | 113.7 | 119.8 | 115.5 | 116.3 | 118.7 | 121.4 | 122.8 | 123.7 |
| Final sales | 113.5 | 119.6 | 115.3 | 116.1 | 118.5 | 121.2 | 122.5 | 123.5 |
| Change in business inventories | | | | | | | | |
| Services | 127.6 | 133.6 | 129.8 | 131.2 | 132.8 | 134.3 | 135.9 | 141.2 |
| Structures | 110.7 | 114.4 | 112.4 | 113.5 | 113.9 | 114.6 | 115.4 | 116.7 |

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|--|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Gross national product | 119.1 | 124.1 | 120.8 | 121.8 | 123.3 | 124.9 | 126.2 | 127.8 |
| Less: Exports of goods and services | 106.0 | 111.5 | 107.0 | 108.7 | 110.5 | 113.0 | 113.7 | 115.0 |
| Plus: Imports of goods and services | 100.8 | 105.1 | 103.0 | 103.9 | 105.3 | 105.4 | 106.2 | 108.4 |
| Equals: Gross domestic purchases ¹ | 118.7 | 123.5 | 120.5 | 121.4 | 122.9 | 124.2 | 125.5 | 127.2 |
| Less: Change in business inventories | | | | | | | | |
| Equals: Final sales to domestic purchasers ² | 118.5 | 123.4 | 120.3 | 121.3 | 122.8 | 124.1 | 125.4 | 127.1 |

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]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|-------|-------|---------------------|-------|-------|-------|-------|-------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV |
| Gross national product | 117.7 | 121.7 | 118.9 | 119.4 | 121.0 | 122.4 | 124.0 | 125.2 |
| Personal consumption expenditures | 119.5 | 124.5 | 121.5 | 122.2 | 123.9 | 125.2 | 126.7 | 128.3 |
| Durable goods..... | 107.9 | 110.1 | 108.9 | 109.1 | 109.6 | 110.4 | 111.4 | 111.7 |
| Nondurable goods..... | 112.1 | 116.4 | 113.7 | 113.8 | 116.0 | 117.3 | 118.3 | 120.0 |
| Services | 128.5 | 134.8 | 131.0 | 132.2 | 134.0 | 135.6 | 137.3 | 139.3 |
| Gross private domestic investment | | | | | | | | |
| Fixed investment..... | 105.2 | 105.7 | 105.4 | 105.3 | 105.1 | 105.3 | 107.2 | 108.1 |
| Nonresidential..... | 100.4 | 100.2 | 99.8 | 99.6 | 99.5 | 99.7 | 101.9 | 102.7 |
| Structures..... | 111.1 | 114.2 | 111.8 | 113.0 | 113.8 | 114.3 | 115.6 | 116.8 |
| Producers' durable equipment..... | 96.2 | 95.4 | 95.1 | 94.8 | 94.6 | 94.8 | 97.2 | 97.9 |
| Residential..... | 116.2 | 119.7 | 118.7 | 119.5 | 119.5 | 119.6 | 120.4 | 122.0 |
| Change in business inventories..... | | | | | | | | |
| Net exports of goods and services | | | | | | | | |
| Exports..... | 100.0 | 102.9 | 100.1 | 100.3 | 102.1 | 104.3 | 105.0 | 106.5 |
| Imports..... | 99.0 | 101.5 | 100.0 | 100.8 | 101.4 | 101.3 | 102.6 | 104.7 |
| Government purchases of goods and services..... | 118.5 | 123.3 | 119.5 | 121.7 | 123.5 | 125.4 | 126.7 | |
| Federal..... | 112.7 | 115.9 | 112.6 | 115.2 | 115.3 | 114.9 | 118.1 | 118.5 |
| National defense..... | 111.5 | 114.0 | 111.6 | 112.8 | 113.4 | 114.8 | 115.0 | 116.7 |
| Nondefense..... | 117.0 | 123.4 | 116.0 | 125.5 | 122.7 | 115.2 | 129.3 | 124.4 |
| State and local..... | 123.0 | 128.7 | 124.9 | 126.5 | 128.1 | 129.6 | 130.7 | 132.6 |

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

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

[Index numbers, 1982=100]

| | | | | | | | | |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gross national product | 117.7 | 121.7 | 118.9 | 119.4 | 121.0 | 122.4 | 124.0 | 125.2 |
| Final sales | 117.7 | 121.8 | 119.1 | 119.8 | 121.0 | 122.4 | 124.0 | 125.3 |
| Change in business inventories..... | | | | | | | | |
| Goods..... | 107.8 | 110.0 | 107.9 | 107.5 | 109.4 | 110.8 | 112.3 | 112.7 |
| Final sales | 107.6 | 109.9 | 107.9 | 107.8 | 109.1 | 110.5 | 112.2 | 112.6 |
| Change in business inventories..... | | | | | | | | |
| Durable goods..... | 100.2 | 99.2 | 99.5 | 98.4 | 98.6 | 99.6 | 100.3 | 101.4 |
| Final sales..... | 99.9 | 98.8 | 98.8 | 98.0 | 98.3 | 99.0 | 99.9 | 100.7 |
| Change in business inventories..... | | | | | | | | |
| Nondurable goods..... | 114.3 | 120.4 | 115.5 | 115.8 | 119.7 | 122.0 | 124.1 | 123.5 |
| Final sales..... | 114.3 | 120.4 | 115.9 | 117.0 | 119.4 | 121.4 | 123.9 | 123.7 |
| Change in business inventories..... | | | | | | | | |
| Services..... | 127.5 | 133.6 | 129.7 | 131.2 | 132.8 | 134.3 | 135.9 | 138.1 |
| Structures..... | 114.6 | 118.3 | 116.2 | 117.4 | 117.9 | 118.4 | 119.4 | 120.8 |

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

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

[Index numbers, 1982=100]

| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Gross national product | 117.7 | 121.7 | 118.9 | 119.4 | 121.0 | 122.4 | 124.0 | 125.2 |
| Gross domestic product | 117.7 | 121.7 | 118.9 | 119.4 | 121.1 | 122.5 | 124.0 | 125.2 |
| Business..... | 116.0 | 119.7 | 117.1 | 117.4 | 119.0 | 120.4 | 122.0 | 122.9 |
| Nonfarm..... | 116.7 | 120.0 | 117.7 | 118.0 | 119.3 | 120.5 | 122.3 | 123.2 |
| Nonfarm less housing..... | 115.2 | 118.4 | 116.2 | 116.3 | 117.7 | 118.8 | 120.6 | 121.5 |
| Housing..... | 131.9 | 138.2 | 134.7 | 136.1 | 137.1 | 138.9 | 140.7 | 141.9 |
| Farm..... | 92.0 | 104.1 | 89.8 | 94.4 | 106.4 | 115.8 | 101.8 | 110.6 |
| Statistical discrepancy..... | 116.0 | 119.7 | 117.1 | 117.4 | 119.0 | 120.4 | 122.0 | 122.9 |
| Households and institutions..... | 131.0 | 138.9 | 134.9 | 135.7 | 138.1 | 139.8 | 142.0 | 144.0 |
| Private households..... | 104.8 | 105.8 | 105.0 | 105.0 | 105.8 | 106.1 | 106.4 | 106.9 |
| Nonprofit institutions..... | 132.9 | 141.3 | 137.1 | 137.9 | 140.4 | 142.2 | 144.5 | 146.6 |
| Government..... | 127.8 | 134.2 | 129.7 | 132.3 | 133.6 | 134.8 | 136.0 | 139.2 |
| Federal..... | 122.3 | 127.1 | 123.2 | 126.5 | 127.2 | 127.3 | 127.4 | 133.1 |
| State and local..... | 130.5 | 137.7 | 133.0 | 135.1 | 136.9 | 138.6 | 140.3 | 142.2 |
| Rest of the world..... | 119.5 | 124.0 | 120.8 | 121.4 | 123.2 | 124.8 | 126.4 | 127.7 |
| Addendum: | | | | | | | | |
| Gross domestic business product less housing | 114.7 | | | | | | | |

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

Table 7.7.—Implicit Price Deflators for the Relation of Gross National Product, Net National Product, and National Income

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|-------|-------|---------------------|-------|-------|-------|-------|-------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV |
| Gross national product | 117.7 | 121.7 | 118.9 | 119.4 | 121.0 | 122.4 | 124.0 | 125.2 |
| Less: Capital consumption allowances with capital consumption adjustment..... | 104.2 | 105.6 | 104.6 | 105.4 | 105.4 | 105.4 | 106.1 | 106.8 |
| Equals: Net national product..... | 119.5 | 123.9 | 120.8 | 121.3 | 123.2 | 124.8 | 126.4 | 127.7 |
| Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises..... | 117.8 | 123.3 | 117.6 | 120.3 | 121.6 | 126.4 | 124.9 | 126.0 |
| Statistical discrepancy..... | 116.0 | 119.7 | 117.1 | 117.4 | 119.0 | 120.4 | 122.0 | |
| Equals: National income..... | 119.7 | 124.0 | 121.1 | 121.4 | 123.3 | 124.6 | 126.5 | |

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

[Index numbers, 1982=100]

| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Gross national product | 117.7 | 121.7 | 118.9 | 119.4 | 121.0 | 122.4 | 124.0 | 125.2 |
| Less: Net exports of goods and services | | | | | | | | |
| Exports..... | 100.0 | 102.9 | 100.1 | 100.3 | 102.1 | 104.3 | 105.0 | 106.5 |
| Imports..... | 99.0 | 101.5 | 100.0 | 100.8 | 101.4 | 101.3 | 102.6 | 104.7 |
| Equals: Gross domestic purchases..... | 116.9 | 121.1 | 118.3 | 119.0 | 120.5 | 121.6 | 123.1 | 124.5 |
| Plus: Command-basis net exports of goods and services..... | | | | | | | | |
| Command-basis exports..... | 99.0 | 101.5 | 100.0 | 100.8 | 101.4 | 101.3 | 102.6 | 104.7 |
| Imports..... | 99.0 | 101.5 | 100.0 | 100.8 | 101.4 | 101.3 | 102.6 | 104.7 |
| Equals: Command-basis gross national product..... | 117.5 | 121.5 | 118.8 | 119.5 | 120.9 | 122.0 | 123.6 | 124.9 |

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

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

[Index numbers, 1982=100]

| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Personal consumption expenditures..... | 120.4 | 125.6 | 122.5 | 123.2 | 124.9 | 126.5 | 127.9 | 129.5 |
| Durable goods..... | 109.7 | 112.5 | 111.0 | 111.4 | 111.9 | 112.8 | 113.9 | 114.6 |
| Motor vehicles and parts..... | 115.3 | 117.7 | 117.0 | 117.0 | 116.8 | 117.9 | 118.9 | 120.2 |
| Furniture and household equipment..... | 102.1 | 103.8 | 102.4 | 102.9 | 103.5 | 104.3 | 104.7 | 104.8 |
| Other..... | 112.7 | 118.5 | 115.0 | 116.2 | 117.8 | 118.8 | 121.1 | 121.7 |
| Nondurable goods..... | 112.6 | 117.2 | 114.3 | 114.6 | 116.7 | 118.2 | 119.4 | 120.8 |
| Food..... | 117.2 | 122.2 | 118.6 | 119.2 | 121.0 | 123.7 | 124.9 | 126.4 |
| Clothing and shoes..... | 111.0 | 115.8 | 113.0 | 113.1 | 117.2 | 114.8 | 117.9 | 118.0 |
| Gasoline and oil..... | 78.4 | 79.1 | 80.6 | 77.2 | 79.0 | 80.9 | 79.2 | 79.3 |
| Other nondurable goods..... | 121.4 | 127.2 | 123.5 | 124.9 | 126.7 | 127.9 | 129.3 | 132.3 |
| Fuel oil and coal..... | 76.6 | 76.8 | 77.7 | 77.1 | 78.9 | 77.5 | 73.5 | 77.5 |
| Other..... | 127.6 | 134.1 | 129.8 | 131.5 | 133.2 | 134.8 | 136.9 | 139.7 |
| Services..... | 129.0 | 135.2 | 131.5 | 132.6 | 134.4 | 136.0 | 137.8 | 139.7 |
| Housing..... | 130.0 | 136.3 | 132.7 | 134.2 | 135.2 | 137.0 | 138.7 | 140.0 |
| Household operation..... | 118.3 | 119.8 | 118.6 | 118.5 | 119.6 | 119.8 | 121.4 | 122.1 |
| Electricity and gas..... | 111.8 | 112.6 | 111.7 | 111.6 | 112.2 | 112.2 | 114.6 | 115.1 |
| Other..... | 125.0 | 127.2 | 125.7 | 125.7 | 127.2 | 127.6 | 128.4 | 129.3 |
| Transportation..... | 120.3 | 126.3 | 125.1 | 122.5 | 126.7 | 126.9 | 128.8 | 133.1 |
| Medical care..... | 135.6 | 144.8 | 138.0 | 140.4 | 143.4 | 146.3 | 149.2 | 151.9 |
| Other..... | 130.2 | 136.6 | 133.1 | 134.6 | 135.9 | 137.2 | 138.7 | 140.4 |

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 | 106.0 | 111.5 | 107.0 | 108.7 | 110.5 | 113.0 | 113.7 | 115.0 |
| Merchandise..... | 97.8 | 104.5 | 99.2 | 101.3 | 103.3 | 106.7 | 106.9 | 108.0 |
| Durable goods..... | 101.7 | 105.0 | 102.2 | 103.5 | 104.5 | 105.7 | 106.2 | 106.9 |
| Nondurable goods..... | 92.7 | 103.9 | 94.9 | 98.3 | 101.5 | 108.1 | 108.0 | 109.5 |
| Services..... | 117.7 | 121.7 | 118.6 | 119.4 | 121.0 | 122.3 | 123.7 | 125.2 |
| Factor income..... | 120.3 | 124.8 | 121.6 | 122.2 | 124.0 | 125.5 | 127.2 | 128.6 |
| Other..... | 113.1 | 116.1 | 113.1 | 114.4 | 115.7 | 116.7 | 117.7 | 119.2 |
| Imports of goods and services | 100.8 | 105.1 | 103.0 | 103.9 | 105.3 | 105.4 | 106.2 | 108.4 |
| Merchandise..... | 94.7 | 98.9 | 97.1 | 97.9 | 99.4 | 99.2 | 99.7 | 102.4 |
| Durable goods..... | 109.7 | 117.8 | 112.4 | 115.4 | 117.4 | 117.9 | 120.2 | 120.8 |
| Nondurable goods..... | 79.5 | 79.9 | 81.5 | 80.1 | 81.0 | 80.1 | 78.7 | 83.5 |
| Services..... | 118.4 | 123.2 | 120.2 | 121.4 | 122.7 | 123.5 | 125.2 | 126.2 |
| Factor income..... | 119.6 | 124.0 | 120.8 | 121.4 | 123.2 | 124.7 | 126.4 | 127.9 |
| Other..... | 117.5 | 122.6 | 119.7 | 121.4 | 122.3 | 122.5 | 124.3 | 124.9 |

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|-------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Merchandise exports | 97.8 | 104.5 | 99.2 | 101.3 | 103.3 | 106.7 | 106.9 | 108.0 |
| Foods, feeds, and beverages..... | 82.1 | 99.6 | 83.3 | 88.2 | 94.0 | 109.0 | 108.3 | 109.5 |
| Industrial supplies and materials..... | 95.4 | 104.1 | 98.5 | 101.2 | 103.4 | 105.8 | 105.7 | 107.5 |
| Durable goods..... | 95.5 | 104.1 | 98.5 | 101.2 | 103.4 | 105.8 | 105.7 | 107.5 |
| Nondurable goods..... | 95.4 | 104.0 | 98.5 | 101.2 | 103.4 | 105.8 | 105.7 | 107.5 |
| Capital goods, except autos..... | 100.5 | 102.4 | 100.1 | 101.2 | 102.0 | 102.5 | 103.2 | 103.8 |
| Autos..... | 113.1 | 114.7 | 114.1 | 113.8 | 113.9 | 115.3 | 115.9 | 116.0 |
| Consumer goods..... | 107.4 | 112.2 | 109.2 | 111.0 | 111.6 | 112.4 | 113.6 | 114.7 |
| Durable goods..... | 102.2 | 107.8 | 104.0 | 105.4 | 107.0 | 109.1 | 109.3 | 110.5 |
| Nondurable goods..... | 111.5 | 115.7 | 113.2 | 115.5 | 115.3 | 115.0 | 116.9 | 118.0 |
| Other..... | 100.9 | 108.0 | 102.7 | 104.7 | 106.7 | 110.1 | 110.5 | 111.6 |
| Durable goods..... | 100.9 | 108.0 | 102.7 | 104.7 | 106.7 | 110.1 | 110.5 | 111.6 |
| Nondurable goods..... | 100.9 | 108.0 | 102.7 | 104.7 | 106.7 | 110.1 | 110.5 | 111.6 |
| Merchandise imports | 94.7 | 98.9 | 97.1 | 97.9 | 99.4 | 99.2 | 99.7 | 102.4 |
| Foods, feeds, and beverages..... | 103.6 | 109.9 | 106.2 | 109.1 | 109.6 | 110.3 | 110.6 | 110.6 |
| Industrial supplies and materials, excluding petroleum..... | 90.1 | 104.0 | 94.3 | 99.9 | 103.7 | 105.2 | 107.4 | 109.0 |
| Durable goods..... | 90.3 | 104.1 | 94.5 | 100.1 | 103.8 | 105.2 | 107.4 | 109.0 |
| Nondurable goods..... | 90.0 | 103.9 | 94.1 | 99.8 | 103.6 | 105.1 | 107.4 | 109.0 |
| Petroleum and products..... | 55.1 | 45.6 | 55.5 | 48.4 | 48.1 | 45.2 | 41.0 | 49.8 |
| Capital goods, except autos..... | 109.2 | 115.3 | 111.8 | 113.8 | 115.0 | 115.2 | 117.7 | 117.6 |
| Autos..... | 125.1 | 131.2 | 126.9 | 129.0 | 130.4 | 131.2 | 134.2 | 134.7 |
| Consumer goods..... | 114.8 | 123.2 | 118.1 | 121.2 | 123.5 | 123.4 | 124.5 | 125.8 |
| Durable goods..... | 111.8 | 119.7 | 114.6 | 117.6 | 120.2 | 119.7 | 121.2 | 122.5 |
| Nondurable goods..... | 119.1 | 128.2 | 123.0 | 126.4 | 128.2 | 128.7 | 129.3 | 130.5 |
| Other..... | 110.1 | 119.0 | 113.2 | 116.4 | 118.7 | 119.3 | 121.5 | 122.1 |
| Durable goods..... | 110.1 | 119.0 | 113.1 | 116.4 | 118.7 | 119.3 | 121.5 | 122.1 |
| Nondurable goods..... | 110.1 | 119.0 | 113.2 | 116.4 | 118.7 | 119.3 | 121.5 | 122.1 |

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| National defense purchases | 114.0 | 117.6 | 114.8 | 116.6 | 117.4 | 118.0 | 118.4 | 121.0 |
| Durable goods | 109.0 | 109.6 | 107.6 | 108.6 | 109.2 | 109.9 | 110.5 | 111.1 |
| Military equipment..... | 110.9 | 111.2 | 109.2 | 110.3 | 110.9 | 111.5 | 112.0 | 112.4 |
| Aircraft..... | 110.4 | 111.1 | 108.5 | 110.3 | 111.2 | 111.4 | 111.5 | 112.0 |
| Missiles..... | 119.1 | 113.9 | 112.6 | 112.7 | 112.9 | 114.2 | 115.7 | 114.8 |
| Ships..... | 119.7 | 121.2 | 119.8 | 120.4 | 120.3 | 121.7 | 122.3 | 122.3 |
| Vehicles..... | 89.8 | 90.1 | 88.4 | 88.1 | 89.7 | 91.2 | 91.4 | 91.4 |
| Electronic equipment..... | 106.7 | 107.1 | 106.6 | 106.9 | 106.9 | 107.1 | 107.4 | 108.7 |
| Other..... | 107.9 | 111.3 | 108.6 | 110.7 | 110.9 | 111.3 | 112.2 | 113.4 |
| Other durable goods..... | 100.5 | 102.3 | 100.5 | 100.9 | 101.8 | 102.7 | 103.8 | 105.2 |
| Nondurable goods | 68.7 | 73.1 | 71.3 | 70.1 | 72.3 | 76.4 | 73.4 | 72.9 |
| Petroleum products..... | 52.4 | 58.2 | 56.9 | 54.4 | 57.4 | 63.0 | 58.0 | 56.9 |
| Ammunition..... | 97.2 | 95.4 | 93.3 | 95.0 | 94.9 | 95.3 | 96.4 | 97.2 |
| Other nondurable goods..... | 109.6 | 113.8 | 110.6 | 112.0 | 113.3 | 114.4 | 115.4 | 116.6 |
| Services | 120.6 | 125.1 | 121.9 | 124.3 | 125.0 | 125.3 | 125.9 | 129.6 |
| Compensation of employees..... | 122.0 | 126.8 | 123.0 | 126.2 | 126.9 | 127.0 | 127.1 | 132.6 |
| Military..... | 121.6 | 126.3 | 122.5 | 125.6 | 126.4 | 126.5 | 126.6 | 131.7 |
| Civilian..... | 122.9 | 127.9 | 123.9 | 127.4 | 128.0 | 128.0 | 128.1 | 134.4 |
| Other services..... | 117.8 | 121.9 | 119.8 | 120.7 | 121.4 | 122.0 | 123.6 | 123.9 |
| Contractual research and development..... | 115.6 | 119.8 | 117.3 | 118.2 | 119.1 | 120.3 | 121.7 | 122.3 |
| Installation support ¹ | 123.7 | 127.5 | 125.2 | 125.9 | 127.1 | 128.1 | 128.7 | 128.6 |
| Weapons support ² | 114.6 | 117.6 | 116.4 | 116.6 | 116.7 | 117.8 | 119.3 | 120.3 |
| Personnel support ³ | 145.7 | 155.2 | 152.8 | 155.5 | 156.4 | 151.4 | 157.6 | 156.5 |
| Transportation of materiel..... | 93.0 | 96.1 | 94.6 | 95.6 | 95.0 | 95.7 | 98.1 | 98.1 |
| Travel of persons..... | 103.9 | 104.9 | 103.8 | 103.8 | 104.6 | 104.9 | 106.1 | 107.2 |
| Other..... | | | | | | | | |
| Structures | 121.7 | 127.0 | 123.9 | 125.5 | 125.8 | 127.4 | 129.3 | 130.5 |
| Military facilities..... | 123.3 | 128.6 | 124.7 | 126.4 | 127.1 | 129.4 | 131.5 | 132.5 |
| Other..... | 119.5 | 124.6 | 122.8 | 124.2 | 123.8 | 124.6 | 125.9 | 127.4 |

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

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

[Index numbers, 1982=100]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|---|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III |  | IV | I |
| Government purchases of goods and services | 119.6 | 124.9 | 121.2 | 122.9 | 124.3 | 125.7 | 126.6 | 128.9 |
| Federal | 113.5 | 117.8 | 114.4 | 116.3 | 117.2 | 118.5 | 118.9 | 121.7 |
| National defense..... | 114.0 | 117.6 | 114.8 | 116.6 | 117.4 | 118.0 | 118.4 | 121.0 |
| Durable goods..... | 109.0 | 109.6 | 107.6 | 108.6 | 109.2 | 109.9 | 110.5 | 111.1 |
| Nondurable goods..... | 68.7 | 73.1 | 71.3 | 70.1 | 72.3 | 76.4 | 73.4 | 72.9 |
| Services..... | 120.6 | 125.1 | 121.9 | 124.3 | 125.0 | 125.3 | 125.9 | 129.6 |
| Compensation of employees..... | 122.0 | 126.8 | 123.0 | 126.2 | 126.9 | 127.0 | 127.1 | 132.6 |
| Military..... | 121.6 | 126.3 | 122.5 | 125.6 | 126.4 | 126.5 | 126.6 | 131.7 |
| Civilian..... | 122.9 | 127.9 | 123.9 | 127.4 | 128.0 | 128.0 | 128.1 | 134.4 |
| Other services..... | 117.8 | 121.9 | 119.8 | 120.7 | 121.4 | 122.0 | 123.6 | 123.9 |
| Structures..... | 121.7 | 127.0 | 123.9 | 125.5 | 125.8 | 127.4 | 129.3 | 130.5 |
| Nondefense..... | 112.1 | 118.2 | 113.6 | 115.7 | 116.9 | 119.7 | 120.2 | 123.6 |
| Durable goods..... | 99.6 | 101.5 | 99.5 | 100.2 | 101.3 | 101.6 | 103.0 | 104.4 |
| Nondurable goods..... | | | | | | | | |
| Commodity Credit Corporation inventory change..... | | | | | | | | |
| Other nondurables..... | 96.9 | 98.7 | 96.2 | 97.8 | 98.9 | 98.2 | 99.7 | 103.6 |
| Services..... | 120.2 | 124.3 | 121.2 | 123.5 | 124.2 | 124.6 | 125.0 | 129.3 |
| Compensation of employees..... | 123.0 | 127.9 | 123.9 | 127.4 | 127.9 | 128.0 | 128.1 | 134.4 |
| Other services..... | 115.8 | 118.9 | 116.9 | 117.4 | 118.4 | 119.4 | 120.2 | 121.3 |
| Structures..... | 111.3 | 115.3 | 112.2 | 113.5 | 114.8 | 116.1 | 116.6 | 118.1 |
| State and local | 124.1 | 130.2 | 126.1 | 127.8 | 129.5 | 131.0 | 132.3 | 134.3 |
| Durable goods..... | 110.6 | 113.4 | 111.1 | 111.9 | 112.8 | 114.0 | 114.8 | 116.2 |
| Nondurable goods..... | 95.0 | 97.3 | 96.2 | 95.5 | 97.6 | 98.1 | 98.0 | 101.4 |
| Services..... | 129.9 | 136.7 | 132.2 | 134.2 | 135.9 | 137.5 | 139.1 | 141.1 |
| Compensation of employees..... | 130.6 | 137.8 | 133.0 | 135.2 | 136.9 | 138.6 | 140.4 | 142.3 |
| Other services..... | 126.6 | 131.6 | 128.3 | 129.6 | 131.2 | 132.3 | 133.3 | 135.7 |
| Structures..... | 114.5 | 119.6 | 115.9 | 117.4 | 118.9 | 120.8 | 121.3 | 122.4 |

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

[Dollars]

| | 1987 | 1988 | Seasonally adjusted | | | | | |
|--|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|-------|
| | | | 1987 | 1988 | | | | 1989 |
| | | | | IV | I | II | III | |
| Current-dollar cost and profit per unit of constant-dollar gross domestic product¹ | 1.107 | 1.134 | 1.113 | 1.114 | 1.127 | 1.140 | 1.155 | ..... |
| Capital consumption allowances with capital consumption adjustment | .122 | .122 | .121 | .121 | .122 | .122 | .123 | ..... |
| Net domestic product | .985 | 1.012 | .992 | .993 | 1.005 | 1.018 | 1.031 | ..... |
| Indirect business tax and nontax liability plus business transfer payments less subsidies..... | .106 | .107 | .105 | .105 | .106 | .108 | .108 | ..... |
| Domestic income..... | .880 | .905 | .887 | .887 | .899 | .910 | .923 | ..... |
| Compensation of employees..... | .732 | .752 | .738 | .736 | .747 | .758 | .766 | ..... |
| Corporate profits with inventory valuation and capital consumption adjustments..... | .105 | .106 | .103 | .106 | .106 | .104 | .107 | ..... |
| Profits tax liability..... | .044 | .045 | .044 | .044 | .046 | .046 | .046 | ..... |
| Profits after tax with inventory valuation and capital consumption adjustments..... | .061 | .060 | .059 | .062 | .060 | .058 | .061 | ..... |
| Net interest..... | .043 | .048 | .046 | .045 | .047 | .048 | .050 | ..... |

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)

| | Seasonally adjusted at annual rates | | | | | | | Seasonally adjusted at annual rates | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|------|-------|-------|------|------|------|-------------------------------------|--|------|------|------|----|-----|----|------|--|------|------|------|-------|------|-------|-------|-------|
| | 1987 | 1988 | 1987 | | | | 1988 | | | 1987 | 1988 | 1987 | | | | 1988 | | | 1989 | | | | | | |
| | | | IV | I | II | III | IV | I | IV | | | I | II | III | IV | I | | | | | | | | | |
| Gross national product: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 6.8 | 7.5 | 8.6 | 5.4 | 8.7 | 7.3 | 7.6 | 9.7 | Government purchases of goods and services: | | | | | | | | | 6.1 | 4.3 | 6.6 | -9 | 7.1 | -2.6 | 18.9 | 5.5 |
| 1982 dollars | 3.4 | 3.9 | 6.1 | 3.4 | 3.0 | 2.5 | 2.4 | 5.5 | Current dollars | | | | | | | | | 2.6 | 3 | 5.0 | -7.9 | 3.9 | -5.2 | 11.9 | 1.1 |
| Implicit price deflator | 3.3 | 3.4 | 2.4 | 1.7 | 5.5 | 4.7 | 5.3 | 3.9 | 1982 dollars | | | | | | | | | 3.4 | 4.1 | 1.4 | 7.6 | 3.3 | 2.6 | 6.3 | 4.2 |
| Chain price index | 3.4 | 3.8 | 3.4 | 3.0 | 4.8 | 4.7 | 4.2 | 4.8 | Implicit price deflator | | | | | | | | | 3.1 | 3.7 | 2.9 | 4.8 | 4.0 | 2.5 | 3.2 | 7.3 |
| Fixed-weighted price index | 3.6 | 4.2 | 3.8 | 3.5 | 5.0 | 5.3 | 4.2 | 5.0 | Chain price index | | | | | | | | | 3.5 | 4.4 | 3.5 | 5.9 | 4.5 | 4.7 | 2.9 | 7.6 |
| Personal consumption expenditures: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 7.3 | 7.2 | 2.4 | 6.9 | 8.8 | 8.6 | 8.2 | 6.7 | Federal: | | | | | | | | | | | | | | | | |
| 1982 dollars | 2.7 | 2.8 | -2.1 | 4.5 | 3.0 | 3.9 | 3.5 | 1.3 | Current dollars | | | | | | | | | 4.3 | -3 | 5.4 | -13.3 | 4.9 | -14.3 | 34.9 | -1.5 |
| Implicit price deflator | 4.5 | 4.2 | 4.4 | 2.3 | 5.7 | 4.3 | 4.9 | 5.1 | 1982 dollars | | | | | | | | | 1.7 | -3.0 | 6.7 | -21.0 | 4.7 | -13.2 | 20.7 | -2.7 |
| Chain price index | 4.5 | 4.2 | 4.4 | 2.5 | 5.6 | 4.6 | 4.7 | 4.9 | Implicit price deflator | | | | | | | | | 2.6 | 2.8 | -1.1 | 9.6 | 3 | -1.4 | 11.6 | 1.4 |
| Fixed-weighted price index | 4.5 | 4.3 | 4.6 | 2.4 | 5.7 | 4.9 | 4.8 | 5.0 | Chain price index | | | | | | | | | 1.6 | 2.3 | 1.6 | 4.3 | 2.0 | -8 | 2.3 | 8.8 |
| Durable goods: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 3.8 | 6.9 | -16.5 | 15.8 | 11.4 | 2.8 | 10.2 | -2.1 | Fixed-weighted price index | | | | | | | | | 2.4 | 3.8 | 2.6 | 6.7 | 3.2 | 4.5 | 1.4 | 9.8 |
| 1982 dollars | 1.5 | 4.8 | -17.3 | 14.7 | 9.8 | -2 | 6.1 | -3.2 | National defense: | | | | | | | | | | | | | | | | |
| Implicit price deflator | 2.2 | 2.0 | 1.1 | .7 | 1.8 | 3.0 | 3.7 | 1.1 | Current dollars | | | | | | | | | 6.4 | 1.0 | -8 | -1.1 | 5 | -5.9 | 10.7 | -4.2 |
| Chain price index | 2.7 | 2.4 | 2.6 | 1.6 | 1.7 | 3.1 | 3.6 | 2.4 | 1982 dollars | | | | | | | | | 5.4 | -1.2 | -1.9 | -5.3 | -1.5 | -10.5 | 9.9 | -9.7 |
| Fixed-weighted price index | 3.0 | 2.5 | 2.8 | 1.6 | 1.6 | 3.4 | 3.8 | 2.4 | Implicit price deflator | | | | | | | | | 1.0 | 2.2 | 1.1 | 4.4 | 2.1 | 5.0 | .7 | 6.0 |
| Non-durable goods: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 5.8 | 4.9 | 2.3 | 1.5 | 8.3 | 9.7 | 5.0 | 7.6 | Chain price index | | | | | | | | | 1.3 | 2.3 | 2.1 | 3.4 | 2.7 | 3.1 | 2.2 | 7.5 |
| 1982 dollars | 1.3 | 1.0 | -6 | 1.0 | .4 | 5.0 | 1.3 | 2.0 | Fixed-weighted price index | | | | | | | | | 2.4 | 3.1 | 2.1 | 6.4 | 2.8 | 2.2 | 1.4 | 9.0 |
| Implicit price deflator | 4.5 | 3.8 | 2.9 | .4 | 8.0 | 4.6 | 3.5 | 5.9 | Nondefense: | | | | | | | | | | | | | | | | |
| Chain price index | 4.5 | 4.0 | 3.4 | .7 | 8.0 | 4.8 | 4.1 | 4.8 | Current dollars | | | | | | | | | -2.3 | -4.7 | 29.7 | -45.3 | 22.3 | -40.0 | 172.4 | 7.9 |
| Fixed-weighted price index | 4.5 | 4.1 | 3.4 | .8 | 7.6 | 5.3 | 4.1 | 4.9 | 1982 dollars | | | | | | | | | -9.6 | -9.7 | 43.8 | -60.1 | 33.2 | -25.5 | 71.5 | 26.4 |
| Services: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 9.3 | 8.6 | 8.1 | 8.1 | 8.4 | 9.5 | 9.7 | 8.5 | Implicit price deflator | | | | | | | | | 8.1 | 5.5 | -9.7 | 37.0 | -8.6 | -22.3 | 58.7 | -14.3 |
| 1982 dollars | 4.1 | 3.5 | 2.2 | 4.0 | 2.8 | 4.5 | 4.2 | 2.4 | Chain price index | | | | | | | | | 2.4 | 2.4 | 0 | 7.1 | -7 | -13.7 | 2.7 | 13.6 |
| Implicit price deflator | 5.0 | 4.9 | 6.0 | 3.7 | 5.6 | 4.9 | 5.1 | 6.0 | Fixed-weighted price index | | | | | | | | | 2.5 | 5.4 | 4.0 | 7.6 | 4.1 | 10.2 | 1.5 | 11.8 |
| Chain price index | 5.0 | 4.9 | 5.5 | 3.8 | 5.3 | 4.9 | 5.4 | 5.7 | State and local: | | | | | | | | | | | | | | | | |
| Fixed-weighted price index | 4.8 | 4.8 | 5.7 | 3.7 | 5.2 | 5.0 | 5.5 | 5.5 | Current dollars | | | | | | | | | 7.5 | 7.6 | 7.5 | 8.6 | 8.7 | 5.8 | 9.6 | 10.3 |
| Gross private domestic investment: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 7.1 | 7.5 | 40.3 | -8 | -2.7 | 7.8 | -3 | 24.8 | 1982 dollars | | | | | | | | | 3.3 | 2.8 | 3.8 | 3.5 | 3.2 | 1.1 | 6.0 | 4.0 |
| 1982 dollars | 4.9 | 7.0 | 38.6 | 2.3 | -7.4 | 6.3 | -4.9 | 20.5 | Implicit price deflator | | | | | | | | | 4.1 | 4.6 | 3.3 | 5.2 | 5.2 | 4.8 | 3.4 | 5.9 |
| Implicit price deflator | | | | | | | | | Chain price index | | | | | | | | | 4.1 | 4.7 | 3.7 | 5.2 | 5.4 | 4.7 | 3.8 | 6.3 |
| Chain price index | | | | | | | | | Fixed-weighted price index | | | | | | | | | 4.2 | 4.9 | 4.0 | 5.4 | 5.4 | 4.8 | 4.0 | 6.1 |
| Fixed-weighted price index | | | | | | | | | Addenda: | | | | | | | | | | | | | | | | |
| Fixed investment: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 3.6 | 6.6 | 2.7 | 3.0 | 9.7 | 4.8 | 8.2 | 9.5 | Gross domestic purchases: | | | | | | | | | | | | | | | | |
| 1982 dollars | 2.0 | 6.1 | 1.7 | 3.3 | 10.5 | 4.1 | .8 | 5.7 | 1982 dollars | | | | | | | | | 3.0 | 3.0 | 5.4 | 1.6 | 1.3 | 2.5 | 3.5 | 4.4 |
| Implicit price deflator | 1.6 | .5 | 1.1 | -4 | -8 | .8 | 7.4 | 3.4 | Chain price index | | | | | | | | | 3.9 | 3.8 | 3.6 | 2.9 | 4.7 | 3.8 | 4.3 | 5.2 |
| Chain price index | 2.8 | 2.1 | 1.4 | 2.5 | 1.5 | .9 | 3.9 | 4.1 | Fixed-weighted price index | | | | | | | | | 4.1 | 4.1 | 4.0 | 3.2 | 4.9 | 4.4 | 4.3 | 5.4 |
| Fixed-weighted price index | 2.9 | 2.6 | 2.0 | 3.3 | 2.0 | 1.2 | 3.9 | 4.7 | Final sales: | | | | | | | | | | | | | | | | |
| Nonresidential: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 3.0 | 9.3 | 1.7 | 6.5 | 14.6 | 4.9 | 5.7 | 13.3 | 1982 dollars | | | | | | | | | 2.9 | 3.7 | .4 | 3.6 | 6.3 | 2.0 | 3.5 | 3.0 |
| 1982 dollars | 2.8 | 9.5 | 1.7 | 7.6 | 15.0 | 4.0 | -2.9 | 9.6 | Chain price index | | | | | | | | | 3.4 | 3.8 | 3.5 | 3.0 | 4.7 | 4.6 | 4.2 | 4.8 |
| Implicit price deflator | 2 | -2 | -4 | -8 | -4 | .8 | 9.1 | 3.2 | Fixed-weighted price index | | | | | | | | | 3.6 | 4.2 | 3.8 | 3.5 | 5.0 | 5.3 | 4.2 | 5.0 |
| Chain price index | 1.8 | 1.6 | .5 | 2.3 | 2.3 | 1.1 | 4.4 | 3.4 | Final sales to domestic purchasers: | | | | | | | | | | | | | | | | |
| Fixed-weighted price index | 2.3 | 2.4 | 1.7 | 3.4 | 2.5 | 1.5 | 4.3 | 4.4 | 1982 dollars | | | | | | | | | 2.5 | 2.8 | -1 | 1.7 | 4.4 | 2.1 | 4.6 | 2.0 |
| Structures: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | .7 | 2.4 | 13.8 | -19.0 | 6.4 | 4.3 | 3.4 | 12.7 | Chain price index | | | | | | | | | 3.9 | 3.8 | 3.6 | 2.9 | 4.7 | 3.6 | 4.3 | 5.3 |
| 1982 dollars | -2.9 | -3 | 13.4 | -22.4 | 3.3 | 2.6 | -1.0 | 7.9 | Fixed-weighted price index | | | | | | | | | 4.1 | 4.1 | 4.0 | 3.3 | 4.9 | 4.4 | 4.3 | 5.5 |
| Implicit price deflator | 3.7 | 2.8 | .4 | 4.4 | 2.9 | 1.8 | 4.6 | 4.2 | Command-basis gross national product: | | | | | | | | | | | | | | | | |
| Chain price index | 3.4 | 2.9 | 1.7 | 4.0 | 1.1 | 2.8 | 3.2 | 4.1 | 1982 dollars | | | | | | | | | 2.8 | 3.9 | 5.7 | 3.1 | 3.6 | 3.6 | 2.1 | 5.3 |
| Fixed-weighted price index | 3.2 | 3.1 | 2.2 | 4.1 | 1.1 | 2.8 | 3.3 | 4.3 | Implicit price deflator | | | | | | | | | 3.9 | 3.4 | 2.4 | 2.4 | 4.8 | 3.7 | 5.4 | 4.3 |
| Producers' durable equipment: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 4.0 | 12.5 | -3.5 | 20.4 | 18.3 | 5.2 | 6.7 | 13.5 | Gross domestic product: | | | | | | | | | | | | | | | | |
| 1982 dollars | 5.2 | 13.4 | -2.4 | 21.6 | 19.2 | 4.6 | -3.5 | 10.2 | 1982 dollars | | | | | | | | | 3.5 | 4.0 | 5.8 | 4.2 | 3.1 | 2.0 | 2.3 | 5.8 |
| Implicit price deflator | -1.0 | -8 | -8 | -1.3 | -8 | .8 | 10.5 | 2.9 | Implicit price deflator | | | | | | | | | 3.3 | 3.4 | 2.4 | 1.7 | 5.8 | 4.7 | 5.0 | 3.9 |
| Chain price index | 1.1 | 1.0 | 0 | 1.5 | 2.8 | .4 | 4.9 | 3.1 | Business: | | | | | | | | | | | | | | | | |
| Fixed-weighted price index | 1.8 | 2.0 | 1.4 | 2.9 | 3.4 | 7 | 4.9 | 4.5 | 1982 dollars | | | | | | | | | 3.8 | 4.3 | 6.4 | 4.4 | 3.4 | 1.9 | 2.3 | 6.4 |
| Residential: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 4.8 | 1.2 | 4.7 | -3.8 | -2 | 4.7 | 13.8 | 1.9 | Implicit price deflator | | | | | | | | | 2.9 | 3.2 | 2.1 | 1.0 | 5.6 | 4.8 | 5.4 | 3.0 |
| 1982 dollars | .1 | -1.7 | 1.3 | -6.5 | 2 | 4.3 | 10.9 | -3.6 | Nonfarm: | | | | | | | | | | | | | | | | |
| Implicit price deflator | 4.6 | 3.0 | 3.4 | 2.7 | 0 | .3 | 2.7 | 5.4 | 1982 dollars | | | | | | | | | 3.7 | 5.0 | 5.6 | 5.4 | 3.9 | 3.4 | 4.6 | 3.4 |
| Chain price index | 4.7 | 3.1 | 3.2 | 2.8 | -1 | 3 | 2.6 | 5.6 | Implicit price deflator | | | | | | | | | 3.0 | 2.8 | 2.1 | 1.0 | 4.5 | 4.1 | 6.1 | 3.0 |
| Fixed-weighted price index | 4.5 | 3.1 | 2.9 | 3.0 | .3 | .3 | 2.6 | 5.5 | Disposable personal income: | | | | | | | | | | | | | | | | |
| Exports of goods and services: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 13.1 | 21.4 | 18.7 | 26.8 | 16.8 | 24.9 | 9.2 | 17.3 | Current dollars | | | | | | | | | 6.3 | 8.2 | 11.8 | 7.4 | 5.6 | 10.4 | 8.8 | 13.3 |
| 1982 dollars | 13.1 | 18.0 | 17.7 | 25.7 | 9.1 | 14.5 | 6.5 | 10.6 | 1982 dollars | | | | | | | | | 1.7 | 3.8 | 6.9 | 5.0 | 0 | 5.6 | 4.1 | 7.7 |
| Implicit price deflator | 0 | 2.9 | .8 | .8 | 7.4 | 8.9 | 2.7 | 5.8 | Chain price index | | | | | | | | | | | | | | | | |
| Chain price index | 1.7 | 4.7 | 2.1 | 5.5 | 6.3 | 9.0 | 2.3 | 3.8 | Fixed-weighted price index | | | | | | | | | | | | | | | | |
| Fixed-weighted price index | 2.0 | 5.2 | 2.6 | 6.2 | 6.9 | 9.6 | 2.5 | 4.4 | | | | | | | | | | | | | | | | | |
| Imports of goods and services: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current dollars | 14.1 | 11.5 | 14.8 | 10.3 | -1.6 | 13.0 | 19.5 | 10.9 | | | | | | | | | | | | | | | | | |
| 1982 dollars | 7.9 | 8.7 | 9.9 | 6.9 | -3.7 | 13.1 | 13.5 | 2.3 | | | | | | | | | | | | | | | | | |
| Implicit price deflator | 5.8 | 2.5 | 4.5 | 3.2 | 2.4 | -4 | 5.2 | 8.4 | | | | | | | | | | | | | | | | | |
| Chain price index | 7.0 | 4.5 | 4.0 | 4.4 | 5.7 | .4 | 3.5 | 7.5 | | | | | | | | | | | | | | | | | |
| Fixed-weighted price index | 7.6 | 4.4 | 4.3 | 3.5 | 5.7 | .1 | 3.1 | 8.9 | | | | | | | | | | | | | | | | | |

NOTE.—The fixed-weighted price index and the chain price index, both of which are weighted averages of the detailed prices used in the deflation of GNP, are measures of price change. In calculating changes in these indexes, the composition of GNP is held constant. Consequently these changes reflect only changes in prices. The fixed-weighted price index measures price change over any period, using as weights the composition of GNP in 1982. The chain price index measures price change between two consecutive periods,

using as weights the composition of GNP in the first period. The implicit price deflator is a byproduct of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is the average of the detailed prices used in the deflation of GNP, but the prices are weighted by the composition of GNP in each period. Consequently, the implicit price deflator reflects not only changes in prices but also changes in the composition of GNP, and its use as a measure of price change should be avoided.

Reconciliation and Other Special Tables

The reconciliation of personal income and adjusted gross income (AGI) for 1986 as published in the August 1988 SURVEY OF CURRENT BUSINESS has been revised to incorporate the final estimate of AGI for 1986 recently released by the Internal Revenue Service (IRS). The IRS AGI estimate was revised down \$40.8 billion; this revision led to a downward revision in the

BEA-derived AGI of \$7.5 billion. As a result, the AGI gap—the difference between these two measures of AGI—was revised up \$33.3 billion. Sizable revisions in the AGI gap occurred in wages and salaries, nonfarm proprietors' income, and personal dividend income. Revised tables 3 and 4 from the August article are shown below as tables 1 and 2.

Table 1.—Reconciliation of Personal Income and Adjusted Gross Income, by Type of Income, 1986

(Billions of dollars)

| Line | | Personal income | Wages and salaries | Proprietors' income ¹ | | Personal dividend income | Rental income of persons ² | Personal interest income | Taxable pensions and annuities | Taxable unemployment compensation | Taxable social security benefits ³ | Other personal income | Income not included in personal income |
|------|--|-----------------|--------------------|----------------------------------|---------|--------------------------|---------------------------------------|--------------------------|--------------------------------|-----------------------------------|---|-----------------------|--|
| | | | | Farm | Nonfarm | | | | | | | | |
| 1 | Personal income..... | 3,531.1 | 2,094.0 | 36.4 | 250.3 | 82.8 | 12.4 | 499.1 | ⁴ 61.9 | 8.3 | 13.5 | ⁵ 472.5 | 0 |
| 2 | Less: Portion of personal income not included in adjusted gross income..... | 1,098.5 | 18.7 | 4.5 | 66.7 | 23.0 | -4.0 | 259.8 | 0 | 0 | 0 | 630.9 | ⁶ 99.0 |
| 3 | Transfer payments except taxable military retirement, taxable government pensions, and taxable social security benefits..... | 437.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 437.6 | 0 |
| 4 | Other labor income except fees..... | 192.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192.5 | 0 |
| 5 | Imputed income in personal income..... | 70.0 | 9.4 | 4.1 | 3.0 | 0 | -16.0 | 69.5 | 0 | 0 | 0 | 0 | 0 |
| 6 | Investment income retained by life insurance carriers and private noninsured pensions funds..... | 121.3 | 0 | 0 | 0 | 0 | 0 | 121.3 | 0 | 0 | 0 | 0 | 0 |
| 7 | Investment income received by nonprofit institutions or retained by fiduciaries..... | 33.1 | 0 | 0 | .2 | 7.4 | 1.5 | 23.2 | 0 | 0 | 0 | ⁷ .8 | 0 |
| 8 | Differences in accounting treatment between NIPA's and tax regulations, net..... | 104.1 | 0 | .5 | 63.5 | 6.2 | 10.5 | 23.5 | 0 | 0 | 0 | 0 | 0 |
| 9 | Other personal income exempt or excluded from adjusted gross income..... | 140.0 | 9.3 | 0 | 0 | 9.5 | 0 | 22.3 | 0 | 0 | 0 | 0 | 99.0 |
| 10 | Plus: Portion of adjusted gross income not included in personal income..... | 390.7 | 6.8 | 0 | 1.4 | 0 | 2.0 | 0 | 87.8 | 0 | 0 | 161.1 | 131.6 |
| 11 | Personal contributions for social insurance..... | 161.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 161.1 | 0 |
| 12 | Net gain from sale of assets..... | 133.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.6 |
| 13 | Taxable private pensions ⁸ | 87.8 | 0 | 0 | 0 | 0 | 0 | 87.8 | 0 | 0 | 0 | 0 | 0 |
| 14 | Small business corporation income..... | 7.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.5 |
| 15 | Other types of income..... | .6 | 6.8 | 0 | 1.4 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | -9.5 |
| 16 | Plus: Intercomponent reallocation..... | 0 | 3.6 | -1 | 16.1 | 21.1 | 0 | -37.9 | 0 | 0 | 0 | -2.8 | 0 |
| 17 | Fees in other labor income..... | 0 | 3.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -3.6 | 0 |
| 18 | Fiduciaries' share of partnership income..... | 0 | 0 | -1 | -7 | 0 | 0 | 0 | 0 | 0 | 0 | .8 | 0 |
| 19 | Interest received by nonfarm proprietors..... | 0 | 0 | 0 | 16.9 | 0 | 0 | -16.9 | 0 | 0 | 0 | 0 | 0 |
| 20 | Interest distributed by regulated investment companies..... | 0 | 0 | 0 | 0 | 21.1 | 0 | -21.1 | 0 | 0 | 0 | 0 | 0 |
| 21 | Disability income payments..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Equals: BEA-derived adjusted gross income..... | 2,823.3 | 2,085.7 | 31.8 | 201.2 | 80.9 | 18.3 | 201.4 | 149.7 | 8.3 | 13.5 | 0 | 32.6 |
| 23 | Adjusted gross income of IRS (as reported)..... | 2,481.7 | 2,031.0 | -7.3 | 90.4 | 61.6 | -13.4 | 167.6 | 107.7 | 7.0 | 10.6 | -6.3 | 32.6 |
| 24 | Plus: Intercomponent reallocation..... | 0 | 0 | -1.5 | -11.3 | 0 | .9 | 5.5 | 0 | 0 | 0 | ⁹ 6.3 | 0 |
| 25 | Estate or trust income..... | 0 | 0 | .1 | .5 | 0 | .9 | 5.5 | 0 | 0 | 0 | -7.0 | 0 |
| 26 | Partnership income..... | 0 | 0 | -1.6 | -11.8 | 0 | 0 | 0 | 0 | 0 | 0 | 13.4 | 0 |
| 27 | Other reallocations..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Adjusted gross income of IRS (reallocated)..... | 2,481.7 | 2,031.0 | -8.8 | 79.2 | 61.6 | -12.4 | 173.1 | 107.7 | 7.0 | 10.6 | 0 | 32.6 |
| 29 | Adjusted gross income (AGI) gap..... | 341.6 | 54.7 | 40.6 | 122.0 | 19.3 | 30.8 | 28.2 | 42.0 | 1.3 | 2.9 | 0 | 0 |
| 30 | Percent distribution of AGI gap..... | 100.0 | 16.0 | 11.9 | 35.7 | 5.6 | 9.0 | 8.3 | 12.3 | .4 | .8 | | |
| 31 | AGI gap as a percentage of BEA-derived AGI..... | 12.1 | 2.6 | 12.7 | 60.7 | 23.8 | 167.8 | 14.0 | 28.1 | 15.5 | 21.3 | | |
| 32 | AGI of IRS as a percentage of BEA-derived AGI..... | 87.9 | 97.4 | (**) | 39.3 | 76.2 | (**) | 86.0 | 71.9 | 84.5 | 78.7 | | |

NIPA National income and product accounts

** Division by a negative number

1. With inventory valuation and capital consumption adjustments.

2. With capital consumption adjustment.

3. Taxable social security benefits also include a small amount of taxable railroad retirement benefits.

4. Consists of taxable portion of government transfer payments to persons included in personal income—nondisability military retirement pay and Federal civilian and State and local government employment retirement benefits in excess of employee contributions

5. Consists of other labor income, nontaxable portion of government transfer payments to persons, business transfer payments, less personal contributions for social insurance

6. Statutory adjustments.

7. Consists of partnership income retained by fiduciaries.

8. Taxable private pensions represent the portion of nongovernment pension benefits received by individuals from annuity and pension plans in excess of the "investment in contract"

9. Consists of partnership and estate or trust net incomes.

Table 2.—Adjusted Gross Income Gap as a Percentage of BEA-derived AGI, Total and by Type of Income, 1947–86

| | Total | Wages and salaries | Proprietors' income ¹ | | Personal dividend income | Rental income of persons ² | Personal interest income | Taxable pensions and annuities | Taxable unemployment compensation | Taxable social security benefits |
|-------------------------|-------|--------------------|----------------------------------|---------|--------------------------|---------------------------------------|--------------------------|--------------------------------|-----------------------------------|----------------------------------|
| | | | Farm | Nonfarm | | | | | | |
| 1947..... | 12.2 | 3.5 | 73.9 | 6.5 | 8.1 | 55.8 | 44.5 | 40.9 | 0 | 0 |
| 1948..... | 11.4 | 4.2 | 70.1 | 6.6 | 3.4 | 52.4 | 43.4 | 35.5 | 0 | 0 |
| 1949..... | 11.6 | 4.9 | 69.4 | 11.4 | 3.7 | 44.9 | 41.5 | 20.5 | 0 | 0 |
| 1950..... | 11.1 | 3.9 | 64.4 | 17.3 | 8.9 | 46.5 | 44.0 | 32.6 | 0 | 0 |
| 1951..... | 11.6 | 4.1 | 67.1 | 19.4 | 9.1 | 48.3 | 46.4 | 35.0 | 0 | 0 |
| 1952..... | 11.0 | 3.5 | 65.3 | 21.6 | 12.7 | 48.6 | 46.6 | 36.5 | 0 | 0 |
| 1953..... | 11.0 | 3.4 | 63.0 | 25.2 | 15.3 | 47.8 | 50.0 | 39.5 | 0 | 0 |
| 1954..... | 10.6 | 3.6 | 59.7 | 23.9 | -8 | 51.5 | 60.0 | 36.7 | 0 | 0 |
| 1955..... | 10.3 | 3.4 | 53.5 | 24.1 | 1.5 | 54.7 | 62.5 | 42.2 | 0 | 0 |
| 1956..... | 10.1 | 4.0 | 51.9 | 20.1 | -1.0 | 53.6 | 62.5 | 47.0 | 0 | 0 |
| 1957..... | 9.8 | 3.2 | 47.3 | 24.3 | -3.2 | 56.6 | 62.6 | 43.7 | 0 | 0 |
| 1958..... | 11.0 | 3.9 | 51.5 | 27.6 | .6 | 50.7 | 62.9 | 43.1 | 0 | 0 |
| 1959..... | 9.9 | 3.1 | 55.5 | 25.8 | 1.4 | 51.2 | 60.3 | 46.7 | 0 | 0 |
| 1960..... | 10.5 | 3.4 | 60.4 | 27.8 | 4.3 | 49.6 | 58.3 | 47.7 | 0 | 0 |
| 1961..... | 9.8 | 2.8 | 53.1 | 29.8 | 3.2 | 46.5 | 52.8 | 47.5 | 0 | 0 |
| 1962..... | 10.1 | 3.2 | 55.2 | 29.2 | 3.6 | 44.5 | 51.5 | 42.7 | 0 | 0 |
| 1963..... | 9.8 | 2.7 | 61.9 | 30.3 | 3.6 | 47.7 | 45.3 | 40.6 | 0 | 0 |
| 1964..... | 10.2 | 3.1 | 57.9 | 31.3 | 7.6 | 52.6 | 46.9 | 41.5 | 0 | 0 |
| 1965..... | 10.5 | 3.3 | 55.5 | 30.4 | 8.4 | 55.9 | 47.7 | 41.8 | 0 | 0 |
| 1966..... | 9.9 | 3.4 | 51.5 | 30.3 | -2.0 | 50.6 | 44.5 | 38.4 | 0 | 0 |
| 1967..... | 9.1 | 2.6 | 50.3 | 30.0 | 1.6 | 55.6 | 42.4 | 39.2 | 0 | 0 |
| 1968..... | 9.1 | 2.9 | 55.0 | 29.2 | 4.1 | 49.5 | 41.5 | 36.5 | 0 | 0 |
| 1969..... | 9.0 | 2.4 | 58.3 | 31.6 | 2.7 | 54.6 | 39.5 | 37.2 | 0 | 0 |
| 1970..... | 9.5 | 2.4 | 65.2 | 34.1 | 5.0 | 57.5 | 40.3 | 38.7 | 0 | 0 |
| 1971..... | 9.7 | 2.3 | 69.9 | 36.9 | 7.8 | 56.7 | 37.7 | 38.6 | 0 | 0 |
| 1972..... | 9.5 | 1.8 | 63.4 | 40.2 | 10.0 | 52.6 | 35.5 | 37.9 | 0 | 0 |
| 1973..... | 10.7 | 2.4 | 62.9 | 41.5 | 12.9 | 47.0 | 35.3 | 34.8 | 0 | 0 |
| 1974..... | 9.8 | 1.2 | 71.1 | 45.0 | 8.8 | 41.4 | 32.7 | 31.3 | 0 | 0 |
| 1975..... | 9.6 | 1.7 | 68.1 | 47.9 | 3.7 | 41.3 | 28.2 | 28.6 | 0 | 0 |
| 1976..... | 9.7 | 1.6 | 68.5 | 50.0 | 11.4 | 34.8 | 26.5 | 25.7 | 0 | 0 |
| 1977..... | 10.7 | 2.1 | 90.0 | 50.2 | 15.5 | 45.8 | 31.4 | 23.9 | 0 | 0 |
| 1978..... | 11.2 | 2.3 | 70.5 | 52.3 | 18.5 | 45.5 | 32.3 | 25.3 | 0 | 0 |
| 1979..... | 11.0 | 1.5 | 82.2 | 55.0 | 21.6 | 53.1 | 32.9 | 25.5 | 28.9 | 0 |
| 1980..... | 10.7 | 1.4 | 108.2 | 57.1 | 24.8 | 67.3 | 24.8 | 25.8 | 25.6 | 0 |
| 1981..... | 10.9 | 1.3 | 150.2 | 61.3 | 32.9 | 82.8 | 18.9 | 25.7 | 25.9 | 0 |
| 1982..... | 10.1 | 1.0 | 157.7 | 61.4 | 23.7 | 96.5 | 13.8 | 25.4 | 21.5 | 0 |
| 1983..... | 10.7 | 1.5 | 174.9 | 60.7 | 30.7 | 112.0 | 14.4 | 24.7 | 24.8 | 0 |
| 1984..... | 11.1 | 1.2 | 188.3 | 63.1 | 34.1 | 135.7 | 11.1 | 23.6 | 17.7 | 24.7 |
| 1985..... | 11.4 | 2.0 | 148.6 | 61.8 | 26.7 | 143.7 | 7.4 | 24.2 | 17.5 | 25.2 |
| 1986 ^r | 12.1 | 2.6 | 127.7 | 60.7 | 23.8 | 167.8 | 14.0 | 28.1 | 15.5 | 21.3 |

^r revised

1. With inventory valuation and capital consumption adjustments.
2. With capital consumption adjustment.

Composite Indexes of Leading, Coincident, and Lagging Indicators

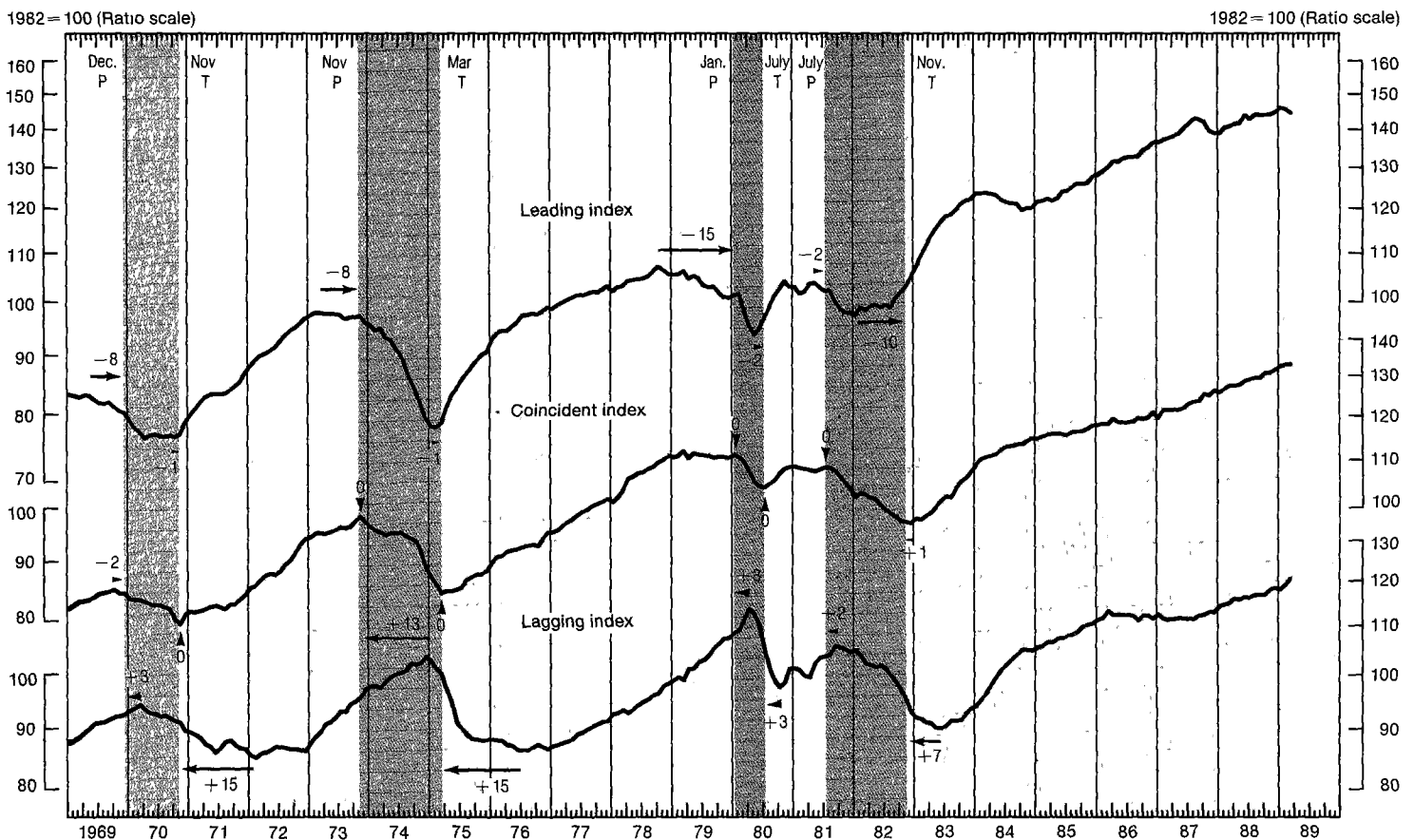
Recent Data and Percent Changes

| Index | 1988 | | | | | | | | | | | | 1989 | | | 1988 | | | 1989 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|------|
| | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar * | II | III | IV | I* | | | |
| Index (1982=100) | | | | | | | | | | | | | | | | | | | |
| Leading index | 141.5 | 141.5 | 143.9 | 142.7 | 144.1 | 143.7 | 143.9 | 144.1 | 144.8 | 145.9 | 145.4 | 144.4 | 142.3 | 143.5 | 144.3 | 145.2 | | | |
| Coincident index | 127.3 | 127.6 | 128.5 | 128.9 | 129.3 | 129.3 | 130.6 | 130.6 | 131.4 | 132.4 | 132.7 | 132.8 | 127.8 | 129.2 | 130.9 | 132.6 | | | |
| Lagging index | 115.6 | 115.3 | 116.0 | 115.8 | 116.4 | 116.4 | 116.5 | 117.7 | 118.0 | 117.6 | 118.8 | 120.3 | 115.6 | 116.2 | 117.4 | 118.9 | | | |
| Percent change from preceding month (quarter) | | | | | | | | | | | | | | | | | | | |
| Leading index | .5 | 0 | 1.7 | -.8 | 1.0 | -.3 | .1 | .1 | .5 | .8 | -.3 | -.7 | 1.7 | .8 | .6 | .6 | | | |
| Coincident index | 0 | 2 | 7 | 3 | .3 | 0 | 1.0 | 0 | .6 | .8 | .2 | .1 | 1.0 | 1.1 | 1.3 | 1.3 | | | |
| Lagging index | .8 | -.3 | .6 | -.2 | .5 | 0 | .1 | 1.0 | .3 | -.3 | 1.0 | 1.3 | 1.0 | .5 | 1.0 | 1.3 | | | |

* Preliminary.
* Revised.

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

Long -Term Perspective: January 1969 to March 1989



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

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

Alternative Measures of Real GNP

THIS article reports on work underway at BEA to develop alternative measures of real GNP for presentation in the comprehensive revision scheduled for November 1990. It also shows the present measure of real GNP, in which output is valued in 1982 prices, recalculated in terms of 1987 prices for the period 1982–88. BEA is developing alternative measures because, for the reasons set forth in this article, a single measure of real GNP cannot be considered sufficient for all analytical applications that require a measure of aggregate output.

In general, a measure of real GNP based on the prices of a more recent year increases less than a measure based on prices of an earlier year. This characteristic, which has often been observed in index number construction, exists because the commodities for which output grows rapidly tend to be those that register the smallest increases in prices. Thus, when real GNP is recalculated using more recent prices, the commodities with strong output growth receive less weight, and growth in the aggregate measure is reduced.

This characteristic has always been recognized as a problem in long-term comparisons of GNP. However, until recently, the difference in the effect of using one set of prices rather than another had generally been considered small enough to be safely ignored in measuring real GNP in the United States. The simplicity of a single output measure in which the prices of a given year were used to value real GNP in all years was considered to outweigh

any advantage provided either by presenting alternative measures based on prices of other years or by using more complex approaches to weighting.

Two situations have contributed to a change in this view. First, beginning in the 1970's, changes in the prices and quantities of the energy and food components of GNP have been large enough in certain periods for the choice of price weights to affect the measurement of the change in real GNP. However, some of these price and quantity movements over time have reversed direction.

Second, with the introduction of BEA's price index for computers in the comprehensive revision in 1985, changes in the prices and quantities of computers have been large enough to make the measurement of real GNP quite sensitive to the choice of price weights. Because of the rapid decline in the price of computers—about 15 percent per year from 1982 to 1988—real GNP growth using 1987 price weights is about 0.3 percent per year lower than real GNP growth using 1982 price weights.¹

When the sensitivity of the measurement of real GNP to the choice of price weights is large, a single measure is not appropriate for comparisons over all periods. For example, the present measure of real GNP in 1982 dollars imposes the relative price structure of 1982 on all years. Thus, the mea-

sure is appropriate for comparisons of GNP among those years that have relative price structures that do not differ greatly from that of 1982, and it may also be of use in making longer term comparisons in which 1 of the 2 years being compared is either 1982 or a year immediately around 1982. When the relative price structure of neither of the years being compared resembles that of 1982, it is more appropriate to use a measure in which the weights are representative of one or both of the years being compared. A similar statement applies to a measure of real GNP in 1987 dollars and to any other measure of real GNP based on the prices of a given year.

In the comprehensive revision scheduled for November 1990, BEA is planning to continue featuring real GNP calculated in the prices of a given year—the revision will be the occasion for replacing the 1982 prices currently used with 1987 prices. BEA is also planning to present alternative measures of real GNP in the comprehensive revision so that the user can select the type of measure most appropriate for a particular application.

The first part of this article describes the present approach to calculating real GNP and various approaches that are being considered for calculating alternative measures. The second part shows the present measure of real GNP recalculated in 1987 dollars. This recalculated measure, which is presented for the period 1982–88, provides a preview of one important element in the revision that will be made in 1990. Improvements in deflation procedures and revisions in current-dollar estimates will also contribute to the revision of the present measure. If past experience is a guide, there are likely to be offsets among these various sources of revision.

NOTE.—Carol S. Carson, Frank de Leeuw, Shelby A. Herman, Robert P. Parker, and Jack E. Triplett contributed to the development and preparation of the article. Teresa A. Williams provided secretarial assistance.

1. Two recent studies that have examined the sensitivity of real GNP to the prices in which it is valued are Edward F. Denison, *Estimates of Productivity Change by Industry*, (Washington: The Brookings Institution, 1989), and "The Effect of Computer and Petroleum Prices in NIPA Measures of Real Growth," *The Economic and Budget Outlook: An Update*, A Report to the Senate and House Committees on the Budget, (Washington: Congressional Budget Office, 1988): 75–78. See also "Revised Estimates of the National Income and Product Accounts of the United States, 1929–85: An Introduction," *SURVEY OF CURRENT BUSINESS* 65 (December 1985): 1–19.

Considerations for the Comprehensive Revision

Alternative weighting formulas

This section describes three types of index number formulas that can be used in calculating real GNP; these formulas are further explained by the example in the note that accompanies this article.

Fixed weighting.—The real GNP measure presently calculated by BEA values output in terms of 1982 prices—that is, in 1982 dollars. This is accomplished by expressing the output of each commodity in each period in 1982 prices. Use of the same price weights throughout—that is, fixed weights—provides a set of estimates that are expressed in constant dollars and that are additive; that is, total GNP in 1982 dollars is the sum of the components of GNP in 1982 dollars.

In this respect, real GNP and its components differ from the Index of Industrial Production and its components and the Consumer Price Index and its components. In these two sets of indexes, the weights are changed over time, and the indexes are, in general, not additive.

Many users consider the additive property of real GNP and its components to be quite useful. This property is a major reason why BEA has used fixed weights in calculating real GNP and why BEA will feature a fixed-weighted measure for the foreseeable future. However, as in all index number calculations, a desired property is obtained only at a cost. In this instance, the cost is that the real GNP measure is sensitive to the choice of the year for price weights.

Short-term chain weighting.—A chain-weighted measure is not calculated initially in terms of levels, but

in terms of period-to-period percent changes. For each change, output is expressed in terms of the prices of a given period. However, the same set of prices is not used over time; as the calculation moves forward, more recent prices are used. The resulting period-to-period changes can be linked together into an index.

For measuring changes in real GNP over short timespans, it is likely that some form of a chain index will prove to be useful. BEA began to present a quarterly chain index measure of real GNP change in the "Business Situation" in the August 1988 SURVEY OF CURRENT BUSINESS; in this measure the change in output from the previous quarter to the current quarter is expressed in terms of the prices of the current quarter. The August 1989 SURVEY showed how this chain index can be derived from the quarterly changes in current-dollar GNP and in the GNP chain price index.

A Note on Alternative Measures of Real GNP

Alternative measures of real GNP—based on fixed weighting, chain weighting, or other weighting alternatives—can perhaps best be explained in terms of a hypothetical two-commodity economy. Exhibit 1 shows prices, quantities, and the current-dollar values—that is, price times quantity—for two commodities (A and B) in years 1 to 4. An important feature of the example is that the price of A grows more than the price of B while the quantity of A grows less than the quantity of B. Exhibit 2 shows three types of real GNP measures calculated from the data on commodities A and B.

Fixed weighting.—Using the entries in exhibit 1, fixed-weighted measures of real GNP are obtained by multiplying quantities in each year by prices in a designated base period. Thus, with year 1 as the base period, real GNP in year 1 is $(6 \times 5) + (5 \times 4) = 50$, and in year 2, $(7 \times 5) + (7 \times 4) = 63$, and so on. Likewise, with year 2 as the base period, real GNP in year 1 is $(6 \times 6) + (5 \times 4) = 56$, and in year 2, $(7 \times 6) + (7 \times 4) = 70$, and so on. Similarly, real GNP can be calculated using year 3 or year 4 as the base period.¹

Thus, there are in principle as many measures of fixed-weighted real GNP as there are years that could be used as the base period. Exhibit 2 shows a matrix of real GNP measures calculated from exhibit 1, using each of the 4 years as the base period. The first four rows in the exhibit show the real GNP measures in constant dollars; the next four rows show period-to-period growth rates in the measures.²

In this example, selecting a later year as the base period produces a lower growth rate than selecting an earlier year because of the feature mentioned earlier—that the price of commodity A grows more than the

price of commodity B while the quantity of A grows less than the quantity of B. Therefore, commodity A receives more weight (and commodity B less) when a later year is the base period. *It is true generally*, as in this example, that a later base period produces lower growth in real GNP, because slow-

Exhibit 1.—Hypothetical Two-Commodity Economy

| | Year | | | | Ratio: Year 4 to Year 1 |
|--------------------------|------|----|----|-----|-------------------------------|
| | 1 | 2 | 3 | 4 | |
| Price (dollars): | | | | | |
| A..... | 5 | 6 | 8 | 9 | 1.80 |
| B..... | 4 | 4 | 5 | 5 | 1.25 |
| Quantity (units): | | | | | |
| A..... | 6 | 7 | 7 | 8 | 1.33 |
| B..... | 5 | 7 | 8 | 10 | 2.00 |
| Value (dollars): | | | | | |
| A..... | 30 | 42 | 56 | 72 | 2.40 |
| B..... | 20 | 28 | 40 | 50 | 2.50 |
| Total..... | 50 | 70 | 96 | 122 | 2.44 |

Exhibit 2.—Alternative Measures of Real GNP

| | Year | | | | Ratio: Year 4 to Year 1 |
|---|------|------|-----|------|-------------------------------|
| | 1 | 2 | 3 | 4 | |
| Fixed weighting | | | | | |
| Real GNP in dollars, based on prices in: | | | | | |
| Year 1..... | 50 | 63 | 67 | 80 | 1.60 |
| Year 2..... | 56 | 70 | 74 | 88 | 1.57 |
| Year 3..... | 73 | 91 | 96 | 114 | 1.56 |
| Year 4..... | 79 | 98 | 103 | 122 | 1.54 |
| Percent change in real GNP, based on prices in: | | | | | |
| Year 1..... | n.a. | 26.0 | 6.3 | 19.4 | 1.60 |
| Year 2..... | n.a. | 25.0 | 5.7 | 18.9 | 1.57 |
| Year 3..... | n.a. | 24.7 | 5.5 | 18.8 | 1.56 |
| Year 4..... | n.a. | 24.1 | 5.1 | 18.4 | 1.54 |
| Chain weighting | | | | | |
| Percent change in real GNP, based on prices in: | | | | | |
| Previous year..... | n.a. | 26.0 | 5.7 | 18.8 | 1.58 |
| Current year..... | n.a. | 25.0 | 5.5 | 18.4 | 1.56 |
| Other weighting alternatives: | | | | | |
| Percent change in real GNP, based on: | | | | | |
| Fisher ideal index..... | n.a. | 25.5 | 5.6 | 18.6 | 1.57 |
| TGFI index..... | n.a. | 25.3 | 5.9 | 18.6 | 1.57 |

n.a. Not applicable.

1. In reality, quantity data are not available for most components of real GNP. Real GNP is obtained by deflating current-dollar values by price indexes that express the price of each period relative to that of the base period. This procedure yields results identical to those obtained directly from prices and quantities. For example, using prices and quantities directly with year 1 as the base year, commodity A in real terms in year 2 is $(7 \times 5) = 35$. The identical result is obtained by deflating the current-dollar value of 42 for commodity A in year 2 by the price index with year 1 as the base year for commodity A in year 2. The price index is $(6 \div 5) = 1.20$. Thus, commodity A in real terms is $(42 \div 1.20) = 35$. Algebraically, the two procedures can be shown to be identical as follows. Using prices and quantities directly, real GNP is $\sum q_t p_o$, where q_t is the quantity in year t and p_o is the price in the base period. Deflating current-dollar values, the fixed-weighted measure of real GNP is $\sum (q_t p_t / (p_t / p_o)) = \sum q_t p_o$.

2. As shown in footnote 1, the fixed-weighted measure of real GNP in year t is $\sum q_t p_o$, where q_t is the quantity in year t and p_o is the price in base year o . The growth rate in this measure from year $t - 1$ to year t is

$$100 \left(\frac{\sum q_t p_o}{\sum q_{t-1} p_o} - 1.0 \right)$$

Experience may show that it is desirable to maintain a greater degree of stability in weighting than that in such a quarterly chain index. Therefore, for the comprehensive revision in 1990, BEA is also considering a quarterly chain index in which the price weights are held constant within a year. In this index, the prices of the previous year would be used in calculating the quarterly changes of a given year.

A disadvantage of a chain output index is that it lacks the additive property inherent in a fixed-weighted index. The lack of this property may prove troublesome for some users who now take advantage of the property in their analyses.

Other weighting alternatives.—BEA is experimenting with the Fisher ideal index number formula and with derivatives of it. The Fisher ideal index is

a geometric mean of a Laspeyres and a Paasche index. One promising index form, designated the time-series generalized Fisher ideal (TGFI) index, uses the Fisher ideal formula to calculate growth between adjacent benchmark years and uses fixed-weighted real GNP measures to interpolate the intervening years. The TGFI index may prove to be useful in economic growth studies that involve long-term comparisons. Preliminary results of research on the TGFI index were presented at a recent workshop sponsored by the National Bureau of Economic Research.² The Tornqvist index is an-

2. Jack E. Triplett, "Superlative and Quasi-Superlative Indexes of Price and Output for Investment Goods: Office, Computer and Accounting Machinery," BEA Discussion Paper No. 40 (presented at a National Bureau of Economic Research Summer Workshop, Boston, Massachusetts, July 1988.) Copies may be obtained from the author at BEA.

other candidate; its properties are similar to the Fisher ideal.

Evaluating the alternative measures

While the presentation of alternative measures of GNP will provide useful information, it will complicate users' tasks. To the extent possible, BEA will, in the SURVEY and elsewhere, evaluate the characteristics of the alternative measures so that users can decide when to use one in place of the fixed-weighted measure. Also, it will be helpful to keep the following in mind.

- An important function of the analytical system represented by real GNP and its components is to distinguish the quarters and years in which aggregate economic activity is either much stronger or much weaker. It is likely that all of the alternative measures of

growing quantities tend to be associated with relatively fast-growing prices and fast-growing quantities with relatively slow-growing prices.

Over long timespans, such inverse relationships in the growth of prices and quantities tend to be the rule. One explanation for such relationships is that as changes in technology or in market structure lower some relative prices and raise others, buyers respond by demanding relatively more of the low-priced goods and relatively less of the high-priced ones and that these responses outweigh any contrary effects arising from changes in taste or in income levels.

Chain weighting.—Chain-weighted measures of the change in real GNP may be obtained using selected changes in the fixed-weighted measures. Thus, a chain index can be constructed in which prices of the previous year are used as weights; in this case, the growth rate for year 2 is the year 2 change in the fixed-weighted measure with year 1 as the base period, and the growth rate for year 3 is the year 3 change in the fixed-weighted measure with year 2 as the base period, and so on. Similarly, a chain index can be constructed in which prices of the current year are used as weights; in this case, the growth rate for year 2 is the year 2 change in the fixed-weighted measure with year 2 as the base period, and so on. The growth rates for these two chain-weighted measures are shown in exhibit 2; it can readily be seen that, for each of these chain indexes, the changes correspond to changes along a diagonal of the matrix of growth rates for the fixed-weighted measures.³

Because a chain-weighted measure represents a series of changes taken from different fixed-weighted indexes, a change over a period of years can only be established by cumulating the period-to-period changes. In exhibit 2, the cumulated changes in the chain indexes fall in the middle of the range of growth in the fixed-weighted indexes from year 1 to year 4. (These are not the only possible chain-weighted measures; instead of using one set of weights for only one link in the chain, one set of weights could be used for two or more links before switching to a new set of weights.)

Other weighting alternatives.—The Fisher ideal index is the geometric mean of a Laspeyres and Paasche index. In terms of the example, the year 2 index value of the fixed-weighted measure with year 1 as the base period is a Laspeyres quantity index, while the year 2 index value of the fixed-

weighted measure with year 2 as the base period is a Paasche quantity index. The geometric mean of these two index numbers is the Fisher ideal index for year 2; that is, the Fisher ideal index is $\sqrt{1.260 \times 1.250} = 1.255$, and the growth rate from year 1 to year 2 is 25.5 percent. Likewise, the Fisher ideal index for year 3 is $\sqrt{1.057 \times 1.055} = 1.056$, and the growth rate is 5.6 percent.

The time-series generalized Fisher ideal (TGFI) index uses geometric means of fixed-weighted measures to calculate the year-to-year changes in real GNP between adjacent benchmark years. In the example, years 1 and 3 are taken as benchmark years, and the fixed-weighted real GNP measures with year 1 and year 3 as the base period are used to calculate the growth rates in real GNP from year 1 to year 2 and from year 2 to year 3. To calculate the growth rate from year 1 to year 2, an index value for year 2 is obtained as the geometric mean of the year 2 values of the two fixed-weighted measures; that is, for year 2 the index value is $\sqrt{1.260 \times 1.247} = 1.253$ (where $63 \div 50 = 1.26$ and $91 \div 73 = 1.247$), and the growth rate is 25.3 percent. Similarly, the index for year 3 is $\sqrt{1.063 \times 1.055} = 1.059$, and the growth rate is 5.9 percent. The cumulated change from year 1 to year 3 of 32.7 percent is identical to the growth rate calculated with the Fisher ideal index directly from year 1 to year 3—that is, $\sqrt{1.340 \times 1.315} = 1.327$ (where $67 \div 50 = 1.340$ and $96 \div 73 = 1.315$).⁴

Beyond the most recent benchmark, only one set of benchmark weights is available, and the TGFI index requires two. In the exhibit, the annual Fisher ideal value is entered as the year 4 TGFI value; other procedures are possible.

4. The Fisher ideal index measure of real GNP growth from year $t - 1$ to year t is

$$100 \left(\sqrt{\frac{\sum q_t p_{t-1}}{\sum q_{t-1} p_{t-1}} \times \frac{\sum q_t p_t}{\sum q_{t-1} p_t}} - 1.0 \right)$$

The TGFI measure of real GNP growth from year $t - 1$ to year t is

$$100 \left(\sqrt{\frac{\sum q_t p_A}{\sum q_{t-1} p_A} \times \frac{\sum q_t p_B}{\sum q_{t-1} p_B}} - 1.0 \right),$$

where A and B are benchmark years and $t = A + 1, A + 2, \dots, B$. The cumulation of the TGFI index values for the years between A and B is equal to the Fisher ideal index value calculated directly from year A to year B :

$$\begin{aligned} & \sqrt{\frac{\sum q_{A+1} p_A}{\sum q_A p_A} \times \frac{\sum q_{A+1} p_B}{\sum q_A p_B}} \times \sqrt{\frac{\sum q_{A+2} p_A}{\sum q_{A+1} p_A} \times \frac{\sum q_{A+2} p_B}{\sum q_{A+1} p_B}} \times \dots \\ & \times \sqrt{\frac{\sum q_B p_A}{\sum q_{B-1} p_A} \times \frac{\sum q_B p_B}{\sum q_{B-1} p_B}} = \sqrt{\frac{\sum q_B p_A}{\sum q_A p_A} \times \frac{\sum q_B p_B}{\sum q_A p_B}} \end{aligned}$$

3. The chain-weighted measure of real GNP growth from year $t - 1$ to year t , using prices of the previous year as weights, is

$$100 \left(\frac{\sum q_t p_{t-1}}{\sum q_{t-1} p_{t-1}} - 1.0 \right)$$

The chain-weighted measure using prices of the current year as weights is

$$100 \left(\frac{\sum q_t p_t}{\sum q_{t-1} p_t} - 1.0 \right)$$

Table 1.—Gross National Product

| Line | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | | | | |
|------|---|---------|---------|---------|---------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | 1982 | | | | 1983 | | | | |
| | | | | | | | | I | II | III | IV | I | II | III | IV | |
| 1 | GNP | 3,768.8 | 3,900.3 | 4,135.4 | 4,258.6 | 4,385.0 | 4,526.7 | 4,683.7 | 3,766.4 | 3,780.1 | 3,762.0 | 3,766.9 | 3,788.1 | 3,878.5 | 3,934.7 | 3,999.7 |
| 2 | Personal consumption expenditures..... | 2,469.2 | 2,579.0 | 2,698.0 | 2,820.5 | 2,933.3 | 3,012.1 | 3,096.7 | 2,445.5 | 2,457.5 | 2,471.7 | 2,502.1 | 2,520.5 | 2,566.1 | 2,598.1 | 2,631.1 |
| 3 | Durable goods..... | 276.6 | 309.6 | 353.0 | 386.8 | 417.5 | 421.9 | 440.8 | 271.7 | 272.6 | 275.4 | 286.7 | 287.9 | 306.4 | 315.5 | 328.8 |
| 4 | Nondurable goods..... | 868.0 | 899.6 | 928.3 | 952.0 | 986.0 | 997.9 | 1,006.9 | 859.6 | 864.6 | 870.8 | 877.0 | 885.4 | 894.6 | 905.8 | 912.8 |
| 5 | Services..... | 1,324.6 | 1,369.7 | 1,416.7 | 1,481.6 | 1,529.8 | 1,592.3 | 1,649.0 | 1,314.1 | 1,320.4 | 1,325.5 | 1,338.4 | 1,347.2 | 1,365.1 | 1,376.9 | 1,389.5 |
| 6 | Gross private domestic investment..... | 489.0 | 550.8 | 704.3 | 677.2 | 684.7 | 712.9 | 747.6 | 502.9 | 510.0 | 490.9 | 452.1 | 469.5 | 534.5 | 572.2 | 627.2 |
| 7 | Fixed investment..... | 514.4 | 553.8 | 638.2 | 665.4 | 669.2 | 673.7 | 704.0 | 528.5 | 515.9 | 500.5 | 512.7 | 511.0 | 539.8 | 569.5 | 595.1 |
| 8 | Nonresidential..... | 392.6 | 380.5 | 439.7 | 462.9 | 442.6 | 446.8 | 481.1 | 411.2 | 396.1 | 384.5 | 378.4 | 362.7 | 368.6 | 381.5 | 409.4 |
| 9 | Structures..... | 150.6 | 134.2 | 151.5 | 160.5 | 143.2 | 139.5 | 138.8 | 156.7 | 151.9 | 147.2 | 146.6 | 135.3 | 130.6 | 132.6 | 138.3 |
| 10 | Producers' durable equipment..... | 242.0 | 246.3 | 288.3 | 302.4 | 299.4 | 307.3 | 322.3 | 254.5 | 244.2 | 237.3 | 231.8 | 227.4 | 238.0 | 248.9 | 271.1 |
| 11 | Residential..... | 121.8 | 173.3 | 198.5 | 202.5 | 226.7 | 226.9 | 222.9 | 117.3 | 119.8 | 116.0 | 134.3 | 148.3 | 171.2 | 188.0 | 185.7 |
| 12 | Change in business inventories..... | -25.4 | -3.0 | 66.1 | 11.8 | 15.4 | 39.2 | 43.6 | -25.6 | -5.9 | -9.6 | -60.6 | -41.5 | -5.3 | 2.8 | 32.1 |
| 13 | Net exports of goods and services..... | 42.9 | -7.9 | -78.1 | -104.3 | -131.7 | -123.0 | -92.7 | 58.5 | 54.5 | 30.8 | 27.8 | 23.0 | -1.1 | -18.0 | -35.6 |
| 14 | Exports..... | 383.4 | 365.4 | 386.8 | 377.1 | 384.9 | 428.0 | 497.2 | 396.7 | 401.0 | 381.4 | 354.4 | 360.2 | 358.7 | 370.3 | 372.3 |
| 15 | Imports..... | 340.5 | 373.3 | 464.9 | 481.5 | 516.6 | 551.1 | 589.9 | 338.2 | 346.5 | 350.6 | 326.6 | 337.1 | 359.8 | 388.3 | 407.9 |
| 16 | Government purchases of goods and services..... | 767.8 | 778.4 | 811.1 | 865.3 | 898.7 | 924.8 | 932.1 | 759.6 | 758.0 | 768.6 | 784.9 | 775.1 | 779.0 | 782.3 | 777.0 |
| 17 | Federal..... | 309.8 | 315.0 | 332.7 | 365.3 | 372.8 | 382.0 | 374.6 | 303.0 | 299.7 | 311.2 | 325.3 | 315.0 | 317.3 | 316.5 | 311.0 |
| 18 | National defense..... | 221.4 | 234.9 | 248.8 | 266.9 | 281.7 | 295.3 | 290.8 | 212.0 | 219.9 | 224.8 | 228.7 | 230.5 | 234.4 | 234.0 | 240.9 |
| 19 | Nondefense..... | 88.4 | 80.0 | 83.9 | 98.3 | 91.1 | 86.7 | 83.7 | 91.0 | 79.8 | 86.3 | 96.6 | 84.6 | 82.9 | 82.5 | 70.1 |
| 20 | State and local..... | 458.0 | 463.4 | 478.4 | 500.0 | 525.9 | 542.8 | 557.6 | 456.5 | 458.3 | 457.4 | 459.5 | 460.1 | 461.7 | 465.8 | 466.0 |
| | Addenda: | | | | | | | | | | | | | | | |
| 21 | Gross domestic purchases..... | 3,725.9 | 3,908.2 | 4,213.5 | 4,362.9 | 4,516.7 | 4,649.7 | 4,776.4 | 3,707.9 | 3,725.6 | 3,731.1 | 3,739.1 | 3,765.1 | 3,879.6 | 3,952.7 | 4,035.3 |
| 22 | Final sales..... | 3,794.3 | 3,903.3 | 4,069.3 | 4,246.8 | 4,369.6 | 4,487.5 | 4,640.1 | 3,792.0 | 3,786.0 | 3,771.6 | 3,827.6 | 3,829.6 | 3,883.8 | 3,931.9 | 3,967.6 |
| 23 | GNP price index (fixed weighted), 1987=100..... | 85.0 | 88.4 | 91.8 | 94.6 | 96.8 | 100.0 | 103.8 | 83.6 | 84.5 | 85.7 | 86.5 | 87.3 | 88.0 | 88.8 | 89.6 |

real GNP that will be presented will, for the purposes of short-term analysis, identify the same periods as being much stronger or weaker.

• A difference between two measures of real GNP is not evidence that one is wrong. Real GNP is not composed of actual transactions that reflect market prices and that could, at least in principle, be added up from information obtained from transactors to obtain a single, correct total. A measure of real GNP is a construct in which transactions are valued by the compiler in terms of a set of prices that is chosen, at least in part, arbitrarily. The worth of such a measure lies in whether or not it proves useful in analysis. Viewed in this way, there can be more than one useful measure.

Real GNP in 1987 Dollars

This part describes the present measure of real GNP recalculated in 1987 dollars. Annual and quarterly estimates of real GNP in 1987 dollars are shown for 1982–88 in table 1. Percent changes in the measure of real GNP in 1987 dollars are compared with those in the measure of real GNP in 1982 dollars in table 2 and in chart 8. Estimates in 1987 dollars for the first quarter of 1989 will be presented next month and for each quarter thereafter in the "Reconciliation and Other Special Tables" section of the SURVEY.

Aggregate GNP

From 1982 to 1988, the growth in the 1987-dollar measure is 1.9 percentage points less than that in the 1982-dollar measure—24.3 percent, compared with 26.2 percent. As shown in table 2, the annual percent changes in the 1987-dollar measure are smaller than those in the 1982-dollar measure in 5 of the 6 years. The largest difference—0.8 percentage point—occurs in 1984, when the 1987-dollar measure increased 6.0 percent and the 1982-dollar measure increased 6.8 percent. In 1986, the change in the 1987-dollar measure is larger than that in the 1982-dollar measure—3.0 percent, compared with 2.8 percent.

The quarterly percent changes in the 1987-dollar measure are smaller than those in the 1982-dollar measure in 16 of 27 quarters; the changes in the two measures are the same size in two quarters; and the changes in the 1987-dollar measure are larger in nine quarters. The differences between the two measures are greater than 1.0 percentage point in one-third of the quarters. The largest difference—1.5 percentage points—occurs in the first quarter of 1984, when the 1987-dollar measure increased 9.2 percent and the 1982-dollar measure increased 10.7 percent. Seven of the nine quarters in which the changes in the 1987-dollar measure are larger than those in the 1982-dollar measure are concentrated in 3 years—

three quarters in 1988 and two each in 1982 and 1986.

The differences in quarterly changes do not lead to substantially different cyclical patterns in the two measures. In both measures, periods of weak growth or decline occur in 1982 and in 1986, and the strongest growth occurs in 1983 and early 1984 and in 1987.

The difference in the growth from 1982 to 1988 in the two measures of real GNP can be traced primarily to the smaller price weight assigned to computer output in the 1987-dollar measure. Business expenditures on computers, which account for most of the output of computers, can be readily isolated in the presently available data base. Excluding this component of business fixed investment almost eliminates the 1.9-percentage point difference in the growth of the two measures from 1982 to 1988. The 1987-dollar measure increased 23.5 percent, compared with 23.7 percent in the 1982-dollar measure.

Table 3 illustrates the contribution of business expenditures on computers to the differences in the annual percent changes in the two measures of real GNP. Annual percent changes in the two measures of real GNP are shown in columns 1 and 2, and the differences in column 3. Columns 4–6 show the same information for real GNP excluding business expenditures on computers. Excluding business expenditures on computers reduces the average difference from –0.3 percentage

in 1987 Dollars, 1982-88

| Seasonally adjusted at annual rates | | | | | | | | | | | | | | | | | | | | Line |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| 1984 | | | | 1985 | | | | 1986 | | | | 1987 | | | | 1988 | | | | |
| I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV | |
| 4,089.0 | 4,131.9 | 4,151.3 | 4,169.1 | 4,208.4 | 4,233.2 | 4,283.3 | 4,309.2 | 4,366.3 | 4,370.7 | 4,396.1 | 4,406.7 | 4,453.5 | 4,502.5 | 4,547.8 | 4,602.8 | 4,625.6 | 4,671.4 | 4,701.8 | 4,735.8 | 1 |
| 2,654.7 | 2,695.2 | 2,707.4 | 2,734.9 | 2,778.2 | 2,800.7 | 2,845.6 | 2,857.2 | 2,888.2 | 2,916.7 | 2,959.6 | 2,968.8 | 2,975.7 | 3,005.9 | 3,040.7 | 3,025.8 | 3,058.4 | 3,081.1 | 3,110.8 | 3,136.6 | 2 |
| 341.8 | 352.8 | 354.0 | 363.2 | 376.1 | 381.7 | 403.0 | 386.5 | 394.3 | 405.4 | 440.4 | 430.0 | 407.7 | 422.5 | 439.6 | 417.6 | 431.8 | 441.4 | 441.4 | 448.3 | 3 |
| 915.2 | 931.2 | 932.6 | 934.4 | 941.5 | 947.5 | 954.9 | 964.0 | 976.6 | 988.2 | 987.3 | 991.8 | 997.9 | 996.6 | 999.8 | 997.4 | 999.5 | 1,000.4 | 1,012.5 | 1,015.0 | 4 |
| 1,397.7 | 1,411.2 | 1,420.7 | 1,437.2 | 1,460.6 | 1,471.5 | 1,487.7 | 1,506.7 | 1,517.4 | 1,523.0 | 1,531.9 | 1,546.9 | 1,570.1 | 1,586.8 | 1,601.3 | 1,610.9 | 1,627.1 | 1,638.9 | 1,656.8 | 1,673.3 | 5 |
| 706.2 | 704.6 | 707.9 | 698.6 | 675.6 | 684.8 | 662.4 | 686.0 | 714.6 | 690.4 | 669.9 | 663.8 | 691.5 | 701.4 | 700.4 | 758.3 | 748.0 | 741.2 | 750.8 | 750.3 | 6 |
| 616.8 | 639.3 | 644.1 | 652.6 | 658.3 | 668.1 | 658.9 | 676.3 | 668.9 | 669.5 | 669.2 | 669.4 | 654.6 | 668.3 | 685.3 | 686.7 | 688.2 | 702.4 | 709.4 | 715.8 | 7 |
| 418.7 | 438.2 | 446.4 | 455.6 | 460.5 | 467.4 | 455.7 | 468.0 | 453.4 | 441.9 | 437.8 | 437.2 | 423.8 | 438.6 | 462.1 | 462.7 | 467.9 | 482.1 | 486.8 | 487.3 | 8 |
| 144.9 | 151.7 | 153.4 | 155.8 | 161.3 | 163.2 | 155.8 | 161.7 | 157.1 | 141.0 | 136.4 | 138.2 | 134.8 | 135.0 | 142.0 | 146.0 | 137.2 | 138.9 | 139.4 | 139.5 | 9 |
| 273.8 | 286.4 | 292.9 | 299.8 | 299.2 | 304.2 | 299.8 | 306.3 | 296.2 | 300.9 | 301.3 | 299.1 | 289.0 | 303.5 | 320.1 | 316.7 | 330.7 | 343.2 | 347.4 | 347.8 | 10 |
| 198.1 | 201.1 | 197.8 | 197.0 | 197.9 | 200.7 | 203.2 | 208.3 | 215.6 | 227.6 | 231.5 | 232.2 | 230.7 | 229.7 | 223.2 | 224.0 | 220.3 | 220.3 | 222.6 | 228.4 | 11 |
| 89.4 | 65.3 | 63.7 | 46.0 | 17.2 | 16.7 | 3.5 | 9.7 | 45.7 | 21.0 | .7 | -5.5 | 37.0 | 33.1 | 15.1 | 71.6 | 59.8 | 38.8 | 41.3 | 34.5 | 12 |
| -60.6 | -80.2 | -80.6 | -91.1 | -85.2 | -101.9 | -108.0 | -122.2 | -115.2 | -134.0 | -140.6 | -136.7 | -129.2 | -123.1 | -118.5 | -118.5 | -105.1 | -84.5 | -84.2 | -97.0 | 13 |
| 379.3 | 384.9 | 393.7 | 389.3 | 381.7 | 377.8 | 372.3 | 376.8 | 383.0 | 380.3 | 384.8 | 391.6 | 398.9 | 418.0 | 439.1 | 456.1 | 477.8 | 489.1 | 506.7 | 515.4 | 14 |
| 439.9 | 465.1 | 474.2 | 480.3 | 466.9 | 479.7 | 480.3 | 499.0 | 498.2 | 514.4 | 525.5 | 528.4 | 528.1 | 541.1 | 560.5 | 574.6 | 582.9 | 573.6 | 590.9 | 612.4 | 15 |
| 788.8 | 812.3 | 816.7 | 826.7 | 839.8 | 849.6 | 883.4 | 888.3 | 878.7 | 897.3 | 907.3 | 910.9 | 915.4 | 918.2 | 928.1 | 937.2 | 924.4 | 933.7 | 924.5 | 945.9 | 16 |
| 316.6 | 336.5 | 336.0 | 341.7 | 350.2 | 351.7 | 379.0 | 380.1 | 362.2 | 374.2 | 377.8 | 376.9 | 375.5 | 376.8 | 385.7 | 390.0 | 372.6 | 377.7 | 367.1 | 380.8 | 17 |
| 243.6 | 248.6 | 247.2 | 255.7 | 259.7 | 261.6 | 273.7 | 272.7 | 271.1 | 281.1 | 292.1 | 282.3 | 288.1 | 295.2 | 300.3 | 297.8 | 294.4 | 292.6 | 286.3 | 291.0 | 18 |
| 73.1 | 88.0 | 88.7 | 85.9 | 90.5 | 90.1 | 105.3 | 107.4 | 91.1 | 93.0 | 85.7 | 94.5 | 87.4 | 81.6 | 85.4 | 92.2 | 79.2 | 85.1 | 80.8 | 89.8 | 19 |
| 472.2 | 475.7 | 480.7 | 485.0 | 489.6 | 497.9 | 504.3 | 508.2 | 516.5 | 523.5 | 529.4 | 534.0 | 539.9 | 541.5 | 542.4 | 547.2 | 551.7 | 555.9 | 557.4 | 565.1 | 20 |
| 4,149.7 | 4,212.0 | 4,231.9 | 4,260.2 | 4,293.6 | 4,335.1 | 4,391.4 | 4,431.4 | 4,481.6 | 4,504.8 | 4,536.8 | 4,543.5 | 4,582.7 | 4,625.5 | 4,669.2 | 4,721.3 | 4,730.8 | 4,755.9 | 4,786.1 | 4,832.8 | 21 |
| 3,999.6 | 4,066.6 | 4,087.6 | 4,123.1 | 4,191.2 | 4,216.5 | 4,279.8 | 4,299.5 | 4,320.6 | 4,349.8 | 4,395.4 | 4,412.3 | 4,416.5 | 4,469.4 | 4,532.7 | 4,531.3 | 4,565.8 | 4,632.6 | 4,660.5 | 4,701.3 | 22 |
| 90.5 | 91.4 | 92.1 | 93.2 | 93.9 | 94.3 | 94.9 | 95.5 | 95.9 | 96.5 | 97.2 | 97.7 | 98.7 | 99.6 | 100.4 | 101.3 | 102.0 | 103.3 | 104.5 | 105.5 | 23 |

point to -0.1 percentage point; the average computed without regard to sign is reduced from 0.4 percentage point to 0.2 percentage point. In 5 of the 6 years, excluding the computer component reduces the difference. The only year in which the remaining difference is more than 0.2 percentage point is 1984. In that year a large accumulation of business inventories, which included a variety of goods that registered smaller than average increases

in price from 1982 to 1987, also contributed to the difference.

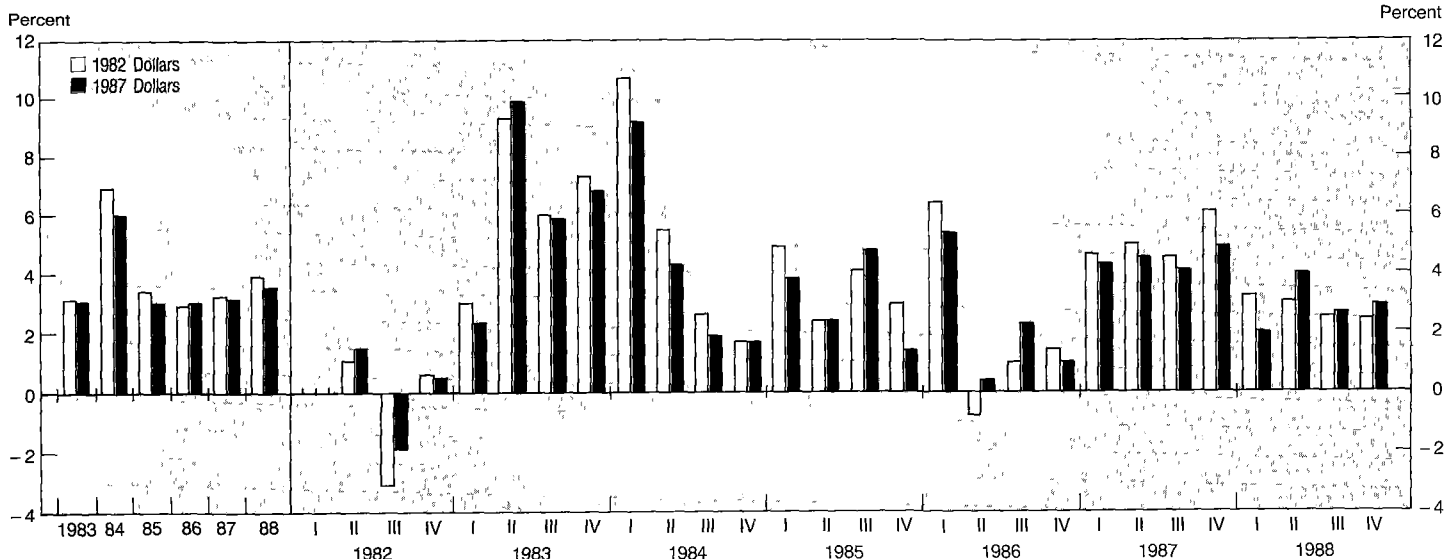
Excluding the computer component reduces the average differences in the quarterly percent changes in the same manner as in the annual percent changes. However, the quarterly variation in the differences is largely due to other components. Sharp changes in energy quantities are the most important contributor to the differences in the quarterly changes. Reflecting

the drop in energy prices from 1982 to 1987, the weights assigned to the energy components of GNP in the 1987-dollar measure are smaller than those assigned to these components in the 1982-dollar measure. Consequently, both increases and decreases in energy quantities affect the 1987-dollar measure less than the 1982-dollar measure. Changes in the food components of GNP also contribute substantially to the differences in the quarterly

Text continues on page 34.

CHART 8

GNP in 1982 and 1987 Dollars: Annual and Quarterly Percent Changes, 1982-88



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

Table 2.—Gross National Product in 1982 and 1987 Dollars:

| Line | | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | Seasonally adjusted at annual rates | | | | | | | |
|------|---|-------|------|------|-------|------|------|-------------------------------------|-------|-------|-------|-------|------|-------|--|
| | | | | | | | | 1982 | | | 1983 | | | | |
| | | | | | | | | II | III | IV | I | II | III | IV | |
| 1 | GNP: | | | | | | | | | | | | | | |
| 2 | 1987 dollars | 3.5 | 6.0 | 3.0 | 3.0 | 3.2 | 3.5 | 1.5 | -1.9 | .5 | 2.3 | 9.9 | 5.9 | 6.8 | |
| | 1982 dollars | 3.6 | 6.8 | 3.4 | 2.8 | 3.4 | 3.9 | 1.2 | -3.2 | .6 | 3.5 | 9.3 | 6.0 | 7.3 | |
| 3 | Personal consumption expenditures: | | | | | | | | | | | | | | |
| 4 | 1987 dollars | 4.4 | 4.6 | 4.5 | 4.0 | 2.7 | 2.8 | 2.0 | 2.3 | 5.0 | 3.0 | 7.4 | 5.1 | 5.2 | |
| | 1982 dollars | 4.6 | 4.8 | 4.7 | 4.3 | 2.7 | 2.8 | 1.9 | 2.1 | 5.3 | 3.0 | 8.0 | 5.3 | 5.5 | |
| 5 | Durable goods: | | | | | | | | | | | | | | |
| 6 | 1987 dollars | 11.9 | 14.0 | 9.6 | 7.9 | 1.1 | 4.5 | 1.3 | 4.2 | 17.5 | 1.7 | 28.3 | 12.4 | 18.0 | |
| | 1982 dollars | 12.0 | 14.1 | 9.9 | 8.4 | 1.5 | 4.8 | 2.3 | 4.4 | 17.2 | 2.0 | 27.9 | 12.7 | 17.7 | |
| 7 | Nondurable goods: | | | | | | | | | | | | | | |
| 8 | 1987 dollars | 3.6 | 3.2 | 2.6 | 3.6 | 1.2 | .9 | 2.3 | 2.9 | 2.9 | 3.9 | 4.2 | 5.1 | 3.1 | |
| | 1982 dollars | 3.8 | 3.2 | 2.6 | 3.8 | 1.3 | 1.0 | 2.2 | 2.4 | 3.0 | 4.0 | 4.9 | 5.4 | 3.3 | |
| 9 | Services: | | | | | | | | | | | | | | |
| 10 | 1987 dollars | 3.4 | 3.4 | 4.6 | 3.3 | 4.1 | 3.6 | 1.9 | 1.6 | 4.0 | 2.7 | 5.4 | 3.5 | 3.7 | |
| | 1982 dollars | 3.5 | 3.5 | 4.7 | 3.3 | 4.1 | 3.5 | 1.7 | 1.5 | 4.3 | 2.5 | 5.8 | 3.4 | 3.9 | |
| 11 | Gross private domestic investment: | | | | | | | | | | | | | | |
| 12 | 1987 dollars | 12.6 | 27.9 | -3.8 | 1.1 | 4.1 | 4.9 | 5.8 | -14.2 | -28.1 | 16.3 | 68.0 | 31.3 | 44.4 | |
| | 1982 dollars | 12.7 | 30.6 | -3.3 | 1.0 | 4.9 | 7.0 | 2.9 | -15.2 | -31.0 | 19.1 | 68.9 | 35.0 | 46.3 | |
| 13 | Fixed investment: | | | | | | | | | | | | | | |
| 14 | 1987 dollars | 7.7 | 15.2 | 4.3 | .6 | .7 | 4.5 | -9.2 | -11.4 | 10.1 | -1.3 | 24.5 | 23.9 | 19.2 | |
| | 1982 dollars | 8.2 | 16.8 | 5.3 | 0 | 2.0 | 6.1 | -11.9 | -12.0 | 9.0 | 1.1 | 24.9 | 26.1 | 20.0 | |
| 15 | Nonresidential: | | | | | | | | | | | | | | |
| 16 | 1987 dollars | -3.1 | 15.6 | 5.3 | -4.4 | .9 | 7.7 | -13.9 | -11.2 | -6.2 | -15.6 | 6.7 | 14.8 | 32.6 | |
| | 1982 dollars | -1.5 | 17.7 | 6.7 | -4.5 | 2.8 | 9.5 | -16.9 | -11.9 | -6.2 | -11.6 | 8.7 | 18.5 | 32.5 | |
| 17 | Structures: | | | | | | | | | | | | | | |
| 18 | 1987 dollars | -10.9 | 12.9 | 5.9 | -10.8 | -2.6 | -5 | -11.7 | -11.8 | -1.6 | -27.4 | -13.2 | 6.3 | 18.3 | |
| | 1982 dollars | -11.2 | 13.1 | 4.0 | -13.5 | -2.9 | -3 | -15.7 | -14.1 | -2.8 | -26.2 | -14.4 | 8.4 | 19.8 | |
| 19 | Producers' durable equipment: | | | | | | | | | | | | | | |
| 20 | 1987 dollars | 1.8 | 17.1 | 4.9 | -1.0 | 2.6 | 11.4 | -15.2 | -10.8 | -9.0 | -7.4 | 20.0 | 19.6 | 40.7 | |
| | 1982 dollars | 4.7 | 20.3 | 8.0 | -1 | 5.2 | 13.4 | -17.4 | -10.6 | -8.2 | -1.3 | 24.7 | 24.3 | 39.6 | |
| 21 | Residential: | | | | | | | | | | | | | | |
| 22 | 1987 dollars | 42.3 | 14.5 | 2.0 | 12.0 | .1 | -1.8 | 8.8 | -12.1 | 79.7 | 48.7 | 77.6 | 45.4 | -4.8 | |
| | 1982 dollars | 42.1 | 14.5 | 2.0 | 11.8 | .1 | -1.7 | 9.0 | -12.2 | 79.1 | 48.4 | 77.0 | 45.5 | -4.9 | |
| 23 | Change in business inventories: | | | | | | | | | | | | | | |
| 24 | 1987 dollars | | | | | | | | | | | | | | |
| | 1982 dollars | | | | | | | | | | | | | | |
| 25 | Net exports of goods and services: | | | | | | | | | | | | | | |
| 26 | 1987 dollars | | | | | | | | | | | | | | |
| | 1982 dollars | | | | | | | | | | | | | | |
| 27 | Exports: | | | | | | | | | | | | | | |
| 28 | 1987 dollars | -4.7 | 5.9 | -2.5 | 2.1 | 11.2 | 16.2 | 4.4 | -18.2 | -25.4 | 6.7 | -1.7 | 13.6 | 2.2 | |
| | 1982 dollars | -3.8 | 6.8 | -1.2 | 3.1 | 13.1 | 18.0 | 4.8 | -18.6 | -23.7 | 8.0 | -9 | 13.6 | 3.1 | |
| 29 | Imports: | | | | | | | | | | | | | | |
| 30 | 1987 dollars | 9.6 | 24.5 | 3.6 | 7.3 | 6.7 | 7.0 | 10.2 | 4.8 | -24.7 | 13.5 | 29.8 | 35.7 | 21.8 | |
| | 1982 dollars | 9.7 | 23.8 | 3.4 | 9.4 | 7.9 | 8.7 | 3.8 | 13.7 | -24.4 | 2.6 | 42.0 | 40.3 | 15.0 | |
| 31 | Government purchases of goods and services: | | | | | | | | | | | | | | |
| 32 | 1987 dollars | 1.4 | 4.2 | 6.7 | 3.9 | 2.9 | .8 | -8 | 5.7 | 8.8 | -4.9 | 2.0 | 1.7 | -2.7 | |
| | 1982 dollars | 1.1 | 4.4 | 7.9 | 4.0 | 2.6 | .3 | -3.1 | 8.4 | 11.4 | -6.4 | 1.1 | 1.7 | -6.8 | |
| 33 | Federal: | | | | | | | | | | | | | | |
| 34 | 1987 dollars | 1.7 | 5.6 | 9.8 | 2.1 | 2.5 | -1.9 | -4.3 | 16.3 | 19.4 | -12.1 | 3.0 | -1.0 | -6.8 | |
| | 1982 dollars | .9 | 5.7 | 12.1 | 2.3 | 1.7 | -3.0 | -9.4 | 22.0 | 25.0 | -14.7 | .4 | -1.3 | -15.7 | |
| 35 | National defense: | | | | | | | | | | | | | | |
| 36 | 1987 dollars | 6.1 | 5.9 | 7.3 | 5.5 | 4.8 | -1.5 | 15.8 | 9.2 | 7.1 | 3.2 | 6.9 | -7 | 12.3 | |
| | 1982 dollars | 6.8 | 5.6 | 8.6 | 6.0 | 5.4 | -1.2 | 14.1 | 11.8 | 9.2 | 3.6 | 6.2 | 4 | 10.3 | |
| 37 | Nondefense: | | | | | | | | | | | | | | |
| 38 | 1987 dollars | -9.5 | 4.9 | 17.2 | -7.3 | -4.8 | -3.5 | -40.9 | 36.8 | 57.0 | -41.2 | -7.8 | -1.9 | -47.9 | |
| | 1982 dollars | -13.6 | 6.0 | 22.8 | -7.7 | -9.6 | -9.7 | -49.2 | 55.2 | 73.0 | -47.4 | -14.6 | -6.0 | -65.7 | |
| 39 | State and local: | | | | | | | | | | | | | | |
| 40 | 1987 dollars | 1.2 | 3.2 | 4.5 | 5.2 | 3.2 | 2.7 | 1.6 | -8 | 1.8 | 5 | 1.4 | 3.6 | .2 | |
| | 1982 dollars | 1.3 | 3.5 | 4.7 | 5.4 | 3.3 | 2.8 | 1.6 | -6 | 2.2 | .4 | 1.5 | 3.9 | .2 | |
| 41 | Addenda: | | | | | | | | | | | | | | |
| 42 | Gross domestic purchases: | | | | | | | | | | | | | | |
| 43 | 1987 dollars | 4.9 | 7.8 | 3.5 | 3.5 | 2.9 | 2.7 | 1.9 | .6 | .9 | 2.8 | 12.7 | 7.8 | 8.6 | |
| | 1982 dollars | 5.1 | 8.7 | 3.8 | 3.7 | 3.0 | 3.0 | 1.1 | .6 | .6 | 2.9 | 13.6 | 8.6 | 8.6 | |
| 44 | Final sales: | | | | | | | | | | | | | | |
| 45 | 1987 dollars | 2.9 | 4.3 | 4.4 | 2.9 | 2.7 | 3.4 | -6 | -1.5 | 6.1 | .2 | 5.8 | 5.0 | 3.7 | |
| | 1982 dollars | 3.0 | 4.7 | 5.0 | 2.7 | 2.9 | 3.7 | -1.1 | -2.6 | 7.1 | 1.3 | 4.9 | 5.0 | 3.8 | |
| 46 | GNP price index (fixed weights): | | | | | | | | | | | | | | |
| | 1987=100 | 3.9 | 3.8 | 3.1 | 2.3 | 3.3 | 3.8 | 4.4 | 5.7 | 3.8 | 3.9 | 3.1 | 4.0 | 3.3 | |
| | 1982=100 | 4.1 | 4.0 | 3.4 | 2.8 | 3.6 | 4.2 | 4.7 | 5.5 | 4.0 | 3.6 | 3.8 | 4.2 | 4.0 | |

Annual and Quarterly Percent Changes, 1982-88

| Seasonally adjusted at annual rates | | | | | | | | | | | | | | | | | | | | Line | |
|-------------------------------------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|----|
| 1984 | | | | 1985 | | | | 1986 | | | | 1987 | | | | 1988 | | | | | |
| I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV | | |
| 9.2 | 4.3 | 1.9 | 1.7 | 3.8 | 2.4 | 4.8 | 2.4 | 5.4 | .4 | 2.3 | 1.0 | 4.3 | 4.5 | 4.1 | 4.9 | 2.0 | 4.0 | 2.6 | 2.9 | 1 | |
| 10.7 | 5.5 | 2.6 | 1.7 | 4.9 | 2.4 | 4.1 | 3.0 | 6.4 | -8 | 1.0 | 1.4 | 4.6 | 5.0 | 4.5 | 6.1 | 3.4 | 3.0 | 2.5 | 2.4 | 2 | |
| 3.6 | 6.2 | 1.8 | 4.1 | 6.5 | 3.3 | 6.6 | 1.6 | 4.4 | 4.0 | 6.0 | 1.2 | .9 | 4.1 | 4.7 | -1.9 | 4.4 | 3.0 | 3.9 | 3.4 | 3 | |
| 3.7 | 6.4 | 1.9 | 4.3 | 6.8 | 3.2 | 6.8 | 1.9 | 4.8 | 4.3 | 6.3 | 1.2 | .6 | 4.3 | 4.6 | -2.1 | 4.5 | 3.0 | 3.9 | 3.5 | 4 | |
| 16.8 | 13.5 | 1.4 | 10.8 | 15.0 | 6.1 | 24.3 | -15.4 | 8.3 | 11.7 | 39.3 | -9.1 | -19.2 | 15.3 | 17.2 | -18.6 | 14.3 | 9.6 | -4 | 6.4 | 5 | |
| 17.1 | 13.3 | 2.3 | 11.3 | 14.8 | 6.5 | 23.3 | -13.1 | 8.0 | 12.6 | 37.4 | -7.5 | -17.8 | 14.5 | 16.5 | -17.3 | 14.7 | 9.8 | -2 | 6.1 | 6 | |
| 1.1 | 7.2 | .6 | .8 | 3.1 | 2.6 | 3.2 | 3.9 | 5.3 | 4.8 | -4 | 1.8 | 2.5 | -5 | 1.3 | -1.0 | .8 | .4 | 4.9 | 1.0 | 7 | |
| .9 | 6.9 | .7 | .8 | 3.4 | 2.3 | 3.4 | 4.0 | 5.8 | 4.9 | .2 | 1.8 | 2.1 | 0 | .9 | -6 | 1.0 | .4 | 5.0 | 1.3 | 8 | |
| 2.4 | 3.9 | 2.7 | 4.7 | 6.7 | 3.0 | 4.5 | 5.2 | 2.9 | 1.5 | 2.4 | 4.0 | 6.1 | 4.3 | 3.7 | 2.4 | 4.1 | 2.9 | 4.4 | 4.0 | 9 | |
| 2.4 | 4.2 | 2.7 | 4.9 | 7.1 | 2.8 | 4.5 | 5.4 | 3.2 | 1.5 | 2.1 | 3.9 | 6.3 | 4.5 | 3.7 | 2.2 | 4.0 | 2.8 | 4.5 | 4.2 | 10 | |
| 60.7 | -9 | 1.9 | -5.2 | -12.5 | 5.6 | -12.5 | 15.0 | 17.7 | -12.9 | -11.4 | -3.6 | 17.8 | 5.9 | -6 | 37.4 | -5.3 | -3.6 | 5.3 | -3 | 11 | |
| 66.0 | 2.0 | 3.6 | -5.0 | -12.4 | 8.6 | -17.0 | 20.8 | 19.8 | -14.4 | -14.2 | -6.9 | 20.9 | 8.8 | 4.8 | 38.6 | 2.3 | -7.4 | 6.3 | -4.9 | 12 | |
| 15.4 | 15.4 | 3.0 | 5.4 | 3.5 | 6.1 | -5.4 | 11.0 | -4.3 | .4 | -2 | .1 | -8.6 | 8.6 | 10.6 | .8 | .9 | 8.5 | 4.0 | 3.7 | 13 | |
| 16.6 | 17.3 | 5.6 | 7.3 | 3.0 | 8.0 | -5.3 | 12.3 | -4.9 | -2.4 | -2.5 | 1.5 | -6.5 | 10.6 | 15.1 | 1.7 | 3.3 | 10.5 | 4.1 | .8 | 14 | |
| 9.4 | 20.0 | 7.7 | 8.5 | 4.4 | 6.1 | -9.6 | 11.2 | -11.9 | -9.8 | -3.7 | -5 | -11.7 | 14.7 | 23.2 | .5 | 4.6 | 12.7 | 4.0 | .4 | 15 | |
| 11.6 | 22.3 | 10.8 | 11.0 | 3.5 | 8.8 | -9.0 | 12.9 | -11.7 | -12.0 | -6.5 | 1.6 | -8.3 | 16.8 | 28.4 | 1.7 | 7.6 | 15.0 | 4.0 | -2.9 | 16 | |
| 20.5 | 20.1 | 4.6 | 6.4 | 14.9 | 4.8 | -16.9 | 16.0 | -10.9 | -35.1 | -12.4 | 5.4 | -9.5 | .6 | 22.4 | 11.8 | -22.0 | 5.0 | 1.4 | .3 | 17 | |
| 19.9 | 20.6 | 4.2 | 3.6 | 11.3 | .8 | -14.5 | 12.3 | -12.2 | -41.9 | -14.9 | 7.1 | -8.7 | -3 | 25.6 | 13.4 | -22.4 | 3.3 | 2.6 | -1.0 | 18 | |
| 4.0 | 19.7 | 9.4 | 9.8 | -8 | 6.9 | -5.7 | 9.0 | -12.6 | 6.5 | .5 | -2.9 | -12.8 | 21.6 | 23.7 | -4.2 | 18.9 | 16.0 | 5.0 | .5 | 19 | |
| 7.5 | 23.4 | 14.4 | 14.8 | -3 | 13.1 | -6.2 | 13.4 | -11.5 | 6.0 | -2.8 | -5 | -8.0 | 24.3 | 29.4 | -2.4 | 21.6 | 19.2 | 4.6 | -3.5 | 20 | |
| 29.5 | 6.2 | -6.4 | -1.6 | 1.8 | 5.8 | 5.1 | 10.4 | 14.8 | 24.2 | 7.0 | 1.2 | -2.6 | -1.7 | -10.8 | 1.4 | -6.4 | 0 | 4.2 | 10.8 | 21 | |
| 29.3 | 6.2 | -6.3 | -1.6 | 1.7 | 6.2 | 4.9 | 10.4 | 14.3 | 23.9 | 6.9 | 1.4 | -2.6 | -1.6 | -10.7 | 1.3 | -6.5 | .2 | 4.3 | 10.9 | 22 | |
| | | | | | | | | | | | | | | | | | | | | | 23 |
| | | | | | | | | | | | | | | | | | | | | | 24 |
| | | | | | | | | | | | | | | | | | | | | | 25 |
| | | | | | | | | | | | | | | | | | | | | | 26 |
| 7.7 | 6.0 | 9.5 | -4.4 | -7.6 | -4.0 | -5.7 | 4.9 | 6.7 | -2.8 | 4.8 | 7.3 | 7.7 | 20.6 | 21.8 | 16.4 | 20.4 | 9.8 | 15.2 | 7.0 | 27 | |
| 8.4 | 7.2 | 10.8 | -2.2 | -5.6 | -3.8 | -5.3 | 5.4 | 8.0 | -2.5 | 7.7 | 9.5 | 7.5 | 23.6 | 25.7 | 17.7 | 25.7 | 9.1 | 14.5 | 6.5 | 28 | |
| 35.3 | 25.0 | 8.1 | 5.2 | -10.7 | 11.4 | .5 | 16.5 | -6 | 13.7 | 8.9 | 2.2 | -2 | 10.2 | 15.1 | 10.4 | 5.9 | -6.2 | 12.6 | 15.4 | 29 | |
| 33.0 | 25.5 | 6.8 | 6.4 | -15.0 | 16.3 | .4 | 20.2 | -1.9 | 19.4 | 15.2 | -5 | -1.9 | 11.5 | 23.4 | 9.9 | 6.9 | -3.7 | 13.1 | 13.5 | 30 | |
| 6.2 | 12.5 | 2.2 | 5.0 | 6.5 | 4.8 | 16.9 | 2.2 | -4.3 | 8.9 | 4.3 | 1.6 | 2.0 | 1.2 | 4.4 | 4.0 | -5.4 | 4.1 | -3.9 | 9.6 | 31 | |
| 6.9 | 17.7 | 2.6 | 5.2 | 7.3 | 6.5 | 19.8 | 1.6 | -5.7 | 9.5 | 4.3 | 4.0 | -8 | -4 | 5.7 | 5.0 | -7.9 | 3.9 | -5.2 | 11.9 | 32 | |
| 7.4 | 27.6 | -6 | 7.0 | 10.3 | 1.7 | 34.9 | 1.2 | -17.5 | 13.9 | 3.9 | -9 | -1.5 | 1.4 | 9.8 | 4.5 | -16.7 | 5.6 | -10.8 | 15.8 | 33 | |
| 8.5 | 40.5 | -1 | 6.9 | 11.8 | 5.7 | 40.2 | -4 | -19.4 | 14.2 | 3.8 | 4.6 | -7.4 | -2.3 | 12.6 | 6.7 | -21.0 | 4.7 | -13.2 | 20.7 | 34 | |
| 4.6 | 8.5 | -2.2 | 14.5 | 6.4 | 3.0 | 19.8 | -1.5 | -2.3 | 15.6 | 16.6 | -12.8 | 8.5 | 10.2 | 7.1 | -3.3 | -5.8 | -1.1 | -8.3 | 6.7 | 35 | |
| 4.8 | 7.1 | -1.5 | 16.2 | 8.6 | 6.0 | 19.4 | -4.2 | -5 | 17.1 | 16.7 | -11.2 | 6.3 | 12.7 | 7.3 | -1.9 | -5.3 | -1.5 | -10.5 | 9.9 | 36 | |
| 18.2 | 110.0 | 3.2 | -12.0 | 23.2 | -1.8 | 86.6 | 8.2 | -48.2 | 8.6 | -27.9 | 47.8 | -26.8 | -24.0 | 20.0 | 35.9 | -45.6 | 33.3 | -18.7 | 52.6 | 37 | |
| 24.0 | 237.5 | 4.2 | -16.2 | 21.8 | 4.6 | 116.3 | 9.8 | -54.2 | 6.0 | -29.0 | 74.9 | -39.8 | -41.6 | 35.4 | 43.8 | -60.1 | 33.2 | -22.5 | 71.5 | 38 | |
| 5.4 | 3.0 | 4.3 | 3.6 | 3.8 | 7.0 | 5.2 | 3.1 | 6.7 | 5.5 | 4.6 | 3.5 | 4.5 | 1.2 | .7 | 3.6 | 3.3 | 3.1 | 1.1 | 5.6 | 39 | |
| 5.9 | 3.3 | 4.4 | 4.0 | 3.8 | 7.3 | 5.6 | 3.2 | 7.0 | 6.0 | 4.8 | 3.6 | 4.6 | 1.1 | .6 | 3.8 | 3.5 | 3.2 | 1.1 | 6.0 | 40 | |
| 11.8 | 6.1 | 1.9 | 2.7 | 3.2 | 3.9 | 5.3 | 3.7 | 4.6 | 2.1 | 2.9 | .6 | 3.5 | 3.8 | 3.8 | 4.5 | .8 | 2.1 | 2.6 | 4.0 | 41 | |
| 13.4 | 7.6 | 2.3 | 2.7 | 3.2 | 4.8 | 4.6 | 4.8 | 5.1 | 1.8 | 2.2 | 4 | 3.4 | 4.1 | 4.8 | 5.4 | 1.6 | 1.3 | 2.5 | 3.5 | 42 | |
| 3.3 | 6.9 | 2.1 | 3.5 | 6.8 | 2.4 | 6.1 | 1.9 | 2.0 | 2.7 | 4.3 | 1.5 | .4 | 4.9 | 5.8 | -1 | 3.1 | 6.0 | 2.4 | 3.5 | 43 | |
| 3.7 | 8.1 | 2.9 | 4.0 | 8.0 | 2.3 | 6.6 | 1.6 | 2.1 | 1.6 | 3.3 | 2.9 | .2 | 5.3 | 6.1 | .4 | 3.6 | 6.3 | 2.0 | 3.5 | 44 | |
| 4.3 | 3.8 | 3.3 | 4.7 | 3.0 | 1.8 | 2.4 | 2.6 | 1.7 | 2.4 | 2.9 | 2.5 | 3.8 | 3.7 | 3.5 | 3.4 | 3.0 | 4.8 | 4.8 | 4.2 | 45 | |
| 4.5 | 3.8 | 3.4 | 3.2 | 3.8 | 3.3 | 2.8 | 3.3 | 2.2 | 2.4 | 3.0 | 2.8 | 4.2 | 4.2 | 3.7 | 3.8 | 3.5 | 5.0 | 5.3 | 4.2 | 46 | |

Table 3.—Difference in Annual Percent Change in Real GNP and in Real GNP Excluding Business Expenditures in Computers, 1983–88

| | GNP | | | GNP excluding business expenditures on computers | | |
|---|--------------|--------------|------------|--|--------------|------------|
| | 1982 dollars | 1987 dollars | Difference | 1982 dollars | 1987 dollars | Difference |
| | (1) | (2) | (3) | (4) | (5) | (6) |
| 1983..... | 3.6 | 3.5 | -0.1 | 3.2 | 3.4 | 0.2 |
| 1984..... | 6.8 | 6.0 | -0.8 | 6.3 | 5.9 | -0.4 |
| 1985..... | 3.4 | 3.0 | -0.4 | 2.9 | 2.8 | -0.1 |
| 1986..... | 2.8 | 3.0 | 0.2 | 2.8 | 2.9 | 0.1 |
| 1987..... | 3.4 | 3.2 | -0.2 | 3.1 | 3.1 | 0 |
| 1988..... | 3.9 | 3.5 | -0.4 | 3.4 | 3.3 | -0.1 |
| Average difference: With regard to sign..... | | | -0.3 | | | -0.1 |
| Without regard to sign..... | | | 0.4 | | | 0.2 |

changes, reflecting smaller weights assigned to these components in the 1987-dollar measure than in the 1982-dollar measure.³

In each of the last three quarters of 1988, the 1987-dollar measure increased more rapidly than the 1982-dollar measure. The sources of the difference between these two measures vary by quarter. In the second quarter, most of the difference can be traced to the decumulation of inventories—largely inventories of food and energy. In the third quarter, most of the difference reflects food components that registered declines. In the fourth quarter, the difference is largely due to declines in computers and in energy components. (It is likely that the pattern of the previous three quarters will be reversed in the first quarter of 1989, and the 1982-dollar measure will increase more than the 1987-dollar measure.)

GNP components

Table 4 shows the effect of restating the components of real GNP in 1987 dollars. For the major components, the tendency is widespread for the growth in the 1987-dollar measures to be less than the growth in the 1982-dollar measures. The exceptions are nonresidential structures and residential fixed investment, change in business inventories, and Federal nondefense purchases. Much the same pat-

Table 4.—Difference in Average Annual Rate of Change in Real GNP and Its Major Components, 1982–88

| | 1987 dollars | 1982 dollars | Difference |
|---|--------------|--------------|------------|
| GNP..... | 3.7 | 4.0 | -0.3 |
| Personal consumption expenditures..... | 3.8 | 4.0 | -0.2 |
| Durable goods..... | 8.1 | 8.4 | -0.3 |
| Nondurable goods..... | 2.5 | 2.6 | -0.1 |
| Services..... | 3.7 | 3.8 | -0.1 |
| Gross private domestic investment..... | 7.3 | 8.3 | -1.0 |
| Fixed investment..... | 5.4 | 6.3 | -0.9 |
| Nonresidential..... | 3.4 | 4.9 | -1.5 |
| Structures..... | -1.4 | -2.2 | 0.8 |
| Producers' durable equipment..... | 5.9 | 8.4 | -2.5 |
| Residential..... | 10.6 | 10.5 | 0.1 |
| Change in business inventories..... | | | |
| Net exports of goods and services..... | | | |
| Exports..... | 4.4 | 5.7 | -1.3 |
| Imports..... | 9.6 | 10.3 | -0.7 |
| Government purchases of goods and services..... | | | |
| Federal..... | 3.3 | 3.4 | -0.1 |
| National defense..... | 3.2 | 3.2 | 0 |
| Nondefense..... | 4.6 | 5.1 | -0.5 |
| State and local..... | -0.9 | -2.7 | 1.8 |
| State and local..... | 3.3 | 3.5 | -0.2 |
| Addenda: | | | |
| Gross domestic purchases..... | 4.2 | 4.5 | -0.3 |
| Final sales..... | 3.4 | 3.6 | -0.2 |
| GNP price index (fixed weights)..... | 3.4 | 3.7 | -0.3 |

tern occurred in the comprehensive revision in 1985, when real GNP was restated from 1972 dollars to 1982 dollars.

The more rapid growth in nonresidential structures in 1987 dollars reflects the depressed level of oil and gas drilling in the 1980's. In terms of both quantities and prices, oil and gas drilling increased less than other types of construction. Thus, the smaller-than-average growth of this type of construction was assigned less weight in the 1987-dollar measure than in the 1982-dollar measure. The more rapid growth in Federal nondefense purchases is largely due to purchases by the Commodity Credit Corporation, which increased more slowly than other components in terms of both quantities and prices.

As expected, growth in producers' durable equipment (PDE) in 1987 dollars is substantially less than in 1982 dollars. Because of the smaller price weight assigned to business expenditures on computers, growth in PDE is reduced from 8.4 percent in the 1982-dollar measure to 5.9 percent in the 1987-dollar measure.

The slower growth in exports and in imports in the 1987-dollar measure reflects the smaller weights assigned to computers in that measure. For Federal defense purchases, the slower growth in the 1987-dollar measure is due partly to computers and partly to compensation of employees; the latter

Table 5.—The Number of Detailed Components Used in Calculating Real GNP

| | 1982 dollars | 1987 dollars |
|---|--------------|--------------|
| GNP..... | 17,811 | 1,211 |
| Personal consumption expenditures..... | 186 | 186 |
| Durable goods..... | 38 | 38 |
| Nondurable goods..... | 52 | 52 |
| Services..... | 96 | 96 |
| Gross private domestic investment..... | 349 | 191 |
| Fixed investment..... | 224 | 66 |
| Nonresidential..... | 206 | 51 |
| Structures..... | 17 | 17 |
| Producers' durable equipment..... | 189 | 34 |
| Residential..... | 18 | 15 |
| Change in business inventories..... | 125 | 125 |
| Net exports of goods and services..... | 181 | 39 |
| Exports..... | 82 | 19 |
| Imports..... | 89 | 20 |
| Government purchases of goods and services..... | 17,095 | 795 |
| Federal..... | 17,000 | 700 |
| National defense..... | 15,000 | 500 |
| Nondefense..... | 2,000 | 200 |
| State and local..... | 95 | 95 |
| Addenda: | | |
| GNP excluding Federal Government purchases of goods and services..... | 811 | 511 |

component increased less in quantity and more in price than the other types of purchases.

How the estimates were computed

For most of the major components of GNP, the 1987-dollar estimates were obtained by deflating the current-dollar estimates at the same level of detail used for the 1982-dollar estimates (see table 5). For some components, however, it was not practical to carry out the computations at this level of detail; less detail was used for producers' durable equipment, exports, imports, and Federal Government purchases. For Federal defense purchases, BEA uses information from the Department of Defense on the prices paid for 15,000 commodities in the deflation of current-dollar expenditures. In calculating the 1987-dollar estimates, it was necessary to summarize this information into 500 categories. For Federal nondefense purchases, it was necessary to summarize 2,000 categories into 200 categories. Excluding Federal Government purchases, about 500 components were used to derive the 1987-dollar measure of real GNP, compared with about 800 for the 1982-dollar measure. The net effect of carrying out the deflation of the 1987-dollar estimates in less detail is judged to be very small for total GNP. For each of the major components, it is likely that the net effect is small relative to the difference in the change between the 1987- and 1982-dollar measures.

3. The energy components and food components of GNP refer to all the components for which separate estimates are prepared. The major energy components that are not included are (1) exports of energy, (2) the gasoline and motor oil portions of inventories of gasoline service stations, and (3) the energy portions of inventories of businesses that do not produce energy for sale. The major food component that is not included is purchases of food by the Federal Government other than transactions by the Commodity Credit Corporation that are treated like purchases.

REGIONAL PERSPECTIVES

Per Capita Personal Income: Continued Widening of Regional Differences in 1988

IN 1988, the gap in per capita personal income (as a percent of the U.S. average) between the highest income region—New England—and the lowest income region—Rocky Mountain—was wider than in any year since 1969. The widening of regional differences in per capita income continued the pattern of the current economic expansion. In each year since 1982, per capita income in the high-income regions of New England and the Mideast has increased faster than the U.S. average; in the low-income Rocky Mountain and Southwest regions, it has increased slower than the average. In contrast to this widening, in the three other expansions since 1969, regional differences in per capita income had narrowed.¹

By slipping into last place in 1988, the Rocky Mountain region became the first region to record a per capita income below that of the Southeast region, which had been in last place since 1929—the earliest year for which BEA estimates regional per capita income (chart 9). Rocky Mountain per capita income, at \$14,282 in 1988, was 13 percent below the U.S. average of \$16,444, the region's lowest relative level since 1937. In the Southeast, per capita income was \$14,331; in the Southwest, it was \$14,365. In the Rocky Mountain and Southwest regions, the below-average growth in per capita income since 1982 reflects the continuing weakness in oil and gas exploration.

NOTE.—This article was written by Howard L. Friedenberg and Rudolph E. DePass.

1. Chart 9 shows that widening began in 1979, 3 years before the current expansion. In contrast, during the five decades prior to 1979, regional differences in per capita income had narrowed.

Table 1.—Per Capita Personal Income and Its Components for the United States and BEA Regions, 1982 and 1988

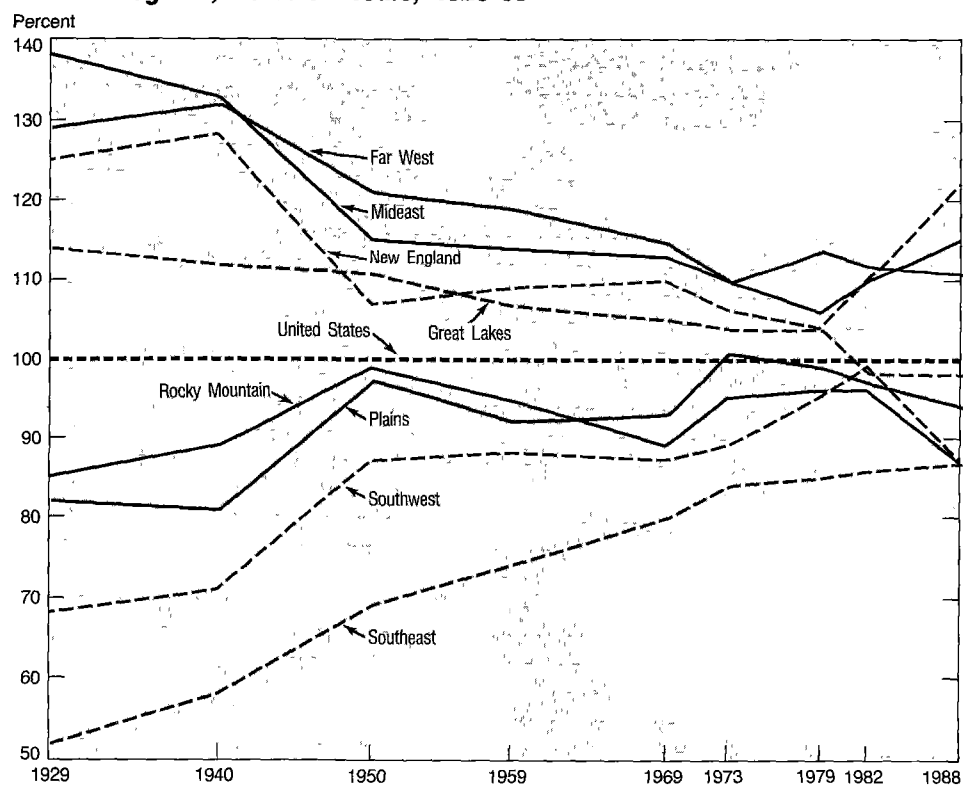
| | Per capita personal income | | | | Average annual percent change, 1982-88 | | |
|---------------------|----------------------------|--------|-------------------------|------|--|-----------------------|------------|
| | Dollars | | Percent of U.S. average | | Per capita personal income | Total personal income | Population |
| | 1982 | 1988 | 1982 | 1988 | | | |
| United States..... | 11,481 | 16,444 | 100 | 100 | 6.2 | 7.2 | 1.0 |
| New England..... | 12,572 | 20,013 | 110 | 122 | 8.1 | 8.8 | .7 |
| Mideast..... | 12,592 | 18,904 | 110 | 115 | 7.0 | 7.5 | .5 |
| Far West..... | 12,840 | 18,235 | 112 | 111 | 6.0 | 8.1 | 1.9 |
| Great Lakes..... | 11,292 | 16,161 | 98 | 98 | 6.2 | 6.4 | .2 |
| Plains..... | 11,109 | 15,495 | 97 | 94 | 5.7 | 6.1 | .4 |
| Southwest..... | 11,335 | 14,365 | 99 | 87 | 4.0 | 5.6 | 1.5 |
| Southeast..... | 9,877 | 14,331 | 86 | 87 | 6.4 | 7.8 | 1.3 |
| Rocky Mountain..... | 11,028 | 14,282 | 96 | 87 | 4.4 | 5.2 | .8 |

The above-average increase since 1982 in per capita income in the New England and Mideast regions reflects rapid growth in total personal income combined with below-average population growth (table 1). Per capita income in New England, at \$20,013 in 1988, was 22 percent above the U.S. average, the region's highest relative level since 1942.

Per capita income in the Plains region was below U.S. per capita income in each year of the current expansion, and it increased more slowly than the U.S. average in most of these years. In the Far West, Great Lakes, and Southeast regions, per capita income relative

CHART 9

Per Capita Personal Income as a Percent of the U.S. Average for BEA Regions, Selected Years, 1929-88



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

89-49

to the U.S. average has changed little since 1982.

Growth in high-income regions, 1982-88

In the New England and Mideast regions, rapid growth in service and construction industry payrolls boosted the growth of both total and per capita personal income. Population growth was dampened by relatively high housing costs, which discouraged workers from migrating to these regions despite increased job opportunities. Population growth in both regions was closer to the U.S. average in 1988 than earlier in the expansion.

In the Far West region, rapid population growth more than offset rapid growth in total personal income, resulting in a gain in per capita income slightly below the U.S. average.

Growth in low-income regions, 1982-88

In the Great Lakes region, a gain in per capita income equal to the U.S. average reflects offsetting growth in total personal income and in population.

In the Plains region, slow growth in total personal income led to a below-average gain in per capita income. Population also grew slowly, despite accelerations in 1987 and 1988. Weakness in the farm economy, particularly in the drought year of 1988, has held down personal income growth.

Table 2.—Per Capita Personal Income for Selected States, 1982 and 1988

| Rank | Selected States | Dollars | | Percent of U.S. average | |
|----------------------------|--------------------|---------|--------|-------------------------|------|
| | | 1982 | 1988 | 1982 | 1988 |
| High-income States: | | | | | |
| 1 | Connecticut..... | 14,460 | 22,761 | 126 | 138 |
| 2 | New Jersey..... | 13,966 | 21,882 | 122 | 133 |
| 3 | Massachusetts..... | 12,751 | 20,701 | 111 | 126 |
| 4 | Alaska..... | 17,371 | 19,514 | 151 | 119 |
| 5 | Maryland..... | 12,736 | 19,314 | 111 | 117 |
| 6 | New York..... | 12,703 | 19,299 | 111 | 117 |
| 7 | New Hampshire..... | 11,593 | 19,016 | 101 | 116 |
| 8 | California..... | 13,238 | 18,855 | 115 | 115 |
| 9 | Delaware..... | 11,953 | 17,699 | 104 | 108 |
| 10 | Virginia..... | 11,630 | 17,640 | 101 | 107 |
| Low-income States: | | | | | |
| 41 | Montana..... | 10,084 | 12,670 | 88 | 77 |
| 42 | Idaho..... | 9,284 | 12,657 | 81 | 77 |
| 43 | Alabama..... | 8,836 | 12,604 | 77 | 77 |
| 44 | New Mexico..... | 9,509 | 12,481 | 83 | 76 |
| 45 | South Dakota..... | 9,489 | 12,475 | 83 | 76 |
| 46 | Louisiana..... | 10,235 | 12,193 | 89 | 74 |
| 47 | Arkansas..... | 8,604 | 12,172 | 75 | 74 |
| 48 | Utah..... | 9,041 | 12,013 | 79 | 73 |
| 49 | West Virginia..... | 9,007 | 11,658 | 78 | 71 |
| 50 | Mississippi..... | 8,006 | 10,992 | 70 | 67 |

In the Southwest and Rocky Mountain regions, slow growth in total personal income contributed to below-average gains in per capita income. Weakness in oil and gas exploration and in related activities, such as construction and financial services, dampened personal income growth. From 1982 to 1986, population migration to the Southwest was substantial despite reduced job opportunities in energy-related industries; after 1986, migration slowed considerably. Population in the Rocky Mountain region grew slower than the U.S. average from 1984 to 1987 and declined in 1988, following above-average growth earlier in the expansion.

The Southeast was the only low-income region in which per capita income grew faster than the U.S. average. Above-average gains in per capita income in the States along the Atlantic Coast and in Tennessee more than offset below-average gains in the other Southeast States; the net result was a gain in regional per capita income slightly above the U.S. average. In each of the Atlantic Coast States, rapid growth in durables manufacturing, construction, and service industry payrolls accounted for above-average gains in per capita income, despite rapid growth in population. In the States with below-average gains in per capita income, slow growth in total personal income was the restraining factor; population also grew slowly.

Per capita income by State

A similar picture of a widening of differences in per capita income from 1982 to 1988 emerges when the focus is on States instead of on regions. In 8 of the 10 States with the highest per capita income in 1988, per capita income as a percent of the U.S. average was higher in 1988 than in 1982 (table 2). Most of the high-income States are in the New England and Mideast regions. Similarly, in 9 of the 10 States with the lowest per capita income in 1988, per capita income as a percent of the U.S. average was lower in 1988 than in 1982. Most of the low-income States are in the Rocky Mountain and Southeast regions.

Growth in Metropolitan and Nonmetropolitan Areas: An Update

ECONOMIC and demographic growth rate differences between U.S. metropolitan (metro) statistical areas and nonmetropolitan (nonmetro) areas continued to widen as the 1980's progressed. On the basis of estimates through 1987, the amount by which metro growth rates exceeded nonmetro growth rates was larger and the difference more regionally pervasive than reported in two previous articles, which tracked the turnaround from the patterns of the 1970's and the apparent restoration of pre-1970's trends.¹

The earlier articles also critiqued competing hypotheses that purported to explain the shifts between the urbanization that characterized the population and industrial location patterns of the pre-1970's and the counterurbanization of the 1970's. This update, using estimates through 1987, compares the 1980's with the 1970's and, with the introduction of employment data, summarizes the principal industrial developments underlying the shifting patterns.

Four aggregates are presented in table 1: Total personal income, total population, total earnings, and total employment.² Population and personal income are measured by place of residence, whereas earnings and employment are measured by place

of employment. For any individual, the place of residence may or may not correspond to the place of employment; that is, persons may reside in one county and commute to work in another—more frequently from nonmetro to metro areas than the reverse.

In the 1980's, the average annual growth rates of all four aggregates in metro areas exceeded those in nonmetro areas nationally and regionally, except for New England. In New England, all aggregates but total earnings grew faster in nonmetro areas. In the 1970's, growth rates in nonmetro areas of all aggregates but total employment exceeded those in metro areas nationally and in the four more urbanized regions—New England, Mideast, Great Lakes, and Far West. Metro area growth rates in both decades continued to exceed nonmetro growth rates in the four less urbanized regions—Plains, Southeast, Southwest, and Rocky Mountain.

Increasingly, the prime mover in the fortunes of metro areas is the concentration and growth of higher paid jobs—particularly in the financial, professional, and business services industries. It explains much of the relative improvement experienced by metro areas in three of the four more urbanized regions in the 1980's. It also explains the exception of the higher relative growth rate for the earnings aggregate in the New England metro areas. Further, it helps explain the continued relative advantage of metro areas in the four less urbanized regions.

The relatively advantageous growth experience of nonmetro areas in the 1970's resulted from a continuation of trends and from transitory economic

developments. The geographic dispersion of manufacturing jobs out of the metro areas in the Northeast-Great Lakes manufacturing belt is an example of these trends. Soaring primary commodity prices in the early 1970's exemplify a more transitory development. The product of trends and transitory developments explains why the employment aggregate was the one exception to the nonmetro growth advantage in the 1970's and why that advantage with respect to the other aggregates was lost in the 1980's.

Much of the primary commodities production concentrated in nonmetro areas—particularly in the less urbanized regions—is characterized by relative price inelasticity of demand. Thus, prices and incomes tend to be more volatile than employment with respect to such commodities. In the early 1970's, supply shocks led to soaring petroleum, grain, and oilseed prices, and hoarding led to soaring prices for copper and other industrial raw materials perceived to be in short supply. The initial supply response slowed the decades-long attrition of farm households and turned around the long-term decline in jobs in a number of mining industries in nonmetro areas. A construction boom that attended the rising incomes further raised nonmetro employment. However, that increase was not quite as large as the increase in metro employment, which benefited from the provision of services and construction to the favored nonmetro areas.

Speculative excesses implied by booms tend to result in collapsing prices subsequently, particularly when monetary policy turns disinflationary,

1. Daniel H. Garnick, "Shifting Patterns in the Growth of Metropolitan and Nonmetropolitan Areas," *SURVEY OF CURRENT BUSINESS* 63 (May 1983): 39-44 and "Patterns of Growth in Metropolitan and Nonmetropolitan Areas: An Update," *SURVEY* 65 (May 1985): 33-38.

2. The earnings aggregate is measured as the sum of wages and salaries, other labor income, and proprietors' and partners' income. Employment is measured as a count of jobs—that is, the number of jobs and of proprietors and general partners reported on administrative and tax records—rather than as a count of persons employed.

Table 1.—Average Annual Growth Rates: Total Personal Income, Population, Earnings, and Employment, 1969-79 and 1979-87

| United States and Regions: MSA and non-MSA portions ¹ MSA size classes ² | 1969-79 | | | | 1979-87 | | | |
|--|-----------------------|------------------|----------------|------------------|-----------------------|------------------|----------------|------------------|
| | Place of residence | | Place of work | | Place of residence | | Place of work | |
| | Total personal income | Total population | Total earnings | Total employment | Total personal income | Total population | Total earnings | Total employment |
| United States ³ | 10.22 | 1.10 | 9.67 | 2.23 | 8.05 | 1.01 | 7.38 | 1.87 |
| Sum of non-MSA counties..... | 11.15 | 1.28 | 10.23 | 2.17 | 6.94 | .62 | 5.54 | .89 |
| Sum of MSA counties..... | 10.01 | 1.04 | 9.56 | 2.25 | 8.31 | 1.13 | 7.74 | 2.11 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 11.02 | 1.53 | 10.37 | 2.67 | 7.65 | 1.07 | 6.50 | 1.64 |
| .5 to 1 million..... | 10.24 | 1.20 | 9.73 | 2.38 | 8.45 | 1.10 | 7.68 | 2.21 |
| 1 to 2 million..... | 10.35 | 1.27 | 10.02 | 2.72 | 8.63 | 1.39 | 8.09 | 2.50 |
| Over 2 million..... | 9.20 | .52 | 8.83 | 1.67 | 8.44 | 1.05 | 8.25 | 2.15 |
| New England..... | 8.95 | .51 | 8.52 | 1.68 | 9.45 | .50 | 9.43 | 2.50 |
| Sum of non-MSA counties..... | 10.40 | 1.53 | 9.16 | 2.17 | 9.65 | .98 | 9.05 | 3.00 |
| Sum of MSA counties..... | 8.73 | .33 | 8.43 | 1.60 | 9.42 | .40 | 9.48 | 2.42 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 10.12 | 1.24 | 9.43 | 2.41 | 10.03 | .88 | 9.64 | 2.89 |
| .5 to 1 million..... | 8.68 | .24 | 8.18 | 1.38 | 8.93 | .30 | 8.64 | 1.88 |
| 1 to 2 million..... | 8.67 | .26 | 8.44 | 1.80 | 9.49 | .58 | 9.54 | 2.47 |
| Over 2 million..... | 8.21 | -.03 | 8.26 | 1.36 | 9.60 | .20 | 10.07 | 2.64 |
| Midwest..... | 8.41 | .06 | 7.76 | .75 | 8.23 | .26 | 7.85 | 1.63 |
| Sum of non-MSA counties..... | 9.44 | .82 | 8.30 | 1.32 | 7.28 | .16 | 6.16 | 1.14 |
| Sum of MSA counties..... | 8.34 | -.02 | 7.73 | .70 | 8.30 | .27 | 7.96 | 1.67 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 9.65 | .59 | 8.66 | 1.41 | 7.59 | .24 | 6.38 | 1.15 |
| .5 to 1 million..... | 9.07 | .43 | 8.47 | 1.41 | 8.40 | .33 | 7.48 | 1.82 |
| 1 to 2 million..... | 8.08 | -.25 | 8.06 | .99 | 8.95 | -.02 | 8.55 | 1.87 |
| Over 2 million..... | 7.92 | -.27 | 7.31 | .29 | 8.29 | .29 | 8.27 | 1.70 |
| Great Lakes..... | 9.37 | .42 | 8.82 | 1.47 | 6.32 | .09 | 5.34 | .70 |
| Sum of non-MSA counties..... | 10.33 | .96 | 9.31 | 1.67 | 5.90 | .08 | 4.58 | .43 |
| Sum of MSA counties..... | 9.15 | .27 | 8.73 | 1.42 | 6.42 | .09 | 5.48 | .76 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 9.98 | .76 | 9.48 | 1.96 | 6.39 | .18 | 5.11 | .74 |
| .5 to 1 million..... | 9.05 | .19 | 8.48 | 1.36 | 5.96 | -.06 | 4.58 | .48 |
| 1 to 2 million..... | 8.88 | .09 | 8.60 | 1.50 | 6.78 | .18 | 5.94 | 1.08 |
| Over 2 million..... | 8.74 | -.02 | 8.36 | .94 | 6.38 | .01 | 5.77 | .67 |
| Plains..... | 10.27 | .54 | 9.77 | 2.19 | 6.92 | .39 | 6.03 | 1.08 |
| Sum of non-MSA counties..... | 10.53 | .42 | 9.66 | 1.83 | 5.93 | -.11 | 4.40 | .18 |
| Sum of MSA counties..... | 10.10 | .64 | 9.83 | 2.44 | 7.57 | .79 | 6.89 | 1.69 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 10.95 | .96 | 10.69 | 2.90 | 6.69 | .58 | 5.69 | 1.17 |
| .5 to 1 million..... | 9.88 | .74 | 9.50 | 2.33 | 6.98 | .58 | 6.52 | 1.66 |
| 1 to 2 million..... | 10.08 | .53 | 9.69 | 2.08 | 7.60 | 1.01 | 6.88 | 1.83 |
| Over 2 million..... | 9.51 | .39 | 9.29 | 2.21 | 8.30 | .94 | 7.82 | 2.07 |
| Southeast..... | 11.67 | 1.81 | 10.89 | 2.75 | 8.80 | 1.39 | 8.04 | 2.37 |
| Sum of non-MSA counties..... | 11.75 | 1.42 | 10.71 | 2.12 | 7.55 | .73 | 6.17 | 1.00 |
| Sum of MSA counties..... | 11.63 | 2.04 | 10.96 | 3.06 | 9.31 | 1.75 | 8.72 | 2.98 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 11.55 | 1.92 | 10.71 | 2.64 | 8.54 | 1.47 | 7.35 | 2.15 |
| .5 to 1 million..... | 11.61 | 1.88 | 11.06 | 3.14 | 9.27 | 1.67 | 8.66 | 2.91 |
| 1 to 2 million..... | 11.79 | 2.38 | 11.04 | 3.33 | 9.23 | 1.81 | 8.91 | 3.18 |
| Over 2 million..... | 11.59 | 2.22 | 11.31 | 3.73 | 11.53 | 2.83 | 11.97 | 5.26 |
| Southwest..... | 12.72 | 2.44 | 12.42 | 3.85 | 8.37 | 2.31 | 7.45 | 2.37 |
| Sum of non-MSA counties..... | 12.18 | 1.75 | 11.48 | 2.57 | 7.19 | 1.40 | 5.32 | .93 |
| Sum of MSA counties..... | 12.88 | 2.70 | 12.66 | 4.25 | 8.68 | 2.62 | 7.93 | 2.76 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 12.31 | 2.06 | 11.82 | 3.48 | 7.45 | 1.81 | 6.19 | 1.51 |
| .5 to 1 million..... | 12.55 | 2.84 | 12.29 | 4.20 | 8.49 | 2.45 | 7.77 | 2.87 |
| 1 to 2 million..... | 12.68 | 2.95 | 12.10 | 4.23 | 10.61 | 3.45 | 9.92 | 4.27 |
| Over 2 million..... | 13.61 | 3.04 | 13.75 | 4.95 | 8.32 | 2.84 | 7.90 | 2.61 |
| Rocky Mountain..... | 12.76 | 2.68 | 12.56 | 4.51 | 7.38 | 1.54 | 6.45 | 1.79 |
| Sum of non-MSA counties..... | 12.61 | 2.38 | 12.04 | 3.98 | 6.14 | .97 | 4.72 | .74 |
| Sum of MSA counties..... | 12.86 | 2.88 | 12.84 | 4.83 | 8.04 | 1.90 | 7.28 | 2.37 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 13.34 | 3.22 | 13.11 | 5.12 | 7.64 | 1.68 | 6.64 | 2.22 |
| 1 to 2 million..... | 12.56 | 2.65 | 12.68 | 4.65 | 8.30 | 2.04 | 7.63 | 2.47 |
| Far West..... | 10.96 | 1.81 | 10.52 | 3.42 | 8.78 | 2.02 | 8.33 | 2.61 |
| Sum of non-MSA counties..... | 12.31 | 2.58 | 11.29 | 3.69 | 6.98 | 1.57 | 5.36 | 1.42 |
| Sum of MSA counties..... | 10.86 | 1.73 | 10.47 | 3.40 | 8.91 | 2.07 | 8.53 | 2.71 |
| Metro size classes: | | | | | | | | |
| Less than .5 million..... | 12.39 | 2.73 | 11.65 | 4.11 | 8.11 | 2.06 | 7.11 | 2.30 |
| .5 to 1 million..... | 12.41 | 2.73 | 11.77 | 4.00 | 9.02 | 2.68 | 8.20 | 3.16 |
| 1 to 2 million..... | 10.58 | 1.23 | 10.40 | 3.18 | 8.72 | 1.53 | 8.39 | 2.65 |
| Over 2 million..... | 10.36 | 1.54 | 10.01 | 3.23 | 9.29 | 2.30 | 9.07 | 2.82 |

A table that shows greater geographic disaggregation by county type than table 1 can be obtained from the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

1. Metropolitan counties are those defined by the Office of Management and Budget as of June 1988 as part of Metropolitan Statistical Areas (MSA's).

2. Metropolitan size classes are based on 1987 midyear estimates of population by the Bureau of the Census.

3. Alaska and Hawaii are included in U.S. totals but are not included in regions.

County and Metropolitan Area Personal Income, 1985-87

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, based on the current quarterly series, are released 4 months after the close of the reference year and published in the April SURVEY OF CURRENT BUSINESS. In the August SURVEY, more reliable annual estimates are published. These estimates are developed independently of the quarterly series and are prepared in greater component detail, primarily from Federal and State government administrative records. The annual estimates published in the August SURVEY are subsequently refined to incorporate newly available information used to prepare the current local area estimates. These revised

State estimates are published in the following April SURVEY, together with the current local area estimates. The annual estimates emerging from this three-step process are subject to further revision for several succeeding years (the State estimates in April and August and the local area estimates in April), as additional data become available. The routine revisions of the local area estimates for a given year are normally completed with the third April release. After that, the estimates will be changed only to incorporate a comprehensive revision of the national income and product accounts—which takes place approximately every 5 years—or to make important improvements to the estimates through the use of additional or more current State and local area data.

THIS article presents summary estimates of total and per capita personal income for 1985-87 for metropolitan areas and counties. Table 1 contains estimates for county-based metropolitan areas as defined for statistical purposes by the U.S. Office of Management and Budget. These areas include consolidated metropolitan statistical areas (CMSA's)—large, complex areas that consist of two or more primary metropolitan statistical areas (PMSA's)—and metropolitan statistical areas (MSA's). The metropolitan areas in New England are defined in terms of cities and towns rather than counties; the estimates presented here are for the alternative area definition—New England county metropolitan areas (NECMA's).¹ Table 2 contains estimates for 3,105 counties and county equivalents. The smaller independent cities of Virginia are combined with adjacent counties in these estimates.

The 1987 estimates are presented for the first time. The 1985 and 1986 estimates are revised and supersede those presented in the April 1988 SURVEY OF CURRENT BUSINESS. The local area estimates for 1969-87 reflect the December 1985 revision of the

national income and product accounts (NIPA's), which was extended to the local area personal income series in April 1988 (see the April 1988 SURVEY for a description of the major changes in sources and methods at the local area level). The estimates for 1982-87, 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, 1982-87*. 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 1969-87, in greater industrial detail, is available in several

Acknowledgments

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

Estimates of 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, Michael G. Pilot, and James M. Scott. Contributing staff members include E. Frances Bake, Elizabeth P. Cologer, Susan P. Den Herder, Eddie L. Key, Russell C. Lusher, Richard A. Lutyk, Elizabeth A. Mack, Lisa C. Ninomiya, Adrienne T. Pilot, William E. Reid, Jr., John A. Rusinko, Victor A. Sahadachny, and Jaime Zenzano.

Estimates of dividends, interest, rent, transfer payments, personal contributions for social insurance, tax and nontax payments, and the residence adjustments were prepared by the Quarterly Income Branch under the supervision of Robert L. Brown, Chief. Contributing staff members include John M. Reed, Albert Silverman, James P. Stehle, Isabelle B. Whiston, Ellen M. Wright, Daniel Zabronsky, and Marianne A. Ziver.

Estimates of proprietors' income were prepared by the Proprietors' Income Branch under the supervision of Bruce Levine, Chief. Major responsibilities were assigned to Charles A. Jolley and James M. Zavrel. Contributing staff members include Elaine M. Briccetti, Daniel R. Corrin, Kirk Fox, Richard H. Grayson, and Toui C. Pomsouvan.

The assembly of public use tabulations and data files and the preparation of the text and tables for this article were performed by the Regional Economic Information System Branch. Major responsibilities were assigned to Kathy A. Albetski, Wallace K. Bailey, Kenneth P. Berkman, and Gary V. Kennedy. Secretarial support was provided by Hilda G. Tolson. Contributing staff members include Eairla A. Hawkins, Louise T. Johnson, Susan J. Lease-Trevathan, Lela S. Lester, Jeffrey L. Newman, Michael J. Paris, Darlene C. Robinson, Elizabeth R. Self, 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: 1989*, (Washington, DC: U.S. Government Printing Office, 1988), pp. 890-899.

forms from BEA's Regional Economic Information System, as explained on page 41.

Definition of total and per capita personal income

The personal income of an area is defined as the income received by, or on behalf of, all the residents of the area. It consists of the income received by persons from all sources—that is, from participation in production, from both government and business transfer payments, and from government interest. Personal income is measured as the sum of wage and salary disbursements, other labor income, proprietors' income, rental income of persons, personal dividend income, personal interest income, and transfer payments, less personal contributions for social insurance.

In the national and regional economic accounts, persons are defined as individuals, nonprofit institutions serving individuals, private noninsured welfare funds, and private trust funds.

The definitions underlying the local area estimates of personal income are essentially the same as those underlying the personal income estimates in the NIPA's. The major difference is that the national estimates include the labor earnings of residents of the United States temporarily working abroad (mainly Federal civilian

and military personnel), whereas the local area estimates include only the income of persons residing in the 50 States and the District of Columbia. Specifically, the national personal income estimates include the income of Federal civilian and military personnel stationed abroad and of U.S. residents who are employed by U.S. firms and are on temporary foreign assignment. An "overseas" adjustment is made to the national estimates to exclude the labor earnings of these workers from the U.S. totals before the totals are extended to the State and local area levels.

Per capita personal income is computed by dividing the total personal income by population estimates provided by the Bureau of the Census. The population is measured as of July 1, except for the college student population, which is measured as of April 1.

The local area per capita personal income estimates should be used with caution for several reasons. In some instances, an unusually high or low per capita personal income is the temporary result of unusual conditions, such as a bumper crop or a hurricane. In other instances, the income levels of certain groups atypical of the resident population may cause a longer term high or low per capita personal income that is not indicative of the economic well-being of the area. For instance, a major construction project—such as a defense facility, power plant, or dam—may substantially raise the per capita

personal income of an area for several years because these projects attract highly paid workers whose income is measured at the construction site. This high per capita income is not indicative of the economic well-being of most of the residents of the area (or, in many cases, of the resident construction workers themselves, because they frequently send a substantial portion of their wages to dependents living in other areas).

Conversely, the presence of a large institutional population—such as that of a college or prison—will tend to keep the per capita personal income of an area at a lower level because the residents of these institutions have little income attributable to them at these institutions. This lower per capita personal income is not indicative of the economic well-being of most of the residents of the area (or, in some cases, of the institutional populations, because some of these populations, such as college students, typically receive support from their families living in other areas).

The per capita personal income estimates can also be misleading in areas where population is changing rapidly. Population is measured at midyear, whereas income is measured as a flow over the year; therefore, a significant change in population during the year can cause a distortion in the per capita personal income estimates, particularly if the change occurs around midyear.

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 1969-87. An expanded version of this table, which 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, and microcomputer diskettes. The tables for 1969-80 are also available on microfiche. Magnetic tape files are priced at \$100 per reel. For each table except the more detailed (two-digit SIC industry) income table, all years of data for all the counties or for all the metropolitan areas of the Nation are available on a single reel. The county file of the more detailed 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 or to place an order, call (202) 523-0966 or write to Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Table A.—Example of Available Data for Local Areas: Personal Income by Major Source and Earnings by Major Industry, 1982-87¹
[Thousands of dollars]

| New London County, Connecticut | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Income by Place of Residence | | | | | | |
| Total personal income..... | 3,038,646 | 3,329,695 | 3,666,298 | 3,884,327 | 4,043,862 | 4,393,502 |
| Nonfarm personal income..... | 3,013,532 | 3,307,540 | 3,629,839 | 3,854,425 | 4,005,803 | 4,357,324 |
| Farm income ² | 24,114 | 22,155 | 36,459 | 29,902 | 38,059 | 36,178 |
| Population (thousands) ³ | 241.1 | 244.2 | 245.9 | 245.5 | 245.0 | 247.3 |
| Per capita personal income (dollars)..... | 12,603 | 13,637 | 14,907 | 15,825 | 16,502 | 17,768 |
| Derivation of total personal income: | | | | | | |
| Total earnings by place of work..... | 2,331,046 | 2,620,860 | 2,881,734 | 3,046,348 | 3,054,153 | 3,317,067 |
| Less: Personal contributions for social insurance ⁴ | 134,581 | 151,142 | 166,846 | 184,217 | 187,015 | 201,367 |
| Plus: Residence adjustment ⁵ | -49,113 | -84,129 | -83,272 | -75,655 | 11,148 | 31,641 |
| Equals: Net earnings by place of residence..... | 2,047,352 | 2,385,589 | 2,631,616 | 2,786,476 | 2,878,286 | 3,147,341 |
| Plus: Dividends, interest, and rent ⁶ | 494,499 | 515,267 | 587,044 | 615,435 | 651,313 | 704,777 |
| Plus: Transfer payments..... | 397,795 | 428,839 | 447,638 | 482,416 | 514,263 | 541,384 |
| Earnings by Place of Work | | | | | | |
| Components of earnings: | | | | | | |
| Wage and salary disbursements..... | 1,990,541 | 2,230,534 | 2,448,172 | 2,598,705 | 2,587,577 | 2,818,256 |
| Other labor income..... | 223,099 | 250,246 | 260,044 | 264,314 | 254,107 | 270,297 |
| Proprietors' income ⁷ | 117,406 | 140,080 | 173,518 | 183,329 | 212,469 | 228,514 |
| Farm..... | 15,476 | 12,928 | 27,498 | 20,813 | 28,927 | 26,455 |
| Nonfarm..... | 101,930 | 127,152 | 146,020 | 162,516 | 183,542 | 202,059 |
| Earnings by industry: | | | | | | |
| Farm..... | 25,114 | 22,155 | 36,459 | 29,902 | 38,059 | 36,178 |
| Nonfarm..... | 2,305,932 | 2,598,705 | 2,845,275 | 3,016,446 | 3,016,094 | 3,280,889 |
| Private..... | 1,799,919 | 2,043,003 | 2,225,820 | 2,357,958 | 2,329,241 | 2,525,442 |
| Agricultural services, forestry, fisheries, and other ⁸ | 4,274 | 5,962 | 5,486 | 7,250 | 8,443 | 10,987 |
| Mining..... | 7,250 | 5,810 | 6,629 | 9,191 | 2,486 | 4,424 |
| Construction..... | 205,777 | 311,861 | 352,685 | 303,952 | 170,081 | 183,123 |
| Manufacturing..... | 912,847 | 953,525 | 1,002,541 | 1,068,113 | 1,076,297 | 1,095,848 |
| Nondurable goods..... | 191,865 | 204,148 | 217,847 | 237,860 | 250,840 | 263,537 |
| Durable goods..... | 720,982 | 749,377 | 784,694 | 830,253 | 825,457 | 832,311 |
| Transportation and public utilities..... | 99,362 | 111,606 | 126,082 | 151,110 | 152,876 | 169,636 |
| Wholesale trade..... | 58,466 | 63,010 | 67,355 | 74,281 | 75,706 | 86,302 |
| Retail trade..... | 181,189 | 209,669 | 231,850 | 257,778 | 283,108 | 314,779 |
| Finance, insurance, and real estate..... | 30,953 | 41,824 | 46,642 | 51,216 | 60,362 | 81,818 |
| Services..... | 299,801 | 339,736 | 386,550 | 435,067 | 499,882 | 578,525 |
| Government and government enterprises..... | 506,013 | 555,702 | 619,455 | 658,488 | 686,853 | 755,447 |
| Federal, civilian..... | 97,353 | 104,385 | 116,568 | 119,037 | 119,858 | 132,600 |
| Military..... | 222,974 | 246,283 | 273,489 | 284,586 | 292,670 | 309,739 |
| State and local..... | 185,686 | 205,034 | 229,398 | 254,865 | 274,325 | 313,108 |

1. Estimates based 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 1986-87 reflect revisions available as of September 1988. In some instances, estimates prior to 1986 are not consistent with those for 1986-87.
 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.
- ^b Not shown to avoid disclosure of confidential information.
^c Less than \$50,000. Estimates are included in totals.

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1985–87

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|--|-----------------------|-----------|-----------|-----------------------------|---|--------|--------|--------------|--|-----------------------|---------|---------|-----------------------------|---|--------|--------|--------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in U.S. | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in U.S. |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 |  | 1987 |
| United States ¹ | 3,317,545 | 3,522,203 | 3,768,696 | 7.0 | 13,899 | 14,609 | 15,484 | | Cheyenne, WY | 991 | 1,009 | 1,020 | 1.1 | 13,514 | 13,468 | 13,482 | 201 |
| Metropolitan portion | 2,716,099 | 2,889,601 | 3,097,289 | 7.2 | 14,839 | 15,593 | 16,525 | | Chicago, IL* | 98,057 | 103,367 | 109,926 | 6.3 | 15,893 | 16,716 | 17,733 | 39 |
| Nonmetropolitan portion | 601,446 | 632,602 | 671,407 | 6.1 | 10,805 | 11,341 | 11,996 | | Chico, CA | 1,875 | 2,020 | 2,199 | 8.9 | 11,545 | 12,226 | 13,013 | 228 |
| Consolidated Metropolitan Statistical Areas⁴ | | | | | | | | | Cincinnati, OH-KY-IN* | 19,544 | 20,779 | 22,253 | 7.1 | 13,828 | 14,551 | 15,472 | 93 |
| Buffalo, NY | 16,033 | 16,826 | 17,809 | 5.8 | 13,531 | 14,299 | 15,163 | | Clarksville-Hopkinsville, TN-KY | 1,530 | 1,614 | 1,736 | 7.6 | 9,937 | 10,341 | 11,087 | 306 |
| Chicago, IL | 126,297 | 133,609 | 142,405 | 6.6 | 15,630 | 16,484 | 17,480 | | Cleveland, OH* | 28,530 | 29,653 | 31,285 | 5.5 | 15,362 | 15,956 | 16,898 | 51 |
| Cincinnati, OH | 23,017 | 24,510 | 26,283 | 7.2 | 13,690 | 14,425 | 15,329 | | Colorado Springs, CO | 5,033 | 5,396 | 5,699 | 5.6 | 13,707 | 14,242 | 14,615 | 134 |
| Cleveland, OH | 40,581 | 42,301 | 44,660 | 5.6 | 14,636 | 15,259 | 16,141 | | Columbia, MO | 1,320 | 1,409 | 1,516 | 7.6 | 12,583 | 13,301 | 14,106 | 160 |
| Dallas, TX | 58,213 | 61,305 | 63,751 | 4.0 | 16,510 | 16,782 | 17,115 | | Columbia, SC | 5,332 | 5,746 | 6,190 | 7.7 | 12,234 | 12,935 | 13,714 | 185 |
| Denver, CO | 30,067 | 31,094 | 32,092 | 3.2 | 16,448 | 16,844 | 17,242 | | Columbus, GA-AL | 2,615 | 2,772 | 3,015 | 8.8 | 10,562 | 11,312 | 12,261 | 270 |
| Detroit, MI | 71,792 | 76,731 | 80,274 | 4.6 | 15,634 | 16,645 | 17,340 | | Columbus, OH | 17,699 | 18,855 | 20,208 | 7.2 | 13,755 | 14,758 | 15,308 | 104 |
| Houston, TX | 54,355 | 53,973 | 54,786 | 1.5 | 15,076 | 14,798 | 15,108 | | Corpus Christi, TX | 4,282 | 4,249 | 4,320 | 1.7 | 11,904 | 11,605 | 11,990 | 282 |
| Los Angeles, CA | 205,721 | 222,088 | 242,842 | 9.3 | 16,123 | 16,923 | 18,027 | | Cumberland, MD-WV | 1,104 | 1,153 | 1,220 | 5.8 | 10,701 | 11,274 | 11,979 | 284 |
| Miami, FL | 43,484 | 46,150 | 50,473 | 9.4 | 15,180 | 15,919 | 17,086 | | Dallas, TX* | 40,039 | 41,969 | 43,589 | 3.9 | 17,242 | 17,370 | 17,748 | 38 |
| Milwaukee, WI | 23,266 | 24,379 | 25,833 | 6.0 | 14,998 | 15,668 | 16,537 | | Danville, VA | 1,223 | 1,277 | 1,365 | 6.9 | 11,037 | 11,629 | 12,510 | 256 |
| New York, NY | 317,259 | 339,911 | 367,607 | 8.1 | 17,837 | 19,003 | 20,513 | | Davenport-Rock Island-Moline, IA-IL | 4,956 | 5,061 | 5,363 | 6.0 | 13,149 | 13,645 | 14,627 | 133 |
| Philadelphia, PA | 88,854 | 94,769 | 102,546 | 8.2 | 15,355 | 16,210 | 17,409 | | Dayton-Springfield, OH | 12,746 | 13,435 | 14,144 | 5.3 | 13,697 | 14,380 | 15,066 | 118 |
| Pittsburgh, PA | 31,972 | 33,079 | 34,921 | 5.6 | 13,696 | 14,326 | 15,207 | | Daytona Beach, FL | 3,888 | 4,222 | 4,612 | 9.2 | 12,509 | 13,124 | 13,895 | 172 |
| Portland, OR | 18,979 | 19,994 | 21,317 | 6.6 | 14,058 | 14,610 | 15,409 | | Decatur, AL | 1,389 | 1,486 | 1,611 | 8.4 | 10,865 | 11,526 | 12,272 | 268 |
| San Francisco, CA | 110,314 | 117,057 | 125,527 | 7.2 | 19,011 | 19,923 | 21,086 | | Decatur, IL | 1,663 | 1,713 | 1,801 | 5.1 | 12,970 | 13,551 | 14,456 | 144 |
| Seattle, WA | 35,455 | 38,286 | 41,051 | 7.2 | 15,754 | 16,728 | 17,539 | | Denver, CO* | 26,588 | 27,429 | 28,308 | 3.2 | 16,459 | 16,814 | 17,214 | 48 |
| Metropolitan Statistical Areas⁵ | | | | | | | | | Des Moines, IA | 5,514 | 5,811 | 6,228 | 7.2 | 14,549 | 15,220 | 16,173 | 68 |
| Abiene, TX | 1,642 | 1,626 | 1,645 | 1.2 | 13,358 | 13,053 | 13,372 | 210 | Detroit, MI* | 67,348 | 71,906 | 75,199 | 4.6 | 15,554 | 16,549 | 17,241 | 47 |
| Akron, OH* | 8,777 | 9,243 | 9,780 | 5.8 | 13,601 | 14,314 | 15,115 | 114 | Dothan, AL | 1,359 | 1,452 | 1,570 | 8.1 | 10,590 | 11,350 | 12,119 | 278 |
| Albany, GA | 1,248 | 1,302 | 1,362 | 4.6 | 10,617 | 11,077 | 11,626 | 292 | Dubuque, IA | 1,054 | 1,087 | 1,176 | 8.2 | 11,473 | 11,845 | 12,966 | 234 |
| Albany-Schenectady-Troy, NY | 11,782 | 12,662 | 13,616 | 7.5 | 14,041 | 15,030 | 16,087 | 72 | Duluth, MN-WI | 2,800 | 2,895 | 3,040 | 5.0 | 11,314 | 11,985 | 12,581 | 252 |
| Albuquerque, NM | 6,168 | 6,555 | 6,955 | 6.1 | 13,261 | 13,783 | 14,305 | 152 | Eau Claire, WI | 1,541 | 1,661 | 1,772 | 6.7 | 11,305 | 12,198 | 12,917 | 239 |
| Alexandria, LA | 1,467 | 1,525 | 1,564 | 2.6 | 10,545 | 10,894 | 11,151 | 304 | El Paso, TX | 4,923 | 5,142 | 5,433 | 5.7 | 8,962 | 9,192 | 9,484 | 314 |
| Allentown-Bethlehem, PA-NJ | 9,384 | 9,975 | 10,782 | 8.1 | 14,422 | 15,160 | 16,190 | 66 | Elkhart-Goshen, IN | 1,867 | 2,028 | 2,195 | 8.2 | 12,847 | 13,760 | 14,663 | 129 |
| Altoona, PA | 1,448 | 1,527 | 1,601 | 4.8 | 10,889 | 11,537 | 12,135 | 277 | Elmira, NY | 1,088 | 1,152 | 1,234 | 7.1 | 11,908 | 12,762 | 13,653 | 188 |
| Amarillo, TX | 2,653 | 2,667 | 2,791 | 4.6 | 13,691 | 13,560 | 14,153 | 156 | Emd, OK | 864 | 847 | 837 | -1.2 | 13,409 | 13,536 | 13,994 | 166 |
| Anaheim-Santa Ana, CA* | 40,170 | 43,555 | 47,586 | 9.3 | 18,886 | 20,030 | 21,444 | 8 | Erie, PA | 3,358 | 3,493 | 3,672 | 5.1 | 12,043 | 12,540 | 13,174 | 221 |
| Anchorage, AK | 4,873 | 4,871 | 4,697 | -3.6 | 20,974 | 21,111 | 21,102 | 11 | Eugene-Springfield, OR | 3,099 | 3,251 | 3,512 | 8.0 | 11,744 | 12,311 | 13,265 | 218 |
| Anderson, IN | 1,666 | 1,719 | 1,764 | 2.6 | 12,480 | 12,938 | 13,290 | 217 | Evansville, IN-KY | 3,741 | 3,931 | 4,119 | 4.8 | 13,268 | 14,024 | 14,661 | 130 |
| Anderson, SC | 1,457 | 1,549 | 1,679 | 8.4 | 10,453 | 11,059 | 11,876 | 287 | Fargo-Moorhead, ND-MN | 1,832 | 1,938 | 2,051 | 5.8 | 12,654 | 13,303 | 13,984 | 167 |
| Ann Arbor, MI* | 4,444 | 4,825 | 5,075 | 5.2 | 16,961 | 18,232 | 19,950 | 24 | Fayetteville, NC | 2,665 | 2,797 | 2,972 | 6.3 | 10,431 | 10,878 | 11,494 | 296 |
| Annisson, AL | 1,229 | 1,286 | 1,360 | 5.8 | 9,948 | 10,560 | 11,108 | 305 | Fayetteville-Springdale, AR | 1,154 | 1,246 | 1,332 | 6.9 | 10,922 | 11,634 | 12,150 | 275 |
| Appleton-Oshkosh-Neenah, WI | 3,962 | 4,217 | 4,499 | 6.7 | 13,014 | 13,800 | 14,555 | 139 | Flint, MI | 6,277 | 6,499 | 6,406 | -1.4 | 14,452 | 14,936 | 14,723 | 127 |
| Asheville, NC | 2,011 | 2,134 | 2,297 | 7.6 | 11,939 | 12,554 | 13,395 | 208 | Florence, AL | 1,363 | 1,428 | 1,518 | 6.3 | 9,889 | 10,507 | 11,160 | 302 |
| Athens, GA | 1,560 | 1,716 | 1,840 | 7.2 | 11,191 | 12,294 | 12,966 | 233 | Florence, SC | 1,162 | 1,227 | 1,320 | 7.6 | 10,039 | 10,540 | 11,279 | 299 |
| Atlanta, GA | 38,186 | 41,984 | 45,943 | 9.4 | 15,464 | 16,341 | 17,293 | 46 | Fort Collins-Loveland, CO | 2,206 | 2,362 | 2,494 | 5.6 | 12,924 | 13,470 | 13,890 | 173 |
| Atlantic City, NJ | 5,180 | 5,597 | 6,099 | 9.0 | 17,640 | 18,741 | 20,148 | 18 | Fort Lauderdale-Hollywood-Pompano Beach, FL* | 19,227 | 20,463 | 22,367 | 9.3 | 17,164 | 17,971 | 19,238 | 22 |
| Augusta, GA-SC | 4,478 | 4,841 | 5,093 | 5.2 | 11,781 | 12,468 | 12,977 | 230 | Fort Myers-Cape Coral, FL | 3,813 | 4,224 | 4,687 | 11.0 | 14,290 | 14,992 | 15,908 | 80 |
| Aurora-Elgin, IL* | 5,040 | 5,482 | 5,918 | 8.0 | 15,000 | 15,964 | 16,798 | 54 | Fort Pierce, FL | 2,819 | 3,142 | 3,509 | 11.7 | 14,193 | 15,142 | 16,291 | 65 |
| Austin, TX | 10,168 | 10,815 | 11,090 | 2.5 | 14,575 | 14,786 | 15,027 | 121 | Fort Smith, AR-OK | 1,839 | 1,958 | 2,072 | 5.8 | 10,601 | 11,139 | 11,626 | 291 |
| Bakersfield, CA | 6,224 | 6,668 | 7,020 | 5.3 | 12,978 | 13,336 | 13,914 | 170 | Fort Walton Beach, FL | 1,512 | 1,633 | 1,815 | 9.8 | 11,189 | 11,739 | 12,485 | 257 |
| Baltimore, MD | 35,204 | 37,712 | 40,937 | 8.6 | 15,635 | 16,554 | 17,776 | 36 | Fort Wayne, IN | 4,707 | 5,167 | 5,568 | 7.8 | 13,383 | 14,391 | 15,281 | 106 |
| Bangor, ME (NECMA) | 1,552 | 1,656 | 1,805 | 9.0 | 11,262 | 11,953 | 12,943 | 235 | Fort Worth-Arlington, TX* | 18,174 | 19,336 | 20,162 | 4.3 | 15,100 | 15,632 | 15,890 | 81 |
| Baton Rouge, LA | 6,759 | 6,719 | 6,854 | 2.0 | 12,455 | 12,375 | 12,734 | 247 | Fresno, CA | 7,429 | 7,869 | 8,690 | 10.4 | 12,897 | 13,662 | 14,545 | 141 |
| Battle Creek, MI | 1,646 | 1,728 | 1,845 | 6.8 | 12,093 | 12,654 | 13,409 | 207 | Gadsden, AL | 1,039 | 1,081 | 1,157 | 7.0 | 10,171 | 10,510 | 11,251 | 300 |
| Beaumont-Port Arthur, TX | 4,858 | 4,802 | 4,910 | 2.2 | 12,792 | 12,613 | 13,232 | 219 | Gainesville, FL | 2,143 | 2,299 | 2,498 | 8.7 | 10,848 | 11,465 | 12,187 | 271 |
| Beaver County, PA* | 2,262 | 2,328 | 2,457 | 5.5 | 11,599 | 12,129 | 12,861 | 243 | Galveston-Texas City, TX* | 2,958 | 2,978 | 3,029 | 1.7 | 13,833 | 14,054 | 14,324 | 151 |
| Bellingham, WA | 1,339 | 1,444 | 1,563 | 8.2 | 11,879 | 12,705 | 13,595 | 191 | Gary-Hammond, IN* | 7,507 | 7,794 | 8,225 | 5.5 | 12,113 | 12,799 | 13,610 | 190 |
| Benton Harbor, MI | 1,964 | 2,083 | 2,224 | 6.8 | 12,069 | 12,743 | 13,491 | 198 | Glens Falls, NY | 1,254 | 1,342 | 1,449 | 8.0 | 11,243 | 11,933 | 12,883 | 240 |
| Bergen-Passaic, NJ* | 25,862 | 27,574 | 29,818 | 8.1 | 19,901 | 21,213 | 23,040 | 3 | Grand Forks, ND | 791 | 840 | 886 | 5.5 | 11,412 | 12,032 | 12,690 | 248 |
| Billings, MT | 1,542 | 1,557 | 1,596 | 2.5 | 12,798 | 12,980 | 13,512 | 195 | Grand Rapids, MI | 8,705 | 9,344 | 10,024 | 7.3 | 13,725 | 14,495 | 15,257 | 109 |
| Biloxi-Gulfport, MS | 1,938 | 2,152 | 2,249 | 4.5 | 9,634 | 10,459 | 10,926 | 307 | Great Falls, MT | 994 | 1,031 | 1,071 | 3.9 | 12,308 | 13,133 | 13,724 | 182 |
| Binghamton, NY | 3,303 | 3,673 | 3,900 | 6.2 | 13,350 | 14,071 | 14,998 | 122 | Greeley, CO | 1,576 | 1,631 | 1,676 | 2.8 | 11,746 | 12,068 | 12,397 | 262 |
| Birmingham, AL | 11,166 | 11,818 | 12,582 | 6.5 | 12,345 | 12,994 | 13,722 | 183 | Green Bay, | | | | | | | | |

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ¹ | | | | Area name | Total personal income | | | | Per capita personal income ² | | | |
|--|-----------------------|---------|---------|-----------------------------|---|--------|--------|--------------|--------------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|--------------|
| | Millions of dollars | | | Percent change ³ | Dollars | | | Rank in U.S. | | Millions of dollars | | | Percent change ³ | Dollars | | | Rank in U.S. |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Kenosha, WI * | 1,640 | 1,694 | 1,827 | 7.9 | 13,550 | 14,279 | 15,261 | 108 | Provo-Orem, UT | 1,959 | 2,059 | 2,145 | 4.2 | 8,161 | 8,588 | 8,870 | 315 |
| Killeen-Temple, TX | 2,604 | 2,692 | 2,792 | 3.7 | 11,178 | 11,696 | 11,930 | 285 | Pueblo, CO | 1,351 | 1,406 | 1,458 | 3.7 | 10,716 | 11,099 | 11,444 | 297 |
| Knoxville, TN | 6,728 | 7,192 | 7,808 | 8.6 | 11,421 | 12,234 | 13,144 | 223 | Racine, WI * | 2,404 | 2,507 | 2,655 | 5.9 | 14,008 | 14,935 | 15,344 | 103 |
| Kokomo, IN | 1,390 | 1,401 | 1,447 | 3.3 | 13,691 | 13,821 | 14,340 | 149 | Raleigh-Durham, NC | 9,293 | 10,160 | 11,054 | 8.8 | 14,722 | 15,614 | 16,613 | 59 |
| La Crosse, WI | 1,207 | 1,276 | 1,363 | 6.8 | 12,813 | 13,544 | 14,393 | 146 | Rapid City, SD | 905 | 973 | 1,034 | 6.3 | 11,855 | 12,546 | 12,975 | 231 |
| Lafayette, LA | 2,871 | 2,707 | 2,623 | -3.1 | 13,258 | 12,440 | 12,363 | 264 | Reading, PA | 4,804 | 5,072 | 5,450 | 7.5 | 15,083 | 15,774 | 16,803 | 53 |
| Lafayette, IN | 1,458 | 1,547 | 1,649 | 6.6 | 11,709 | 12,469 | 13,208 | 220 | Redding, CA | 1,573 | 1,700 | 1,878 | 10.5 | 12,049 | 12,839 | 13,849 | 175 |
| Lake Charles, LA | 1,924 | 1,961 | 2,031 | 3.6 | 11,042 | 11,339 | 11,819 | 288 | Reno, NV | 3,656 | 3,891 | 4,229 | 8.7 | 16,633 | 17,185 | 18,221 | 30 |
| Lake County, IL * | 8,946 | 9,772 | 10,594 | 8.4 | 19,092 | 20,331 | 21,432 | 9 | Richland-Kennebec-Pasco, WA | 1,883 | 1,987 | 2,098 | 5.6 | 12,738 | 13,375 | 14,016 | 164 |
| Lakeland-Winter Haven, FL | 4,130 | 4,410 | 4,830 | 9.5 | 11,212 | 11,679 | 12,479 | 259 | Richmond-Petersburg, VA | 12,164 | 13,115 | 14,398 | 9.8 | 15,194 | 16,178 | 17,446 | 44 |
| Lancaster, PA | 5,364 | 5,833 | 6,333 | 8.6 | 13,831 | 14,743 | 15,686 | 87 | Riverside-San Bernardino, CA * | 25,661 | 28,640 | 31,943 | 11.5 | 13,500 | 14,341 | 15,075 | 117 |
| Lansing-East Lansing, MI | 5,573 | 5,940 | 6,267 | 5.5 | 13,367 | 14,031 | 14,648 | 132 | Roanoke, VA | 3,084 | 3,274 | 3,514 | 7.3 | 13,838 | 14,625 | 15,672 | 89 |
| Laredo, TX | 789 | 822 | 871 | 6.0 | 6,663 | 6,746 | 7,035 | 317 | Rochester, MN | 1,545 | 1,642 | 1,754 | 6.8 | 15,858 | 16,808 | 17,849 | 35 |
| Las Cruces, NM | 1,072 | 1,159 | 1,234 | 6.5 | 9,051 | 9,331 | 9,578 | 313 | Rochester, NY | 14,943 | 15,773 | 16,559 | 5.0 | 15,318 | 16,145 | 16,913 | 50 |
| Las Vegas, NV | 7,843 | 8,610 | 9,564 | 11.1 | 14,242 | 15,078 | 15,944 | 78 | Rockford, IL | 3,842 | 4,089 | 4,354 | 6.5 | 13,724 | 14,576 | 15,473 | 92 |
| Lawrence, KS | 805 | 880 | 928 | 5.5 | 11,283 | 11,976 | 12,349 | 266 | Sacramento, CA | 18,253 | 19,906 | 21,785 | 9.4 | 14,531 | 15,425 | 16,300 | 64 |
| Lawton, OK | 1,240 | 1,260 | 1,333 | 5.8 | 10,274 | 10,492 | 11,159 | 303 | Saginaw-Bay City-Midland, MI | 5,334 | 5,526 | 5,779 | 4.6 | 13,178 | 13,666 | 14,289 | 153 |
| Leicester-Auburn, ME (NECMA) | 1,158 | 1,253 | 1,365 | 8.9 | 11,481 | 12,518 | 13,506 | 196 | St. Cloud, MN | 1,917 | 2,080 | 2,213 | 6.4 | 11,107 | 11,900 | 12,472 | 260 |
| Lexington-Fayette, KY | 4,530 | 4,745 | 5,107 | 7.6 | 13,741 | 13,986 | 14,953 | 123 | St. Joseph, MO | 1,055 | 1,090 | 1,139 | 4.5 | 12,311 | 12,716 | 13,353 | 212 |
| Lima, OH | 1,892 | 2,006 | 2,108 | 5.1 | 12,283 | 12,976 | 13,551 | 194 | St. Louis, MO-IL | 36,565 | 38,691 | 41,064 | 6.1 | 15,095 | 15,855 | 16,706 | 55 |
| Lincoln, NE | 2,673 | 2,798 | 2,986 | 6.7 | 13,020 | 13,571 | 14,373 | 147 | St. Paul, OR | 3,044 | 3,221 | 3,457 | 7.3 | 11,756 | 12,285 | 13,007 | 229 |
| Little Rock-North Little Rock, AR | 6,389 | 6,807 | 7,144 | 5.0 | 12,802 | 13,474 | 13,966 | 168 | Salinas-Seaside-Monterey, CA | 4,826 | 5,160 | 5,538 | 7.3 | 14,653 | 15,280 | 16,141 | 70 |
| Longview-Marshall, TX | 2,064 | 2,088 | 2,129 | 2.0 | 12,175 | 12,407 | 12,755 | 245 | Salt Lake City-Ogden, UT | 11,909 | 12,437 | 12,737 | 4.7 | 13,615 | 14,948 | 15,343 | 267 |
| Lorain-Elyria, OH * | 3,275 | 3,404 | 3,595 | 5.6 | 12,116 | 12,701 | 13,391 | 209 | San Angelo, TX | 1,241 | 1,277 | 1,334 | 4.5 | 12,173 | 13,042 | 13,474 | 202 |
| Los Angeles-Long Beach, CA * | 130,395 | 139,492 | 151,919 | 8.9 | 16,037 | 16,727 | 17,863 | 34 | San Antonio, TX | 15,487 | 16,233 | 16,883 | 4.0 | 12,474 | 12,683 | 12,921 | 236 |
| Louisville, KY-IN | 12,473 | 13,165 | 14,111 | 7.2 | 12,945 | 13,656 | 14,599 | 137 | San Diego, CA | 32,190 | 34,937 | 38,021 | 8.8 | 15,095 | 15,843 | 16,633 | 58 |
| Lubbock, TX | 2,706 | 2,763 | 2,902 | 5.0 | 12,150 | 12,188 | 12,750 | 246 | San Francisco, CA * | 34,702 | 36,560 | 39,103 | 7.0 | 22,097 | 23,116 | 24,593 | 2 |
| Lynchburg, VA | 1,623 | 1,713 | 1,837 | 7.2 | 11,264 | 11,976 | 12,868 | 242 | San Jose, CA * | 27,071 | 28,481 | 30,437 | 6.9 | 19,373 | 20,315 | 21,510 | 7 |
| Macon-Warner Robins, GA | 3,262 | 3,481 | 3,756 | 7.9 | 11,662 | 12,431 | 13,291 | 216 | Santa Barbara-Santa Maria-Lompoc, CA | 5,696 | 6,047 | 6,446 | 6.6 | 17,196 | 17,965 | 18,909 | 25 |
| Madison, WI | 5,085 | 5,445 | 5,870 | 7.8 | 14,892 | 15,855 | 16,895 | 52 | Santa Cruz, CA * | 3,324 | 3,589 | 3,881 | 8.1 | 15,616 | 16,528 | 17,507 | 41 |
| Manchester-Nashua, NH (NECMA) | 5,184 | 5,737 | 6,352 | 10.7 | 16,914 | 18,245 | 19,684 | 21 | Santa Fe, NM | 1,504 | 1,610 | 1,714 | 6.5 | 14,576 | 14,933 | 15,428 | 97 |
| Mansfield, OH | 1,624 | 1,694 | 1,773 | 4.7 | 12,549 | 13,232 | 13,838 | 177 | Santa Rosa-Petaluma, CA * | 5,556 | 6,041 | 6,553 | 8.5 | 16,127 | 17,568 | 18,510 | 28 |
| McAllen-Edinburg-Mission, TX | 2,402 | 2,476 | 2,650 | 7.0 | 6,753 | 6,719 | 7,001 | 318 | Sarasota, FL | 4,411 | 4,798 | 5,263 | 9.7 | 18,618 | 19,238 | 20,594 | 13 |
| Medford, OR | 1,569 | 1,657 | 1,792 | 8.1 | 11,333 | 11,805 | 12,532 | 254 | Savannah, GA | 2,944 | 3,176 | 3,396 | 6.9 | 12,425 | 13,335 | 14,067 | 163 |
| Melbourne-Titusville-Palm Bay, FL | 4,716 | 5,044 | 5,492 | 8.9 | 13,570 | 13,887 | 14,650 | 131 | Scranton-Wilkes-Barre, PA | 8,749 | 9,318 | 9,964 | 6.9 | 12,091 | 12,824 | 13,631 | 189 |
| Memphis, TN-AR-MS | 11,910 | 12,754 | 13,870 | 8.8 | 12,534 | 13,285 | 14,271 | 154 | Seattle, WA * | 28,690 | 31,110 | 33,421 | 7.4 | 16,635 | 17,733 | 18,610 | 27 |
| Merced, CA | 1,788 | 1,945 | 2,142 | 10.1 | 11,308 | 12,066 | 12,919 | 238 | Sharon, PA | 1,408 | 1,429 | 1,496 | 4.7 | 11,356 | 11,536 | 12,115 | 279 |
| Miami-Hialeah, FL * | 24,257 | 25,687 | 28,106 | 9.4 | 13,905 | 14,592 | 15,689 | 86 | Sheboygan, WI | 1,383 | 1,461 | 1,549 | 6.0 | 13,463 | 14,367 | 15,159 | 113 |
| Middlesex-Somerset-Hunterdon, NJ | 18,593 | 20,249 | 22,014 | 8.7 | 19,968 | 21,348 | 22,783 | 4 | Sherman-Denison, TX | 1,242 | 1,296 | 1,345 | 3.8 | 12,831 | 13,065 | 13,501 | 197 |
| Midland, TX | 1,877 | 1,794 | 1,789 | -3 | 17,289 | 16,126 | 16,609 | 60 | Shreveport, LA | 4,490 | 4,496 | 4,574 | 1.7 | 12,382 | 12,263 | 12,574 | 253 |
| Minneapolis-St. Paul, MN-WI | 20,862 | 21,872 | 23,179 | 6.0 | 15,121 | 15,803 | 16,686 | 57 | Sioux City, IA-NE | 1,432 | 1,485 | 1,597 | 7.5 | 12,238 | 12,848 | 13,926 | 169 |
| Mobile, AL | 4,931 | 5,303 | 5,587 | 5.4 | 10,613 | 11,087 | 11,566 | 293 | Sioux Falls, SD | 1,588 | 1,677 | 1,797 | 7.2 | 13,073 | 13,696 | 14,526 | 142 |
| Modesto, CA | 3,743 | 4,037 | 4,442 | 10.0 | 12,304 | 12,827 | 13,567 | 193 | Spokane-Benewah, IN | 3,159 | 3,356 | 3,600 | 7.3 | 13,083 | 13,876 | 14,853 | 125 |
| Monmouth-Ocean, NJ * | 16,238 | 17,842 | 19,624 | 10.0 | 10,903 | 11,204 | 11,442 | 298 | Spokane, WA | 4,385 | 4,596 | 4,852 | 5.6 | 12,293 | 12,894 | 13,656 | 187 |
| Monroe, LA | 1,573 | 1,635 | 1,673 | 2.3 | 10,903 | 11,204 | 11,442 | 298 | Springfield, IL | 2,679 | 2,863 | 3,086 | 7.8 | 14,069 | 15,056 | 16,162 | 69 |
| Montgomery, AL | 3,421 | 3,650 | 3,898 | 6.8 | 11,586 | 12,416 | 13,106 | 225 | Springfield, MO | 2,749 | 2,965 | 3,149 | 6.2 | 12,425 | 13,188 | 13,755 | 180 |
| Muncie, IN | 1,412 | 1,489 | 1,570 | 5.4 | 11,555 | 12,323 | 13,027 | 226 | Springfield, MA (NECMA) | 8,014 | 8,590 | 9,340 | 8.7 | 13,692 | 14,765 | 15,952 | 77 |
| Muskegon, MI | 1,820 | 1,892 | 1,981 | 4.7 | 11,602 | 11,999 | 12,480 | 258 | State College, PA | 1,265 | 1,358 | 1,480 | 9.0 | 11,074 | 11,988 | 12,920 | 237 |
| Naples, FL | 2,028 | 2,257 | 2,547 | 12.8 | 17,318 | 18,398 | 19,906 | 19 | Steubenville-Weirton, OH-WV | 1,666 | 1,746 | 1,814 | 3.9 | 10,620 | 11,582 | 12,176 | 272 |
| Nashville, TN | 12,187 | 13,335 | 14,584 | 9.4 | 13,378 | 14,322 | 15,253 | 110 | Stockton, CA | 5,215 | 5,602 | 6,109 | 9.1 | 12,569 | 13,045 | 13,774 | 179 |
| Nassau-Suffolk, NY * | 49,841 | 53,503 | 57,886 | 8.2 | 18,954 | 20,350 | 22,001 | 5 | Syracuse, NY | 8,765 | 9,221 | 9,739 | 5.6 | 13,504 | 14,251 | 15,053 | 119 |
| New Bedford-Fall River-Artleboro, MA (NECMA) | 6,528 | 7,084 | 7,702 | 8.7 | 13,586 | 14,915 | 16,073 | 75 | Tacoma, WA * | 6,765 | 7,176 | 7,630 | 6.3 | 12,865 | 13,427 | 14,008 | 165 |
| New Haven-Waterbury-Meriden, CT (NECMA) | 12,501 | 13,481 | 14,696 | 9.0 | 16,167 | 17,225 | 18,673 | 26 | Tallahassee, FL | 2,288 | 2,540 | 2,813 | 10.7 | 10,685 | 11,678 | 12,632 | 250 |
| New London-Norwich, CT (NECMA) | 3,884 | 4,044 | 4,394 | 8.7 | 15,825 | 16,502 | 17,768 | 37 | Tampa-St. Petersburg-Clearwater, FL | 25,862 | 27,867 | 30,331 | 8.8 | 13,826 | 14,541 | 15,435 | 95 |
| New Orleans, LA | 16,981 | 17,121 | 17,345 | 1.3 | 12,769 | 12,845 | 13,130 | 224 | Terre Haute, IN | 1,510 | 1,578 | 1,646 | 4.3 | 11,186 | 11,857 | 12,427 | 261 |
| New York, NY * | 142,837 | 151,837 | 163,623 | 7.8 | 16,800 | 17,812 | 19,185 | 23 | Texarkana, TX-Texarkana, AR | 1,378 | 1,420 | 1,488 | 4.8 | 11,552 | 11,895 | 12,358 | 265 |
| Newark, NJ * | 34,286 | 36,691 | 39,321 | 8.5 | 18,156 | 19,044 | 20,161 | 12 | Toledo, OH | 8,383 | 8,781 | 9,228 | 5.1 | 13,732 | 14,382 | 15,103 | 115 |
| Niagara Falls, NY * | 2,809 | 2,923 | 3,100 | 6.1 | 12,956 | 13,534 | 14,337 | 150 | Topeka, KS | 2,358 | 2,476 | 2,613 | 5.5 | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87

| Area name | Total personal income | | | | Per capita personal income ³ | | | Rank in State | Area name | Total personal income | | | | Per capita personal income ³ | | | Rank in State |
|----------------------------|-----------------------|-----------|-----------|-----------------------------|---|--------|--------|---------------|---------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | | | Millions of dollars | | | Percent change ² | Dollars | | | |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| United States ¹ | 3,317,545 | 3,522,203 | 3,768,696 | 7.0 | 13,899 | 14,609 | 15,484 | | Kenai Peninsula Borough | 659 | 648 | 626 | -3.4 | 15,982 | 15,835 | 15,306 | 14 |
| Metropolitan portion | 2,716,099 | 2,889,601 | 3,097,289 | 7.2 | 14,839 | 15,593 | 16,525 | | Ketchikan Gateway Borough | 237 | 244 | 256 | 4.9 | 19,360 | 20,603 | 21,944 | 4 |
| Nonmetropolitan portion | 601,446 | 632,602 | 671,407 | 6.1 | 10,805 | 11,341 | 11,996 | | Kodiak Island Borough | 197 | 208 | 215 | 3.4 | 14,352 | 15,680 | 16,190 | 13 |
| Alabama | 43,026 | 45,776 | 48,781 | 6.6 | 10,697 | 11,303 | 11,947 | | Matanuska-Susitna Borough | 552 | 543 | 524 | -3.5 | 15,273 | 13,767 | 13,408 | 18 |
| Metropolitan portion | 30,773 | 32,790 | 35,021 | 6.8 | 11,400 | 12,071 | 12,755 | | Nome | 101 | 104 | 107 | 2.9 | 13,899 | 13,344 | 13,886 | 16 |
| Nonmetropolitan portion | 12,254 | 12,986 | 13,760 | 6.0 | 9,264 | 9,739 | 10,287 | | North Slope Borough | 121 | 107 | 104 | -2.8 | 25,041 | 20,499 | 19,861 | 8 |
| Autauga | 351 | 377 | 404 | 7.2 | 10,076 | 10,924 | 11,509 | 17 | Northwest Arctic Borough | 69 | 71 | 73 | 2.8 | 12,849 | 12,343 | 12,273 | 19 |
| Baldwin | 954 | 1,046 | 1,115 | 6.6 | 10,620 | 11,301 | 11,763 | 11 | Prince of Wales-Outer Ketchikan | 70 | 75 | 72 | -4.0 | 14,502 | 14,283 | 13,440 | 17 |
| Barbour | 230 | 247 | 266 | 7.7 | 9,134 | 9,724 | 10,369 | 31 | Sitka Borough | 131 | 140 | 142 | 1.4 | 17,155 | 17,914 | 18,129 | 9 |
| Bibb | 142 | 155 | 164 | 5.8 | 8,824 | 9,377 | 9,876 | 45 | Skagway-Yakutat-Angoon | 57 | 65 | 63 | -3.1 | 16,849 | 18,289 | 17,428 | 10 |
| Blount | 352 | 369 | 395 | 7.0 | 9,320 | 9,673 | 10,197 | 36 | Southeast Fairbanks | 83 | 83 | 75 | -9.6 | 12,757 | 12,607 | 11,634 | 21 |
| Bullock | 79 | 82 | 86 | 4.9 | 7,637 | 7,769 | 8,281 | 61 | Valdez-Cordova | 181 | 182 | 183 | .5 | 20,982 | 20,635 | 20,672 | 7 |
| Butler | 188 | 199 | 213 | 7.0 | 8,571 | 8,883 | 9,423 | 54 | Wade Hampton | 40 | 45 | 49 | 8.9 | 8,453 | 8,550 | 9,075 | 23 |
| Calhoun | 1,229 | 1,286 | 1,360 | 5.8 | 9,948 | 10,560 | 11,108 | 23 | Wrangell-Petersburg | 123 | 129 | 136 | 5.4 | 19,633 | 20,020 | 20,708 | 6 |
| Chambers | 372 | 394 | 425 | 7.9 | 9,375 | 9,920 | 10,706 | 29 | Yukon-Koyukuk | 110 | 113 | 110 | -2.7 | 12,288 | 12,235 | 11,788 | 20 |
| Cherokee | 171 | 177 | 190 | 7.3 | 8,954 | 9,088 | 9,715 | 48 | Arizona | 40,963 | 44,834 | 48,425 | 8.0 | 12,990 | 13,680 | 14,310 | |
| Chilton | 291 | 308 | 326 | 5.8 | 9,423 | 9,683 | 10,265 | 34 | Metropolitan portion | 33,929 | 37,158 | 40,080 | 7.9 | 14,127 | 14,885 | 15,541 | |
| Choctaw | 141 | 152 | 158 | 3.9 | 8,376 | 8,855 | 9,259 | 56 | Nonmetropolitan portion | 7,033 | 7,676 | 8,345 | 8.7 | 9,863 | 9,827 | 10,364 | |
| Clarke | 261 | 271 | 283 | 4.4 | 9,416 | 9,805 | 10,207 | 35 | Apache | 337 | 367 | 398 | 8.4 | 5,829 | 6,369 | 6,557 | 15 |
| Clay | 121 | 128 | 133 | 3.9 | 9,205 | 9,572 | 10,083 | 39 | Cochise | 906 | 961 | 1,037 | 7.9 | 9,693 | 9,952 | 10,566 | 9 |
| Cleburne | 112 | 120 | 125 | 4.2 | 8,740 | 9,445 | 9,712 | 49 | Cocconino | 851 | 947 | 1,016 | 7.3 | 10,082 | 10,800 | 11,389 | 4 |
| Coffee | 413 | 444 | 473 | 6.5 | 10,283 | 10,960 | 11,700 | 14 | Gila | 349 | 366 | 389 | 6.3 | 9,008 | 9,396 | 9,840 | 12 |
| Colbert | 538 | 556 | 591 | 6.3 | 9,831 | 10,345 | 11,012 | 25 | Graham | 178 | 191 | 207 | 8.4 | 7,484 | 8,164 | 8,767 | 13 |
| Conecuh | 137 | 141 | 143 | 1.4 | 8,987 | 9,074 | 9,436 | 53 | Greenlee | 80 | 79 | 83 | 5.1 | 8,783 | 9,602 | 10,304 | 10 |
| Coosa | 89 | 97 | 102 | 5.2 | 8,291 | 8,688 | 9,124 | 57 | La Paz | 129 | 142 | 161 | 13.4 | 9,373 | 9,952 | 11,044 | 7 |
| Covington | 354 | 378 | 402 | 6.3 | 9,637 | 10,333 | 10,989 | 26 | Maricopa | 26,491 | 29,120 | 31,505 | 8.2 | 14,582 | 15,424 | 16,077 | 1 |
| Crenshaw | 122 | 130 | 136 | 4.6 | 9,115 | 9,428 | 9,895 | 44 | Mohave | 722 | 793 | 873 | 10.1 | 10,082 | 10,376 | 10,819 | 8 |
| Cullman | 656 | 722 | 757 | 4.8 | 10,056 | 11,023 | 11,363 | 19 | Navajo | 562 | 603 | 643 | 6.6 | 7,949 | 8,152 | 8,608 | 14 |
| Dale | 489 | 518 | 557 | 7.5 | 10,007 | 10,567 | 11,302 | 20 | Pima | 7,439 | 8,038 | 8,575 | 6.7 | 12,717 | 13,212 | 13,845 | 2 |
| Dallas | 459 | 476 | 486 | 2.1 | 8,647 | 8,791 | 9,120 | 58 | Pinal | 883 | 981 | 1,078 | 9.9 | 9,008 | 9,509 | 10,121 | 11 |
| De Kalb | 527 | 559 | 593 | 6.1 | 9,815 | 10,281 | 10,868 | 27 | Santa Cruz | 216 | 240 | 263 | 9.6 | 9,630 | 10,714 | 11,365 | 5 |
| Elmore | 494 | 532 | 574 | 7.9 | 10,495 | 11,103 | 11,711 | 13 | Yavapai | 961 | 1,059 | 1,156 | 9.2 | 11,513 | 12,047 | 12,475 | 3 |
| Escambia | 348 | 362 | 376 | 3.9 | 9,527 | 9,933 | 10,347 | 32 | Yuma | 862 | 947 | 1,041 | 9.9 | 10,162 | 10,466 | 11,115 | 6 |
| Etowah | 1,039 | 1,081 | 1,157 | 7.0 | 10,171 | 10,510 | 11,251 | 22 | Arkansas | 24,838 | 26,194 | 27,555 | 5.2 | 10,526 | 11,050 | 11,538 | |
| Fayette | 177 | 181 | 188 | 3.9 | 9,367 | 9,441 | 9,816 | 47 | Metropolitan portion | 10,857 | 11,561 | 12,168 | 5.3 | 11,762 | 12,396 | 12,885 | |
| Franklin | 301 | 315 | 335 | 6.3 | 10,691 | 11,121 | 11,787 | 10 | Nonmetropolitan portion | 13,981 | 14,632 | 15,386 | 5.2 | 9,733 | 10,177 | 10,656 | |
| Geneva | 232 | 247 | 262 | 6.1 | 9,697 | 10,425 | 11,019 | 24 | Arkansas | 262 | 258 | 269 | 4.3 | 11,134 | 11,166 | 11,789 | 13 |
| Greene | 74 | 79 | 86 | 8.9 | 6,843 | 7,121 | 7,946 | 65 | Ashley | 277 | 293 | 298 | 7.6 | 10,533 | 10,603 | 11,464 | 16 |
| Hale | 104 | 109 | 118 | 8.3 | 6,960 | 7,097 | 7,654 | 66 | Baxter | 346 | 376 | 393 | 4.5 | 11,606 | 12,396 | 12,751 | 6 |
| Henry | 144 | 153 | 161 | 5.2 | 9,674 | 10,187 | 10,718 | 28 | Benton | 1,046 | 1,167 | 1,241 | 6.3 | 12,058 | 13,128 | 13,448 | 2 |
| Houston | 870 | 934 | 1,013 | 8.5 | 10,948 | 11,836 | 12,620 | 6 | Boone | 285 | 306 | 326 | 6.5 | 10,284 | 10,850 | 11,440 | 18 |
| Jackson | 442 | 470 | 510 | 8.5 | 8,740 | 9,461 | 10,164 | 37 | Bradley | 127 | 133 | 136 | 2.3 | 9,531 | 10,059 | 10,521 | 29 |
| Jefferson | 8,686 | 9,146 | 9,703 | 6.1 | 12,850 | 13,525 | 14,313 | 2 | Calhoun | 46 | 48 | 55 | 14.6 | 7,523 | 7,958 | 8,972 | 64 |
| Lamar | 159 | 162 | 169 | 4.3 | 9,713 | 9,779 | 10,124 | 38 | Carroll | 184 | 205 | 219 | 6.8 | 10,388 | 11,397 | 11,980 | 12 |
| Lauderdale | 824 | 872 | 928 | 6.4 | 9,926 | 10,612 | 11,257 | 21 | Chicot | 125 | 119 | 131 | 10.1 | 7,128 | 6,933 | 7,752 | 74 |
| Lawrence | 270 | 289 | 313 | 8.3 | 8,658 | 9,292 | 9,984 | 43 | Clark | 230 | 229 | 232 | 1.3 | 10,090 | 10,150 | 10,487 | 30 |
| Lee | 829 | 874 | 934 | 6.9 | 10,319 | 10,771 | 11,474 | 18 | Clay | 183 | 176 | 196 | 11.4 | 9,281 | 9,068 | 10,072 | 45 |
| Limestone | 526 | 561 | 617 | 10.0 | 10,416 | 11,129 | 11,940 | 8 | Cleburne | 179 | 193 | 202 | 4.7 | 9,370 | 9,985 | 10,295 | 38 |
| Lowndes | 94 | 100 | 107 | 7.0 | 7,350 | 7,661 | 8,068 | 63 | Cleveland | 77 | 84 | 85 | 1.2 | 9,484 | 10,163 | 10,308 | 37 |
| Macon | 192 | 199 | 210 | 5.5 | 7,327 | 7,599 | 7,984 | 64 | Columbia | 300 | 304 | 314 | 3.3 | 11,005 | 11,319 | 11,655 | 14 |
| Madison | 2,925 | 3,193 | 3,491 | 9.3 | 12,830 | 14,190 | 15,082 | 1 | Conway | 195 | 206 | 215 | 4.4 | 10,119 | 10,698 | 11,217 | 21 |
| Marengo | 211 | 223 | 234 | 4.9 | 8,731 | 9,046 | 9,558 | 51 | Craghead | 678 | 707 | 776 | 9.8 | 10,736 | 11,184 | 12,038 | 11 |
| Marion | 264 | 270 | 285 | 5.6 | 8,474 | 8,794 | 9,320 | 55 | Crawford | 368 | 401 | 425 | 6.0 | 9,052 | 9,615 | 9,952 | 48 |
| Marshall | 729 | 792 | 847 | 6.9 | 10,299 | 11,128 | 11,744 | 12 | Crittenden | 445 | 459 | 496 | 8.1 | 8,861 | 9,112 | 9,787 | 54 |
| Mobile | 3,976 | 4,257 | 4,472 | 5.1 | 10,612 | 11,035 | 11,518 | 16 | Cross | 184 | 181 | 191 | 5.5 | 8,937 | 8,842 | 9,381 | 58 |
| Monroe | 202 | 210 | 225 | 7.1 | 9,000 | 9,266 | 9,833 | 46 | Dallas | 101 | 103 | 108 | 4.9 | 9,623 | 9,902 | 10,365 | 34 |
| Montgomery | 2,577 | 2,741 | 2,921 | 6.6 | 12,073 | 12,957 | 13,689 | 4 | Desha | 167 | 162 | 175 | 8.0 | 8,582 | 8,363 | 9,129 | 62 |
| Morgan | 1,119 | 1,198 | 1,297 | 8.3 | 11,578 | 12,236 | 12,991 | 5 | Drew | 165 | 162 | 180 | 11.1 | 9,063 | 9,045 | 10,064 | 46 |
| Perry | 90 | 94 | 101 | 7.4 | 6,111 | 6,291 | 6,777 | 67 | Faulkner | 579 | 638 | 677 | 6.1 | 11,273 | 12,087 | 12,425 | 7 |
| Pickens | 168 | 183 | 192 | 4.9 | 7,843 | 8,349 | 8,762 | 59 | Franklin | 144 | 160 | 162 | 1.3 | 9,277 | 10,277 | 10,415 | 32 |
| Pike | 253 | 266 | 282 | 6.0 | 9,219 | 9,514 | 10,074 | 40 | Fulton | 77 | 81 | 86 | 6.2 | 7,441 | 7,913 | 8,331 | 68 |
| Randolph | 173 | 185 | 196 | 5.9 | 8,709 | 9,182 | 9,483 | 52 | Garland | 874 | 928 | 978 | 5.4 | 11,705 | 12,320 | 12,780 | 5 |
| Russell | 435 | 463 | 506 | 9.3 | 9,100 | 9,323 | 10,013 | 42 | Grant | 143 | 152 | 159 | 4.6 | 10,774 | 11,250 | 11,619 | 15 |
| St. Clair | 435 | 475 | 513 | 8.0 | 9,514 | 10,226 | 10,697 | 30 | Greene | 291 | 301 | 315 | 4.7 | 9,216 | 9,503 | 9,929 | 51 |
| Shelby | 948 | 1,055 | 1,153 | 9.3 | 12,167 | 13,193 | 13,855 | 3 | Hempstead | 216 | 2 | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|------------------------------|-----------------------|---------------|---------------|-----------------------------|---|---------------|---------------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Miller..... | 410 | 426 | 445 | 4.5 | 10,597 | 10,956 | 11,386 | 19 | Ventura..... | 9,496 | 10,402 | 11,393 | 9.5 | 15,808 | 16,975 | 18,133 | 11 |
| Mississippi..... | 520 | 532 | 575 | 8.1 | 8,840 | 9,156 | 10,018 | 47 | Yolo..... | 1,776 | 1,917 | 2,082 | 8.6 | 14,357 | 15,308 | 16,179 | 17 |
| Monroe..... | 112 | 102 | 110 | 7.8 | 8,545 | 7,910 | 8,659 | 66 | Yuba..... | 527 | 546 | 596 | 9.2 | 9,803 | 10,077 | 10,746 | 58 |
| Montgomery..... | 68 | 77 | 79 | 2.6 | 8,598 | 9,774 | 9,939 | 50 | Colorado | 47,511 | 49,411 | 51,397 | 4.0 | 14,691 | 15,129 | 15,594 | |
| Nevada..... | 103 | 112 | 110 | -1.8 | 9,385 | 10,299 | 10,255 | 40 | Metropolitan portion..... | 40,232 | 41,890 | 43,419 | 3.7 | 15,321 | 15,736 | 16,121 | |
| Newton..... | 58 | 61 | 65 | 6.6 | 7,140 | 7,422 | 7,986 | 71 | Nonmetropolitan portion..... | 7,279 | 7,522 | 7,979 | 6.1 | 11,971 | 12,456 | 13,239 | |
| Ouachita..... | 326 | 336 | 344 | 2.4 | 9,747 | 9,939 | 10,156 | 41 | Adams..... | 3,461 | 3,562 | 3,659 | 2.7 | 12,545 | 12,801 | 13,052 | 35 |
| Perry..... | 64 | 72 | 74 | 2.8 | 8,228 | 9,126 | 9,241 | 60 | Alamosa..... | 130 | 134 | 142 | 6.0 | 10,450 | 10,544 | 11,063 | 53 |
| Phillips..... | 262 | 250 | 264 | 5.6 | 7,776 | 7,570 | 8,187 | 69 | Arapahoe..... | 6,567 | 6,782 | 7,011 | 3.4 | 17,583 | 17,760 | 18,126 | 9 |
| Pike..... | 95 | 101 | 105 | 4.0 | 9,413 | 10,054 | 10,310 | 36 | Archuleta..... | 50 | 52 | 55 | 5.8 | 9,954 | 10,577 | 10,954 | 54 |
| Poinsett..... | 240 | 236 | 261 | 10.6 | 9,204 | 9,075 | 10,073 | 44 | Baca..... | 66 | 70 | 83 | 18.6 | 13,041 | 14,242 | 16,950 | 14 |
| Polk..... | 158 | 178 | 176 | -1.1 | 9,141 | 10,484 | 10,349 | 35 | Bent..... | 54 | 58 | 63 | 8.6 | 9,235 | 10,173 | 11,262 | 51 |
| Pope..... | 430 | 475 | 488 | 2.7 | 10,099 | 10,956 | 11,059 | 22 | Boulder..... | 3,479 | 3,666 | 3,784 | 3.2 | 16,362 | 17,075 | 17,455 | 12 |
| Prairie..... | 92 | 84 | 91 | 8.3 | 9,142 | 8,359 | 9,121 | 63 | Chaffee..... | 150 | 156 | 164 | 5.1 | 11,605 | 12,147 | 12,683 | 39 |
| Pulaski..... | 4,780 | 5,077 | 5,304 | 4.5 | 13,515 | 14,260 | 14,810 | 1 | Cheyenne..... | 50 | 53 | 59 | 11.3 | 20,883 | 22,041 | 25,686 | 2 |
| Randolph..... | 135 | 144 | 155 | 7.6 | 8,112 | 8,645 | 9,190 | 61 | Clear Creek..... | 107 | 109 | 111 | 1.8 | 14,369 | 14,698 | 15,059 | 22 |
| St. Francis..... | 259 | 254 | 261 | 2.8 | 8,265 | 8,090 | 8,361 | 67 | Conejos..... | 55 | 56 | 62 | 10.7 | 6,933 | 7,006 | 7,631 | 63 |
| Saline..... | 634 | 683 | 722 | 5.7 | 11,168 | 11,769 | 12,102 | 10 | Costilla..... | 36 | 35 | 38 | 8.6 | 9,746 | 9,608 | 10,095 | 59 |
| Scott..... | 94 | 107 | 108 | .9 | 9,235 | 10,376 | 10,128 | 42 | Crowley..... | 27 | 30 | 33 | 10.0 | 8,697 | 9,531 | 10,417 | 58 |
| Searcy..... | 61 | 67 | 72 | 7.5 | 6,924 | 7,537 | 8,148 | 70 | Custer..... | 22 | 23 | 24 | 4.3 | 11,696 | 12,035 | 13,276 | 31 |
| Sebastian..... | 1,193 | 1,268 | 1,341 | 5.8 | 12,105 | 12,783 | 13,390 | 3 | Delta..... | 229 | 226 | 242 | 7.1 | 9,680 | 9,836 | 10,868 | 55 |
| Sevier..... | 141 | 151 | 152 | .7 | 9,791 | 10,673 | 10,751 | 25 | Denver..... | 8,610 | 8,736 | 8,934 | 2.3 | 16,845 | 17,227 | 17,815 | 11 |
| Sharp..... | 127 | 135 | 139 | 3.0 | 8,234 | 8,692 | 8,893 | 65 | Dolores..... | 21 | 20 | 21 | 5.0 | 12,690 | 12,061 | 13,326 | 30 |
| Stone..... | 72 | 79 | 82 | 3.8 | 7,361 | 7,862 | 7,926 | 72 | Douglas..... | 703 | 790 | 868 | 9.9 | 19,607 | 20,530 | 20,383 | 4 |
| Union..... | 598 | 623 | 647 | 3.9 | 12,139 | 12,724 | 13,213 | 4 | Eagle..... | 285 | 289 | 306 | 5.9 | 17,622 | 17,496 | 18,656 | 6 |
| Van Buren..... | 124 | 135 | 142 | 5.2 | 8,358 | 9,006 | 9,310 | 59 | Elbert..... | 119 | 132 | 147 | 11.4 | 14,254 | 15,451 | 15,942 | 19 |
| Washington..... | 1,154 | 1,246 | 1,332 | 6.9 | 10,922 | 11,634 | 12,150 | 9 | El Paso..... | 5,033 | 5,396 | 5,699 | 5.6 | 13,707 | 14,242 | 14,615 | 23 |
| White..... | 475 | 503 | 533 | 6.0 | 9,072 | 9,485 | 9,946 | 49 | Fremont..... | 331 | 355 | 368 | 3.7 | 10,480 | 11,146 | 11,461 | 49 |
| Woodruff..... | 94 | 90 | 97 | 7.8 | 8,767 | 8,683 | 9,563 | 57 | Garfield..... | 335 | 347 | 365 | 5.2 | 12,233 | 12,708 | 13,129 | 34 |
| Yell..... | 170 | 189 | 190 | .5 | 9,672 | 10,655 | 10,621 | 28 | Gilpin..... | 35 | 36 | 36 | 0 | 12,759 | 12,878 | 13,195 | 33 |
| California..... | 422,608 | 454,086 | 493,547 | 8.7 | 16,033 | 16,818 | 17,841 | | Grand..... | 118 | 120 | 125 | 4.2 | 13,248 | 13,626 | 14,481 | 25 |
| Metropolitan portion..... | 409,240 | 439,721 | 477,826 | 8.7 | 16,221 | 17,012 | 18,044 | | Gunnison..... | 110 | 114 | 117 | 2.6 | 10,697 | 11,178 | 11,611 | 47 |
| Nonmetropolitan portion..... | 13,367 | 14,365 | 15,721 | 9.4 | 11,837 | 12,462 | 13,299 | | Hinsdale..... | 7 | 7 | 7 | 0 | 12,786 | 13,070 | 14,254 | 26 |
| Alameda..... | 20,275 | 21,472 | 22,960 | 6.9 | 16,969 | 17,749 | 18,774 | 8 | Huerfano..... | 63 | 63 | 68 | 7.9 | 8,978 | 9,115 | 9,990 | 61 |
| Alpine..... | 15 | 17 | 17 | 0 | 13,023 | 12,901 | 14,220 | 30 | Jackson..... | 19 | 21 | 25 | 19.0 | 11,328 | 12,795 | 15,282 | 21 |
| Amador..... | 293 | 319 | 354 | 11.0 | 12,613 | 13,274 | 13,979 | 33 | Jefferson..... | 7,246 | 7,558 | 7,837 | 3.7 | 17,296 | 17,761 | 18,084 | 10 |
| Butte..... | 1,875 | 2,020 | 2,199 | 8.9 | 11,545 | 12,226 | 13,013 | 43 | Kiowa..... | 41 | 42 | 47 | 11.9 | 20,545 | 21,686 | 23,437 | 3 |
| Calaveras..... | 294 | 330 | 356 | 7.9 | 11,067 | 11,794 | 11,989 | 52 | Kit Carson..... | 120 | 119 | 139 | 16.8 | 15,415 | 15,523 | 18,229 | 8 |
| Colusa..... | 205 | 209 | 221 | 5.7 | 14,073 | 14,117 | 14,950 | 22 | Lake..... | 69 | 62 | 58 | -6.5 | 9,831 | 9,239 | 9,169 | 62 |
| Contra Costa..... | 13,924 | 15,011 | 16,195 | 7.9 | 19,470 | 20,574 | 21,737 | 4 | La Plata..... | 370 | 383 | 400 | 4.4 | 11,751 | 12,200 | 12,829 | 37 |
| Del Norte..... | 190 | 201 | 214 | 6.5 | 10,208 | 10,618 | 11,085 | 57 | Larimer..... | 2,206 | 2,362 | 2,494 | 5.6 | 12,924 | 13,470 | 13,890 | 27 |
| El Dorado..... | 1,428 | 1,596 | 1,766 | 10.7 | 13,746 | 14,725 | 15,517 | 21 | Las Animas..... | 134 | 137 | 147 | 7.3 | 9,300 | 9,597 | 10,499 | 56 |
| Fresno..... | 7,429 | 7,869 | 8,690 | 10.4 | 12,897 | 13,463 | 14,545 | 25 | Lincoln..... | 69 | 71 | 75 | 5.6 | 14,680 | 15,038 | 16,062 | 17 |
| Glenn..... | 278 | 291 | 309 | 6.2 | 12,118 | 12,690 | 13,455 | 41 | Logan..... | 233 | 239 | 251 | 5.0 | 11,727 | 12,384 | 13,333 | 29 |
| Humboldt..... | 1,371 | 1,479 | 1,617 | 9.3 | 12,256 | 13,136 | 14,224 | 29 | Mineral..... | 1,042 | 1,058 | 1,126 | 6.4 | 11,456 | 11,858 | 12,571 | 42 |
| Imperial..... | 1,086 | 1,136 | 1,243 | 9.4 | 10,260 | 10,628 | 11,345 | 56 | Moffat..... | 144 | 146 | 155 | 6.2 | 10,919 | 11,444 | 12,849 | 37 |
| Inyo..... | 235 | 245 | 261 | 6.5 | 12,899 | 13,643 | 14,570 | 24 | Montezuma..... | 200 | 202 | 213 | 5.4 | 10,343 | 10,428 | 11,146 | 52 |
| Kern..... | 6,224 | 6,668 | 7,020 | 5.3 | 12,978 | 13,536 | 13,914 | 34 | Montrose..... | 254 | 275 | 297 | 8.0 | 9,993 | 10,989 | 11,859 | 45 |
| Kings..... | 943 | 959 | 1,151 | 17.9 | 11,103 | 11,217 | 12,929 | 46 | Morgan..... | 246 | 254 | 270 | 6.3 | 10,560 | 11,228 | 11,905 | 44 |
| Lake..... | 560 | 603 | 648 | 7.5 | 11,737 | 12,264 | 12,883 | 48 | Otero..... | 237 | 247 | 251 | 1.6 | 10,730 | 11,251 | 11,583 | 48 |
| Lassen..... | 264 | 281 | 301 | 7.1 | 10,835 | 11,277 | 11,490 | 55 | Ouray..... | 27 | 28 | 31 | 10.7 | 13,425 | 13,845 | 14,581 | 24 |
| Los Angeles..... | 130,395 | 139,492 | 151,919 | 8.9 | 16,037 | 16,727 | 17,863 | 12 | Park..... | 83 | 86 | 91 | 5.8 | 12,196 | 12,356 | 12,605 | 41 |
| Madera..... | 771 | 865 | 982 | 13.5 | 10,300 | 11,205 | 12,492 | 51 | Phillips..... | 59 | 67 | 68 | 1.5 | 13,154 | 15,164 | 15,984 | 18 |
| Marin..... | 6,056 | 6,417 | 6,872 | 7.1 | 26,933 | 28,317 | 30,181 | 1 | Pitkin..... | 249 | 274 | 289 | 5.5 | 24,488 | 26,278 | 27,078 | 1 |
| Mariposa..... | 157 | 169 | 178 | 5.3 | 11,846 | 12,343 | 12,698 | 50 | Prowers..... | 169 | 171 | 180 | 5.3 | 11,893 | 12,074 | 12,629 | 40 |
| Mendocino..... | 901 | 966 | 1,037 | 7.3 | 12,299 | 13,036 | 13,836 | 36 | Pueblo..... | 1,351 | 1,406 | 1,458 | 3.7 | 10,716 | 11,099 | 11,444 | 50 |
| Merced..... | 1,788 | 1,945 | 2,142 | 10.1 | 11,308 | 12,066 | 12,919 | 47 | Rio Blanco..... | 87 | 86 | 88 | 2.3 | 13,017 | 12,918 | 13,530 | 28 |
| Modoc..... | 107 | 108 | 119 | 10.2 | 11,270 | 11,692 | 12,958 | 45 | Rio Grande..... | 124 | 132 | 137 | 3.8 | 10,883 | 11,256 | 11,625 | 46 |
| Mono..... | 131 | 139 | 148 | 6.5 | 14,413 | 15,241 | 16,040 | 19 | Routt..... | 212 | 207 | 213 | 2.9 | 15,481 | 15,570 | 16,206 | 16 |
| Monterey..... | 4,826 | 5,160 | 5,538 | 7.3 | 14,653 | 15,280 | 16,141 | 18 | Saguache..... | 38 | 39 | 42 | 7.7 | 9,386 | 9,215 | 10,081 | 60 |
| Napa..... | 1,712 | 1,823 | 1,942 | 6.5 | 16,578 | 17,458 | 18,476 | 10 | San Juan..... | 8 | 12 | 14 | 16.7 | 8,416 | 14,368 | 15,501 | 20 |
| Nevada..... | 867 | 959 | 1,051 | 9.6 | 12,815 | 13,599 | 14,265 | 28 | San Miguel..... | 34 | 39 | 44 | 12.8 | 11,444 | 12,146 | 13,235 | 32 |
| Orange..... | 40,170 | 43,555 | 47,586 | 9.3 | 18,886 | 20,030 | 21,444 | 6 | Sedgwick..... | 45 | 47 | 50 | 6.4 | 14,189 | 15,503 | 16,833 | 15 |
| Placer..... | 2,137 | 2,360 | 2,588 | 9.7 | 15,488 | 16,525 | 17,399 | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|-------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| New Castle..... | 6,708 | 7,137 | 7,794 | 9.2 | 16,266 | 17,034 | 18,346 | 1 | Bleckley..... | 107 | 113 | 123 | 8.8 | 10,024 | 10,615 | 11,647 | 67 |
| Sussex..... | 1,276 | 1,416 | 1,512 | 6.8 | 11,963 | 12,881 | 13,438 | 2 | Branley..... | 81 | 90 | 92 | 2.2 | 8,371 | 9,051 | 9,096 | 152 |
| District of Columbia..... | 11,105 | 11,675 | 12,475 | 6.9 | 17,817 | 18,667 | 20,057 | ..... | Brooks..... | 117 | 121 | 138 | 14.0 | 7,767 | 7,975 | 9,131 | 149 |
| Florida..... | 158,411 | 171,067 | 187,377 | 9.5 | 13,939 | 14,628 | 15,584 | ..... | Bryan..... | 121 | 140 | 159 | 13.6 | 9,908 | 10,558 | 10,940 | 92 |
| Metropolitan portion..... | 146,983 | 158,584 | 173,652 | 9.5 | 14,229 | 14,932 | 15,911 | ..... | Bulloch..... | 352 | 377 | 416 | 10.3 | 9,421 | 10,227 | 11,108 | 86 |
| Nonmetropolitan portion..... | 11,429 | 12,483 | 13,726 | 10.0 | 11,041 | 11,624 | 12,568 | ..... | Burke..... | 200 | 209 | 214 | 2.4 | 9,676 | 9,683 | 10,008 | 125 |
| Alachua..... | 1,952 | 2,098 | 2,284 | 8.9 | 11,240 | 11,898 | 12,655 | 28 | Butts..... | 155 | 167 | 177 | 6.0 | 10,295 | 10,678 | 10,992 | 90 |
| Baker..... | 160 | 174 | 187 | 7.5 | 9,248 | 9,780 | 10,252 | 47 | Calhoun..... | 53 | 53 | 61 | 15.1 | 9,556 | 9,642 | 11,471 | 71 |
| Bay..... | 1,296 | 1,399 | 1,501 | 7.3 | 11,306 | 11,745 | 12,271 | 33 | Camden..... | 196 | 219 | 243 | 11.0 | 10,927 | 11,289 | 11,667 | 65 |
| Brevard..... | 191 | 201 | 214 | 6.5 | 8,003 | 8,310 | 8,743 | 64 | Candler..... | 68 | 76 | 84 | 10.5 | 8,871 | 10,198 | 11,193 | 81 |
| Bradford..... | 4,716 | 5,044 | 5,492 | 8.9 | 13,570 | 13,887 | 14,650 | 17 | Carroll..... | 689 | 762 | 831 | 9.1 | 10,893 | 11,730 | 12,377 | 43 |
| Broward..... | 68 | 72 | 80 | 11.1 | 7,006 | 7,305 | 8,115 | 66 | Carroll..... | 370 | 404 | 443 | 9.7 | 9,507 | 10,152 | 10,962 | 91 |
| Calhoun..... | 1,273 | 20,463 | 22,367 | 9.3 | 17,164 | 17,971 | 19,238 | 5 | Chariton..... | 77 | 83 | 87 | 4.8 | 10,194 | 10,494 | 10,712 | 102 |
| Charlotte..... | 809 | 1,193 | 1,321 | 10.7 | 13,501 | 14,067 | 14,823 | 16 | Chatham..... | 2,735 | 2,934 | 3,144 | 7.2 | 12,680 | 13,608 | 14,418 | 15 |
| Citrus..... | 1,073 | 911 | 1,006 | 10.4 | 10,684 | 10,960 | 11,498 | 40 | Chatahoochee..... | 169 | 165 | 174 | 5.5 | 8,181 | 9,069 | 10,001 | 127 |
| Clay..... | 1,144 | 1,262 | 1,409 | 11.6 | 13,066 | 13,644 | 14,534 | 20 | Chatooga..... | 198 | 213 | 232 | 8.9 | 9,292 | 9,902 | 10,717 | 101 |
| Collier..... | 2,028 | 2,257 | 2,547 | 12.8 | 17,318 | 18,398 | 19,906 | 4 | Cherokee..... | 902 | 1,070 | 1,211 | 13.2 | 13,249 | 14,411 | 14,949 | 9 |
| Columbia..... | 384 | 407 | 437 | 7.4 | 9,547 | 9,939 | 10,505 | 44 | Clarke..... | 900 | 975 | 1,050 | 7.7 | 11,593 | 12,696 | 13,533 | 20 |
| Dade..... | 24,257 | 25,687 | 28,106 | 9.4 | 13,905 | 14,592 | 15,689 | 12 | Clay..... | 24 | 25 | 28 | 12.0 | 7,358 | 7,337 | 8,125 | 159 |
| De Soto..... | 193 | 208 | 231 | 11.1 | 8,997 | 9,376 | 10,424 | 45 | Clayton..... | 2,121 | 2,287 | 2,481 | 8.5 | 12,682 | 13,793 | 14,662 | 11 |
| Dixie..... | 71 | 76 | 84 | 10.5 | 7,641 | 7,969 | 8,447 | 65 | Clinch..... | 59 | 59 | 59 | 0 | 8,683 | 8,602 | 8,537 | 157 |
| Duval..... | 8,306 | 8,913 | 9,629 | 8.0 | 13,182 | 13,779 | 14,542 | 19 | Clifton..... | 6,394 | 7,106 | 7,848 | 10.4 | 17,138 | 18,163 | 19,206 | 2 |
| Escambia..... | 2,903 | 3,106 | 3,319 | 6.9 | 11,039 | 11,520 | 12,090 | 34 | Coffee..... | 260 | 287 | 306 | 6.6 | 8,997 | 9,663 | 10,260 | 119 |
| Flagler..... | 201 | 219 | 247 | 12.8 | 11,885 | 11,586 | 12,015 | 35 | Colquitt..... | 374 | 395 | 427 | 8.1 | 10,314 | 10,768 | 11,448 | 72 |
| Franklin..... | 71 | 77 | 82 | 6.5 | 8,621 | 9,311 | 9,840 | 53 | Columbia..... | 695 | 788 | 852 | 8.1 | 13,171 | 13,947 | 14,273 | 16 |
| Gadsden..... | 338 | 374 | 411 | 9.9 | 7,627 | 8,379 | 9,079 | 60 | Cook..... | 118 | 130 | 141 | 8.5 | 8,536 | 9,278 | 10,063 | 122 |
| Gilchrist..... | 73 | 78 | 88 | 12.8 | 10,145 | 10,756 | 11,951 | 36 | Coweta..... | 538 | 599 | 655 | 9.3 | 11,965 | 12,912 | 13,565 | 18 |
| Glades..... | 54 | 55 | 60 | 9.1 | 7,958 | 8,311 | 8,747 | 63 | Crawford..... | 78 | 82 | 88 | 7.3 | 10,457 | 11,419 | 12,216 | 48 |
| Gulf..... | 104 | 114 | 122 | 7.0 | 8,880 | 9,329 | 9,951 | 51 | Crisp..... | 179 | 192 | 209 | 8.9 | 8,824 | 9,516 | 10,295 | 117 |
| Hamilton..... | 79 | 82 | 88 | 7.3 | 8,427 | 8,921 | 9,377 | 58 | Dade..... | 99 | 106 | 116 | 9.4 | 8,534 | 8,884 | 9,607 | 139 |
| Hardee..... | 203 | 212 | 233 | 9.9 | 9,611 | 9,792 | 10,623 | 42 | Dawson..... | 73 | 89 | 97 | 9.0 | 11,669 | 12,496 | 12,513 | 38 |
| Hendry..... | 267 | 277 | 311 | 12.3 | 11,816 | 11,766 | 12,914 | 25 | Decatur..... | 243 | 266 | 285 | 7.1 | 9,113 | 9,947 | 10,685 | 104 |
| Hernando..... | 804 | 917 | 1,032 | 12.5 | 10,751 | 11,304 | 11,816 | 38 | De Kalb..... | 8,415 | 8,966 | 9,653 | 7.7 | 16,212 | 16,823 | 17,923 | 4 |
| Highlands..... | 669 | 739 | 809 | 9.5 | 11,363 | 12,031 | 12,657 | 27 | Dodge..... | 155 | 159 | 174 | 9.4 | 9,112 | 9,140 | 10,042 | 123 |
| Hillsborough..... | 9,497 | 10,271 | 11,262 | 9.6 | 12,584 | 13,232 | 14,119 | 21 | Dooly..... | 99 | 97 | 117 | 20.6 | 9,523 | 9,241 | 11,347 | 74 |
| Holmes..... | 127 | 136 | 142 | 4.4 | 7,986 | 8,472 | 8,841 | 62 | Dougherty..... | 1,099 | 1,143 | 1,192 | 4.3 | 10,622 | 11,152 | 11,714 | 63 |
| Indian River..... | 1,220 | 1,321 | 1,466 | 11.0 | 15,690 | 16,250 | 17,440 | 7 | Douglas..... | 799 | 889 | 977 | 9.9 | 12,230 | 13,074 | 13,838 | 17 |
| Jackson..... | 355 | 374 | 414 | 10.7 | 8,587 | 8,990 | 9,787 | 55 | Early..... | 121 | 128 | 136 | 6.3 | 9,352 | 9,677 | 10,436 | 111 |
| Jefferson..... | 99 | 108 | 118 | 9.3 | 8,531 | 9,284 | 10,028 | 50 | Echols..... | 19 | 20 | 21 | 5.0 | 7,774 | 8,527 | 9,125 | 150 |
| Lafayette..... | 49 | 56 | 59 | 5.4 | 10,961 | 11,490 | 11,866 | 37 | Effingham..... | 209 | 241 | 252 | 4.6 | 9,828 | 10,722 | 10,792 | 97 |
| Lake..... | 1,783 | 1,965 | 2,194 | 11.7 | 13,910 | 14,597 | 15,580 | 13 | Elbert..... | 196 | 206 | 220 | 6.8 | 10,326 | 10,846 | 11,552 | 69 |
| Lee..... | 3,813 | 4,224 | 4,687 | 11.0 | 14,290 | 14,992 | 15,908 | 10 | Emanuel..... | 178 | 191 | 207 | 8.4 | 8,342 | 8,641 | 9,425 | 143 |
| Leon..... | 1,949 | 2,166 | 2,401 | 10.8 | 11,484 | 12,530 | 13,540 | 24 | Evans..... | 88 | 94 | 102 | 8.5 | 10,652 | 11,243 | 12,149 | 50 |
| Levy..... | 210 | 226 | 245 | 8.4 | 8,705 | 9,019 | 9,553 | 56 | Fannin..... | 137 | 148 | 159 | 7.4 | 8,848 | 9,322 | 9,906 | 130 |
| Liberty..... | 41 | 45 | 49 | 8.9 | 9,178 | 9,613 | 10,301 | 46 | Fayette..... | 759 | 877 | 1,000 | 14.0 | 17,556 | 18,347 | 19,221 | 1 |
| Madison..... | 127 | 136 | 147 | 8.1 | 8,224 | 8,723 | 9,374 | 59 | Floyd..... | 917 | 972 | 1,070 | 7.9 | 11,676 | 12,538 | 13,466 | 21 |
| Manatee..... | 2,528 | 2,722 | 2,970 | 9.1 | 14,477 | 15,198 | 16,180 | 8 | Forsyth..... | 495 | 581 | 635 | 9.3 | 14,096 | 15,457 | 15,917 | 7 |
| Marion..... | 1,712 | 1,895 | 2,093 | 10.4 | 10,392 | 10,871 | 11,543 | 39 | Franklin..... | 169 | 189 | 198 | 4.8 | 10,692 | 11,732 | 12,050 | 55 |
| Martin..... | 1,539 | 1,744 | 1,947 | 11.6 | 18,573 | 20,032 | 21,458 | 1 | Fulton..... | 10,381 | 11,229 | 12,087 | 7.6 | 16,822 | 17,743 | 18,915 | 3 |
| Monroe..... | 932 | 1,045 | 1,162 | 11.2 | 13,116 | 13,446 | 15,553 | 14 | Gilmer..... | 128 | 148 | 162 | 9.5 | 10,613 | 11,840 | 12,502 | 39 |
| Nassau..... | 499 | 554 | 595 | 7.4 | 12,528 | 13,240 | 13,573 | 23 | Glascok..... | 25 | 27 | 28 | 3.7 | 10,499 | 11,756 | 12,374 | 44 |
| Ocala..... | 1,512 | 1,653 | 1,815 | 9.8 | 11,189 | 11,739 | 12,485 | 31 | Glynn..... | 741 | 796 | 860 | 8.0 | 12,534 | 13,499 | 14,419 | 14 |
| Okaloosa..... | 247 | 285 | 313 | 9.8 | 9,478 | 10,241 | 10,851 | 41 | Gordon..... | 338 | 382 | 409 | 7.1 | 10,236 | 11,732 | 12,478 | 40 |
| Orange..... | 7,783 | 8,546 | 9,411 | 10.1 | 14,023 | 14,813 | 15,785 | 11 | Grady..... | 189 | 203 | 218 | 7.4 | 9,928 | 9,288 | 9,807 | 133 |
| Osceola..... | 1,042 | 1,183 | 1,326 | 12.1 | 13,579 | 14,384 | 15,240 | 15 | Greene..... | 109 | 120 | 127 | 5.8 | 9,129 | 10,153 | 10,733 | 99 |
| Palm Beach..... | 13,971 | 15,181 | 16,785 | 10.6 | 19,288 | 19,990 | 21,246 | 2 | Gwinnett..... | 3,997 | 4,598 | 5,244 | 14.0 | 15,811 | 16,550 | 17,365 | 5 |
| Pasco..... | 2,703 | 2,994 | 3,262 | 9.0 | 11,395 | 12,137 | 12,696 | 26 | Habersham..... | 278 | 319 | 336 | 5.3 | 10,353 | 11,617 | 12,060 | 54 |
| Pinellas..... | 12,857 | 13,685 | 14,776 | 8.0 | 15,995 | 16,845 | 17,947 | 6 | Hall..... | 1,064 | 1,181 | 1,278 | 8.2 | 12,611 | 13,717 | 14,502 | 13 |
| Polk..... | 4,130 | 4,410 | 4,830 | 9.5 | 11,212 | 11,679 | 12,479 | 32 | Hancock..... | 74 | 81 | 85 | 4.9 | 7,762 | 8,607 | 9,119 | 151 |
| Putnam..... | 546 | 594 | 636 | 7.1 | 9,303 | 9,826 | 10,162 | 48 | Haralson..... | 215 | 232 | 247 | 6.5 | 10,791 | 11,452 | 12,008 | 57 |
| St. Johns..... | 962 | 1,097 | 1,199 | 9.3 | 14,161 | 15,292 | 15,926 | 9 | Harris..... | 187 | 206 | 225 | 9.2 | 10,928 | 12,155 | 13,239 | 22 |
| St. Lucie..... | 1,280 | 1,398 | 1,562 | 11.7 | 11,056 | 11,608 | 12,530 | 29 | Hart..... | 208 | 226 | 244 | 8.0 | 10,718 | 11,502 | 12,364 | 45 |
| Santa Rosa..... | 739 | 801 | 868 | 8.4 | 11,306 | 11,926 | 12,509 | 30 | Heard..... | 67 | 72 | 78 | 8.3 | 9,694 | 9,717 | 10,406 | 113 |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|--------------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Mitchell | 176 | 189 | 204 | 7.9 | 8,151 | 8,709 | 9,420 | 144 | Custer | 48 | 47 | 47 | 0 | 9,269 | 9,761 | 10,345 | 34 |
| Monroe | 171 | 187 | 202 | 8.0 | 11,007 | 12,161 | 12,911 | 30 | Elmore | 211 | 215 | 231 | 7.4 | 9,472 | 9,662 | 10,390 | 32 |
| Montgomery | 65 | 69 | 76 | 10.1 | 9,226 | 9,441 | 10,331 | 115 | Franklin | 70 | 76 | 79 | 3.9 | 7,328 | 8,075 | 8,468 | 44 |
| Morgan | 139 | 155 | 165 | 6.5 | 11,218 | 12,405 | 12,975 | 28 | Fremont (incl Ylwsn Natl. Pk.) | 103 | 104 | 114 | 9.6 | 9,813 | 9,887 | 11,042 | 23 |
| Murray | 209 | 234 | 260 | 11.1 | 9,562 | 10,386 | 11,157 | 84 | Gem | 124 | 126 | 129 | 2.4 | 10,688 | 11,066 | 11,442 | 17 |
| Muscooge | 2,010 | 2,144 | 2,336 | 9.0 | 11,227 | 12,100 | 13,119 | 26 | Gooding | 120 | 127 | 135 | 6.3 | 9,879 | 10,692 | 11,584 | 14 |
| Newton | 446 | 487 | 529 | 8.6 | 11,360 | 11,889 | 12,545 | 37 | Idaho | 136 | 142 | 154 | 8.5 | 9,512 | 10,241 | 11,326 | 18 |
| Oconee | 179 | 202 | 218 | 7.9 | 12,125 | 13,969 | 14,607 | 12 | Jefferson | 137 | 141 | 154 | 9.2 | 8,374 | 8,797 | 9,517 | 41 |
| Oglethorpe | 88 | 100 | 104 | 4.0 | 9,283 | 10,455 | 10,821 | 96 | Jerome | 136 | 143 | 158 | 10.5 | 8,847 | 9,382 | 10,614 | 29 |
| Paulding | 344 | 399 | 445 | 11.5 | 11,197 | 12,511 | 13,048 | 27 | Kootenai | 723 | 761 | 802 | 5.4 | 10,830 | 11,302 | 11,910 | 12 |
| Peach | 211 | 236 | 253 | 7.2 | 10,736 | 11,984 | 12,678 | 34 | Latah | 304 | 320 | 339 | 5.9 | 9,774 | 10,456 | 11,170 | 19 |
| Pickens | 145 | 168 | 180 | 7.1 | 10,947 | 12,639 | 13,135 | 25 | Lemhi | 68 | 70 | 75 | 7.1 | 9,135 | 10,090 | 10,971 | 25 |
| Pierce | 106 | 113 | 122 | 8.0 | 8,347 | 8,695 | 9,311 | 145 | Lewis | 46 | 49 | 54 | 10.2 | 12,075 | 12,874 | 14,524 | 5 |
| Pike | 96 | 105 | 114 | 8.6 | 10,565 | 11,746 | 12,419 | 42 | Lincoln | 33 | 36 | 40 | 11.1 | 9,547 | 10,407 | 11,938 | 11 |
| Polk | 336 | 360 | 384 | 6.7 | 9,983 | 10,729 | 11,300 | 76 | Madison | 171 | 176 | 191 | 8.5 | 7,779 | 7,998 | 8,717 | 43 |
| Pulaski | 87 | 88 | 98 | 11.4 | 8,740 | 9,029 | 11,240 | 79 | Minidoka | 173 | 182 | 194 | 6.6 | 8,224 | 8,751 | 9,517 | 40 |
| Putnam | 119 | 128 | 136 | 6.3 | 10,143 | 10,536 | 11,184 | 82 | Nez Perce | 396 | 415 | 436 | 5.1 | 11,933 | 12,429 | 13,033 | 8 |
| Quitman | 20 | 21 | 22 | 4.8 | 8,740 | 9,201 | 9,634 | 137 | Oneyda | 31 | 34 | 37 | 8.8 | 8,757 | 9,622 | 10,500 | 31 |
| Rabun | 102 | 109 | 117 | 7.3 | 9,335 | 10,078 | 10,742 | 100 | Owyhee | 64 | 69 | 77 | 11.6 | 7,482 | 8,065 | 9,226 | 42 |
| Randolph | 74 | 76 | 82 | 7.9 | 8,035 | 8,384 | 9,124 | 148 | Payette | 149 | 156 | 165 | 5.8 | 9,206 | 9,709 | 10,271 | 35 |
| Richmond | 2,233 | 2,384 | 2,490 | 4.4 | 11,642 | 12,314 | 12,915 | 29 | Power | 89 | 90 | 98 | 8.9 | 12,740 | 13,121 | 14,473 | 6 |
| Rockdale | 631 | 719 | 806 | 12.1 | 14,280 | 15,498 | 16,269 | 6 | Shoshone | 175 | 155 | 150 | -3.2 | 10,308 | 9,606 | 10,127 | 37 |
| Schley | 35 | 37 | 40 | 8.1 | 10,460 | 10,494 | 11,268 | 78 | Teton | 31 | 32 | 36 | 12.5 | 9,913 | 9,850 | 10,994 | 24 |
| Scriven | 131 | 134 | 144 | 7.5 | 8,978 | 8,598 | 9,297 | 146 | Twin Falls | 594 | 618 | 647 | 4.7 | 10,601 | 11,056 | 11,703 | 13 |
| Seminole | 85 | 91 | 99 | 8.8 | 9,605 | 10,395 | 11,390 | 73 | Valley | 73 | 76 | 82 | 7.9 | 10,565 | 10,963 | 11,958 | 10 |
| Spalding | 565 | 612 | 661 | 8.0 | 10,912 | 11,531 | 12,223 | 47 | Washington | 79 | 82 | 87 | 6.1 | 9,388 | 10,079 | 10,933 | 28 |
| Stephens | 220 | 240 | 258 | 7.5 | 9,856 | 10,566 | 11,291 | 77 | Illinois | 169,968 | 179,015 | 190,203 | 6.2 | 14,732 | 15,497 | 16,421 | ..... |
| Stewart | 46 | 47 | 51 | 8.5 | 8,030 | 8,246 | 9,002 | 153 | Metropolitan portion | 145,320 | 153,624 | 163,627 | 6.5 | 15,318 | 16,142 | 17,113 | ..... |
| Sumter | 307 | 325 | 347 | 6.8 | 10,171 | 10,740 | 11,606 | 68 | Nonmetropolitan portion | 24,648 | 25,391 | 26,577 | 4.7 | 12,020 | 12,479 | 13,147 | ..... |
| Talbot | 58 | 61 | 67 | 9.8 | 8,709 | 8,979 | 9,595 | 140 | Adams | 856 | 882 | 932 | 5.7 | 12,350 | 12,928 | 13,781 | 42 |
| Taliaferro | 23 | 25 | 25 | 0 | 11,110 | 11,948 | 12,602 | 35 | Alexander | 104 | 103 | 107 | 3.9 | 8,895 | 9,057 | 9,419 | 99 |
| Tatnall | 162 | 182 | 194 | 6.6 | 9,014 | 10,047 | 10,691 | 103 | Bond | 181 | 188 | 196 | 4.3 | 11,309 | 11,724 | 12,228 | 80 |
| Taylor | 73 | 79 | 84 | 6.3 | 9,176 | 9,840 | 10,534 | 108 | Boone | 401 | 438 | 454 | 3.7 | 13,762 | 14,919 | 15,448 | 15 |
| Telfair | 97 | 102 | 109 | 6.9 | 8,661 | 9,213 | 9,948 | 129 | Brown | 65 | 67 | 71 | 6.0 | 12,223 | 13,241 | 13,976 | 40 |
| Terrell | 89 | 94 | 101 | 7.4 | 7,579 | 8,078 | 8,660 | 156 | Bureau | 511 | 512 | 537 | 4.9 | 13,543 | 13,816 | 14,672 | 22 |
| Thomas | 411 | 442 | 476 | 7.7 | 10,767 | 11,347 | 12,431 | 41 | Calhoun | 60 | 63 | 67 | 6.3 | 10,531 | 11,095 | 11,961 | 85 |
| Tift | 366 | 385 | 411 | 6.8 | 10,748 | 11,334 | 12,038 | 56 | Carroll | 228 | 240 | 249 | 3.8 | 12,726 | 13,557 | 14,262 | 30 |
| Toombs | 239 | 264 | 285 | 8.0 | 10,038 | 11,036 | 11,815 | 62 | Cass | 169 | 179 | 186 | 3.9 | 11,806 | 12,750 | 13,397 | 52 |
| Towns | 55 | 60 | 65 | 8.3 | 9,025 | 9,203 | 9,776 | 135 | Champaign | 2,156 | 2,286 | 2,438 | 6.6 | 12,651 | 13,317 | 14,120 | 33 |
| Treutlen | 49 | 50 | 55 | 10.0 | 8,127 | 8,098 | 8,855 | 155 | Christian | 479 | 485 | 508 | 4.7 | 13,388 | 13,735 | 14,363 | 29 |
| Troup | 592 | 629 | 672 | 6.8 | 11,000 | 11,844 | 12,560 | 36 | Clark | 184 | 192 | 197 | 2.6 | 11,084 | 11,800 | 12,174 | 83 |
| Turner | 85 | 87 | 92 | 5.7 | 8,962 | 8,867 | 9,550 | 141 | Clay | 165 | 170 | 175 | 2.9 | 10,917 | 11,337 | 11,857 | 86 |
| Twiggs | 83 | 87 | 94 | 8.0 | 8,133 | 8,979 | 9,744 | 136 | Clinton | 408 | 452 | 473 | 4.6 | 12,110 | 13,417 | 14,046 | 37 |
| Union | 88 | 100 | 110 | 10.0 | 8,377 | 9,402 | 10,006 | 126 | Coles | 592 | 612 | 649 | 6.0 | 11,322 | 11,770 | 12,532 | 73 |
| Upson | 261 | 280 | 299 | 6.8 | 9,922 | 10,384 | 11,029 | 88 | Cook | 82,068 | 85,994 | 91,154 | 6.0 | 15,499 | 16,249 | 17,236 | 64 |
| Walker | 557 | 606 | 658 | 8.6 | 9,902 | 10,609 | 11,472 | 70 | Crawford | 272 | 278 | 284 | 2.2 | 13,167 | 13,532 | 14,052 | 36 |
| Walton | 361 | 396 | 429 | 8.3 | 10,983 | 11,696 | 12,298 | 46 | Cumberland | 110 | 117 | 122 | 4.3 | 10,112 | 10,827 | 11,255 | 91 |
| Ware | 384 | 397 | 417 | 5.0 | 10,332 | 10,676 | 11,221 | 80 | De Kalb | 935 | 978 | 1,037 | 6.0 | 12,704 | 13,118 | 13,765 | 43 |
| Warren | 53 | 57 | 60 | 5.3 | 8,566 | 8,505 | 8,984 | 154 | De Witt | 266 | 237 | 232 | -2.1 | 14,947 | 13,462 | 13,360 | 54 |
| Washington | 193 | 207 | 228 | 10.1 | 9,977 | 10,773 | 11,884 | 60 | Douglas | 239 | 245 | 248 | 1.2 | 12,284 | 12,494 | 12,663 | 70 |
| Wayne | 211 | 225 | 242 | 7.6 | 9,625 | 10,260 | 10,905 | 93 | Du Page | 13,480 | 14,613 | 15,781 | 8.0 | 18,823 | 20,062 | 21,235 | 2 |
| Webster | 24 | 25 | 27 | 8.0 | 11,288 | 11,169 | 11,962 | 59 | Edgar | 259 | 258 | 263 | 1.9 | 12,302 | 12,331 | 12,727 | 68 |
| Wheeler | 41 | 42 | 47 | 11.9 | 7,970 | 8,151 | 9,216 | 147 | Edwards | 94 | 97 | 102 | 5.2 | 11,516 | 12,040 | 12,815 | 64 |
| White | 125 | 148 | 155 | 4.7 | 10,973 | 12,483 | 12,723 | 33 | Efingham | 386 | 409 | 438 | 7.1 | 12,189 | 12,887 | 13,634 | 46 |
| Whitfield | 859 | 943 | 1,036 | 9.9 | 12,528 | 13,757 | 14,868 | 10 | Payette | 235 | 215 | 235 | 3.1 | 9,785 | 10,397 | 10,809 | 96 |
| Wilcox | 68 | 70 | 78 | 11.4 | 8,979 | 9,171 | 10,357 | 114 | Ford | 205 | 209 | 217 | 3.8 | 13,824 | 14,116 | 14,836 | 19 |
| Wilkes | 113 | 126 | 132 | 4.8 | 10,127 | 11,289 | 11,869 | 61 | Franklin | 482 | 493 | 497 | 8 | 11,258 | 11,512 | 11,773 | 88 |
| Wilkinson | 108 | 115 | 123 | 7.0 | 10,067 | 10,574 | 11,333 | 75 | Fulton | 438 | 451 | 469 | 4.0 | 11,162 | 11,856 | 12,456 | 76 |
| Worth | 171 | 176 | 189 | 7.4 | 9,300 | 9,452 | 10,126 | 121 | Gallatin | 83 | 85 | 86 | 1.2 | 10,984 | 11,413 | 11,783 | 87 |
| Hawaii | 14,589 | 15,639 | 16,970 | 8.5 | 13,874 | 14,689 | 15,677 | ..... | Greene | 162 | 168 | 175 | 4.2 | 10,192 | 10,606 | 11,104 | 94 |
| Metropolitan portion | 11,816 | 12,586 | 13,632 | 8.3 | 14,568 | 15,343 | 16,412 | ..... | Grundy | 473 | 505 | 538 | 6.5 | 15,149 | 15,912 | 16,729 | 7 |
| Nonmetropolitan portion | 2,773 | 3,053 | 3,338 | 9.3 | 11,535 | 12,492 | 13,251 | ..... | Hamilton | 87 | 91 | 96 | 5.5 | 9,514 | 10,180 | 10,789 | 97 |
| Hawaii | 1,188 | 1,302 | 1,425 | 9.4 | 10,851 | 11,716 | 12,455 | 4 | Hancock | 266 | 278 | 292 | 5.0 | 11,397 | 12,069 | 12,808 | 65 |
| Honolulu | 11,816 | 12,586 | 13,632 | 8.3 | 14,568 | 15,343 | 16,412 | 1 | Hardin | 46 | 47 | 50 | 6.4 | 8,599 | 8,944 | 9,402 | 100 |
| Kauai | 516 | 570 | 622 | 9.1 | 11,365 | 12,342 | 13,085 | 3 | Henderson | 95 | 100 | 106 | 6.0 | 10,591 | 11,353 | 12,129 | 84 |
| Mau + Kalawao | 1,069 | 1,181 | 1,290 | 9.2 | 12,502 | 13,563 | 14,352 | 2 | Henry | 669 | 684 | 727 | 6.3 | 12,068 | 12,562 | 13,556 | 47 |
| Idaho | 10,869 | 11,217 | 11,856 | 5.7 | 10,825 | 11,194 | 11,875 | ..... | Iroquois | 407 | 409 | 421 | 2.9 | 12,639 | 12,824 | 13,260 | 56 |
| Metropolitan portion | 2,666 | 2,752 | 2,891 | 5.1 | 13,854 | 14,220 | 14,776 | ..... | Jackson | 600 | 636 | 679 | 6.8 | 9,819 | 10,529 | 11,238 | 92 |
| Nonmetropolitan portion | 8,203 | 8,464 | 8,965 | 5.9 | 10,107 | 10,469 | 11,168 | ..... | Jasper | 126 | 133 | 136 | 2.3 | 11,208 | 11,738 | 12,210 | 81 |
| Ada | 2,666 | 2,752 | 2,891 | 5.1 | 13,854 | 14,220 | 14,776 | 3 | Jefferson | 455 | 480 | 512 | 6.7 | 11,869 | 12,630 | 13,645 | 45 |
| Adams | 37 | 37 | 39 | 5.4 | 10,919 | 11,062 | 11,574 | 16 | Jersey | 223 | 240 | 252 | 5.0 | 11,037 | 11,850 | 12,331 | 79 |
| Bannock | 731 | 73 | | | | | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------------------|-----------------------|---------------|---------------|-----------------------------|---|---------------|---------------|---------------|------------------------------|-----------------------|---------------|---------------|-----------------------------|---|---------------|---------------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Macon..... | 1,663 | 1,713 | 1,801 | 5.1 | 12,970 | 13,551 | 14,456 | 28 | Johnson..... | 1,121 | 1,208 | 1,309 | 8.4 | 13,682 | 14,372 | 15,203 | 7 |
| Macoupin..... | 585 | 615 | 643 | 4.6 | 11,910 | 12,534 | 13,158 | 59 | Knox..... | 469 | 485 | 499 | 2.9 | 11,136 | 11,816 | 12,208 | 64 |
| Madison..... | 3,351 | 3,520 | 3,718 | 5.6 | 13,463 | 14,076 | 14,779 | 20 | Koscusko..... | 793 | 862 | 924 | 7.2 | 12,567 | 13,542 | 14,395 | 16 |
| Manion..... | 500 | 514 | 537 | 4.5 | 11,394 | 11,785 | 12,494 | 75 | Lagrange..... | 277 | 302 | 319 | 5.6 | 10,028 | 10,708 | 11,061 | 83 |
| Marshall..... | 178 | 182 | 190 | 4.4 | 13,223 | 13,797 | 14,549 | 26 | Lake..... | 5,916 | 6,136 | 6,451 | 5.1 | 11,907 | 12,602 | 13,407 | 28 |
| Mason..... | 212 | 212 | 218 | 2.8 | 11,902 | 12,154 | 12,747 | 67 | La Porte..... | 1,320 | 1,385 | 1,468 | 6.0 | 12,391 | 13,165 | 14,039 | 19 |
| Massac..... | 151 | 155 | 164 | 5.8 | 10,189 | 10,406 | 11,153 | 93 | Lawrence..... | 474 | 499 | 529 | 6.0 | 11,129 | 11,740 | 12,319 | 58 |
| Menard..... | 159 | 160 | 170 | 6.3 | 13,617 | 13,783 | 14,612 | 24 | Madison..... | 1,666 | 1,719 | 1,764 | 2.6 | 12,480 | 12,938 | 13,290 | 31 |
| Merced..... | 218 | 222 | 239 | 7.7 | 11,674 | 12,181 | 13,220 | 57 | Marion..... | 10,850 | 11,494 | 12,339 | 7.4 | 13,898 | 14,677 | 15,618 | 4 |
| Monroe..... | 307 | 337 | 360 | 6.8 | 14,709 | 15,936 | 16,551 | 8 | Marshall..... | 473 | 510 | 547 | 7.3 | 11,450 | 12,466 | 13,283 | 32 |
| Montgomery..... | 365 | 379 | 393 | 3.7 | 11,433 | 11,918 | 12,436 | 77 | Martin..... | 100 | 107 | 116 | 8.4 | 9,032 | 9,543 | 10,247 | 89 |
| Morgan..... | 494 | 508 | 529 | 4.1 | 13,224 | 13,608 | 14,244 | 31 | Miami..... | 431 | 452 | 472 | 4.4 | 11,328 | 11,838 | 12,296 | 60 |
| Moultrie..... | 181 | 194 | 197 | 3.7 | 12,506 | 12,977 | 13,454 | 51 | Monroe..... | 1,073 | 1,158 | 1,246 | 7.6 | 10,567 | 11,297 | 12,023 | 68 |
| Ogle..... | 579 | 617 | 652 | 5.7 | 12,629 | 13,673 | 14,518 | 27 | Montgomery..... | 438 | 465 | 486 | 4.5 | 12,281 | 13,014 | 13,574 | 25 |
| Peoria..... | 2,553 | 2,623 | 2,766 | 5.5 | 13,610 | 14,339 | 15,231 | 18 | Morgan..... | 620 | 669 | 718 | 7.3 | 11,391 | 12,459 | 13,224 | 34 |
| Perry..... | 276 | 281 | 290 | 3.2 | 12,477 | 12,799 | 13,293 | 55 | Newton..... | 159 | 165 | 177 | 7.3 | 11,313 | 11,933 | 12,884 | 42 |
| Piatt..... | 235 | 239 | 248 | 3.8 | 14,427 | 14,862 | 15,475 | 14 | Noble..... | 392 | 427 | 459 | 7.5 | 10,614 | 11,352 | 11,976 | 70 |
| Pike..... | 193 | 201 | 217 | 8.0 | 10,583 | 11,268 | 12,355 | 78 | Ohio..... | 53 | 58 | 61 | 5.2 | 9,835 | 10,801 | 11,400 | 80 |
| Pope..... | 37 | 38 | 41 | 7.9 | 8,498 | 8,627 | 9,422 | 98 | Orange..... | 186 | 196 | 212 | 8.2 | 9,676 | 10,316 | 11,127 | 82 |
| Pulaski..... | 74 | 72 | 75 | 4.2 | 8,579 | 8,525 | 8,931 | 101 | Owen..... | 153 | 168 | 180 | 7.1 | 9,244 | 9,861 | 10,348 | 88 |
| Putnam..... | 86 | 87 | 91 | 4.6 | 14,373 | 14,815 | 15,677 | 11 | Parke..... | 173 | 183 | 192 | 4.9 | 10,797 | 11,533 | 12,070 | 66 |
| Randolph..... | 401 | 414 | 432 | 4.3 | 11,310 | 11,679 | 12,209 | 82 | Perry..... | 205 | 211 | 218 | 3.3 | 10,675 | 11,142 | 11,614 | 76 |
| Richland..... | 212 | 213 | 217 | 1.9 | 11,780 | 12,134 | 12,702 | 69 | Pike..... | 156 | 161 | 161 | 0 | 11,817 | 12,254 | 12,430 | 56 |
| Rock Island..... | 2,106 | 2,113 | 2,229 | 5.5 | 12,935 | 13,250 | 14,201 | 32 | Porter..... | 1,591 | 1,657 | 1,773 | 7.0 | 12,944 | 13,581 | 14,404 | 15 |
| St. Clair..... | 3,275 | 3,435 | 3,619 | 5.4 | 12,217 | 12,717 | 13,365 | 53 | Posey..... | 329 | 337 | 342 | 1.5 | 12,516 | 12,838 | 13,246 | 33 |
| Saline..... | 346 | 349 | 368 | 5.4 | 12,128 | 12,288 | 13,073 | 61 | Pulaski..... | 149 | 157 | 173 | 9.5 | 11,107 | 11,886 | 13,010 | 40 |
| Sangamon..... | 2,520 | 2,703 | 2,917 | 7.9 | 14,098 | 15,139 | 16,262 | 9 | Putnam..... | 341 | 360 | 366 | 1.7 | 11,398 | 11,931 | 12,076 | 65 |
| Schuyler..... | 82 | 87 | 91 | 4.6 | 10,354 | 11,229 | 11,755 | 89 | Randolph..... | 307 | 314 | 328 | 4.5 | 10,866 | 11,143 | 11,808 | 72 |
| Scott..... | 74 | 77 | 78 | 1.3 | 12,166 | 12,678 | 13,015 | 63 | Ripley..... | 276 | 293 | 311 | 6.1 | 10,938 | 11,630 | 12,290 | 61 |
| Shelby..... | 269 | 285 | 295 | 3.5 | 11,440 | 12,151 | 12,660 | 71 | Rush..... | 207 | 222 | 236 | 6.3 | 10,970 | 11,948 | 12,791 | 46 |
| Stark..... | 99 | 103 | 105 | 1.9 | 14,375 | 15,100 | 15,862 | 10 | St. Joseph..... | 3,159 | 3,356 | 3,600 | 7.3 | 13,083 | 13,876 | 14,853 | 10 |
| Stephenson..... | 672 | 708 | 759 | 7.2 | 13,563 | 14,342 | 15,428 | 16 | Scott..... | 189 | 201 | 215 | 7.0 | 9,246 | 9,705 | 10,165 | 90 |
| Tazewell..... | 1,659 | 1,713 | 1,807 | 5.5 | 13,122 | 13,753 | 14,586 | 25 | Shelby..... | 490 | 518 | 554 | 6.9 | 12,385 | 12,870 | 13,697 | 22 |
| Union..... | 189 | 198 | 209 | 5.6 | 10,454 | 10,936 | 11,586 | 90 | Spencer..... | 211 | 225 | 233 | 3.6 | 10,383 | 11,248 | 11,667 | 74 |
| Vermilion..... | 1,106 | 1,131 | 1,171 | 3.5 | 12,011 | 12,263 | 12,803 | 66 | Starke..... | 192 | 211 | 226 | 7.1 | 9,080 | 9,790 | 10,394 | 87 |
| Wabash..... | 184 | 181 | 186 | 2.8 | 13,084 | 13,003 | 13,478 | 50 | Steuben..... | 323 | 365 | 401 | 9.9 | 12,521 | 13,716 | 14,662 | 13 |
| Warren..... | 259 | 261 | 270 | 3.4 | 12,425 | 12,687 | 13,493 | 49 | Sullivan..... | 230 | 241 | 249 | 3.3 | 11,112 | 11,857 | 12,271 | 63 |
| Washington..... | 206 | 200 | 210 | 5.0 | 13,528 | 13,089 | 13,730 | 44 | Switzerland..... | 58 | 64 | 67 | 4.7 | 8,020 | 8,685 | 8,987 | 92 |
| Wayne..... | 214 | 218 | 227 | 4.1 | 11,658 | 11,895 | 12,645 | 72 | Tipppecanoe..... | 1,458 | 1,547 | 1,649 | 6.6 | 11,709 | 12,469 | 13,208 | 35 |
| White..... | 223 | 228 | 232 | 1.8 | 12,418 | 12,762 | 13,220 | 58 | Tipton..... | 232 | 233 | 241 | 3.4 | 14,352 | 14,058 | 14,610 | 14 |
| Whiteside..... | 770 | 816 | 878 | 7.6 | 12,133 | 13,012 | 14,035 | 38 | Union..... | 75 | 80 | 85 | 6.3 | 10,643 | 11,535 | 12,322 | 57 |
| Will..... | 4,633 | 4,996 | 5,378 | 7.6 | 13,869 | 14,754 | 15,582 | 12 | Vanderburgh..... | 2,274 | 2,404 | 2,527 | 5.1 | 13,523 | 14,437 | 15,159 | 8 |
| Williamson..... | 681 | 702 | 727 | 3.6 | 11,738 | 12,097 | 12,526 | 74 | Vermillion..... | 188 | 195 | 203 | 4.1 | 10,600 | 11,020 | 11,615 | 75 |
| Winnebago..... | 3,441 | 3,652 | 3,899 | 6.8 | 13,720 | 14,536 | 15,476 | 13 | Vigo..... | 1,235 | 1,293 | 1,350 | 4.4 | 11,204 | 11,944 | 12,544 | 53 |
| Woodford..... | 424 | 440 | 462 | 5.0 | 12,998 | 13,321 | 14,008 | 39 | Wabash..... | 412 | 437 | 460 | 5.3 | 11,741 | 12,303 | 12,967 | 41 |
| Indiana..... | 68,338 | 72,434 | 77,078 | 6.4 | 12,424 | 13,164 | 13,935 | ..... | Warren..... | 98 | 99 | 105 | 6.1 | 11,371 | 11,832 | 12,540 | 54 |
| Metropolitan portion..... | 48,343 | 51,331 | 54,752 | 6.7 | 12,939 | 13,722 | 14,548 | ..... | Warrick..... | 604 | 645 | 683 | 5.9 | 13,404 | 14,251 | 14,766 | 11 |
| Nonmetropolitan portion..... | 19,994 | 21,103 | 22,326 | 5.8 | 11,334 | 11,979 | 12,629 | ..... | Washington..... | 211 | 234 | 250 | 6.8 | 9,451 | 10,313 | 10,843 | 84 |
| Adams..... | 327 | 361 | 381 | 5.5 | 10,842 | 11,760 | 12,307 | 59 | Wayne..... | 843 | 878 | 925 | 5.4 | 11,541 | 12,118 | 12,803 | 44 |
| Allen..... | 4,000 | 4,394 | 4,737 | 7.8 | 13,713 | 14,777 | 15,685 | 3 | Wells..... | 301 | 327 | 349 | 6.7 | 12,378 | 12,720 | 13,365 | 29 |
| Bartholomew..... | 854 | 864 | 928 | 7.4 | 13,207 | 13,425 | 14,270 | 18 | White..... | 266 | 275 | 296 | 7.6 | 11,350 | 11,751 | 12,570 | 52 |
| Benton..... | 131 | 121 | 133 | 9.9 | 13,310 | 13,316 | 13,589 | 24 | Whitley..... | 316 | 344 | 372 | 8.1 | 11,882 | 12,661 | 13,506 | 27 |
| Blackford..... | 173 | 173 | 179 | 3.5 | 11,528 | 11,710 | 12,274 | 62 | Iowa..... | 36,217 | 38,017 | 40,329 | 6.1 | 12,569 | 13,341 | 14,230 | ..... |
| Boone..... | 589 | 628 | 672 | 7.0 | 15,430 | 16,485 | 17,425 | 2 | Metropolitan portion..... | 16,400 | 17,124 | 18,324 | 7.0 | 13,353 | 14,014 | 14,988 | ..... |
| Brown..... | 133 | 140 | 152 | 8.6 | 10,524 | 10,888 | 11,586 | 77 | Nonmetropolitan portion..... | 19,817 | 20,892 | 22,004 | 5.3 | 11,987 | 12,835 | 13,654 | ..... |
| Carroll..... | 238 | 257 | 269 | 4.7 | 12,472 | 13,308 | 13,938 | 20 | Adair..... | 97 | 107 | 115 | 7.5 | 10,729 | 12,247 | 13,549 | 56 |
| Cass..... | 478 | 499 | 528 | 5.8 | 11,928 | 12,511 | 13,127 | 38 | Adams..... | 59 | 67 | 73 | 9.0 | 10,717 | 12,510 | 13,666 | 49 |
| Clark..... | 1,014 | 1,077 | 1,148 | 6.6 | 11,393 | 12,055 | 12,825 | 43 | Allamakee..... | 153 | 166 | 180 | 8.4 | 10,006 | 11,073 | 12,060 | 92 |
| Clay..... | 275 | 284 | 296 | 4.2 | 11,107 | 11,478 | 11,917 | 71 | Appanoose..... | 149 | 159 | 169 | 6.3 | 10,234 | 11,096 | 11,863 | 94 |
| Clinton..... | 375 | 393 | 419 | 6.6 | 12,000 | 12,579 | 13,352 | 30 | Audubon..... | 90 | 97 | 107 | 10.3 | 10,968 | 12,235 | 13,847 | 43 |
| Crawford..... | 87 | 92 | 99 | 7.6 | 8,488 | 9,043 | 9,568 | 91 | Benton..... | 279 | 301 | 314 | 4.3 | 12,148 | 13,201 | 13,774 | 47 |
| Daviess..... | 285 | 310 | 330 | 6.5 | 9,864 | 10,888 | 11,446 | 79 | Black Hawk..... | 1,569 | 1,569 | 1,676 | 6.8 | 11,939 | 12,289 | 13,323 | 64 |
| Dearborn..... | 430 | 463 | 499 | 7.8 | 11,781 | 12,467 | 13,175 | 37 | Boone..... | 324 | 338 | 353 | 4.4 | 12,551 | 13,189</ | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ¹ | | | | Area name | Total personal income | | | | Per capita personal income ¹ | | | |
|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|--------------|-----------------------|-------|-------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Emmet | 150 | 154 | 157 | 1.9 | 12,105 | 13,009 | 13,559 | 55 | Crawford | 443 | 461 | 480 | 4.1 | 11,709 | 12,225 | 12,827 | 83 |
| Fayette | 256 | 271 | 288 | 6.3 | 10,588 | 11,557 | 12,469 | 85 | Decatur | 81 | 86 | 95 | 10.5 | 18,033 | 19,817 | 22,335 | 3 |
| Floyd | 215 | 226 | 240 | 6.2 | 11,277 | 12,229 | 13,069 | 72 | Dickinson | 245 | 255 | 271 | 6.3 | 12,370 | 12,843 | 13,541 | 68 |
| Franklin | 150 | 163 | 164 | .6 | 11,896 | 13,153 | 13,488 | 59 | Doniphan | 99 | 102 | 105 | 2.9 | 10,917 | 11,223 | 11,640 | 102 |
| Fremont | 125 | 132 | 133 | .8 | 13,902 | 14,828 | 14,918 | 15 | Douglas | 805 | 880 | 928 | 5.5 | 11,283 | 11,976 | 12,349 | 91 |
| Greene | 151 | 161 | 170 | 5.6 | 13,129 | 14,471 | 15,608 | 6 | Edwards | 67 | 73 | 79 | 8.2 | 16,509 | 18,706 | 20,496 | 5 |
| Grundy | 186 | 192 | 207 | 7.8 | 13,703 | 14,585 | 15,861 | 3 | Elk | 42 | 45 | 44 | -2.2 | 11,342 | 12,411 | 12,432 | 89 |
| Guthrie | 134 | 144 | 155 | 7.6 | 11,725 | 12,716 | 13,612 | 53 | Ellis | 348 | 344 | 350 | 1.7 | 12,453 | 12,483 | 12,991 | 79 |
| Hamilton | 246 | 265 | 275 | 3.8 | 14,267 | 15,433 | 16,112 | 2 | Ellsworth | 80 | 85 | 85 | 0 | 12,570 | 13,556 | 13,950 | 58 |
| Hancock | 170 | 179 | 184 | 2.8 | 12,393 | 13,333 | 13,824 | 45 | Finney | 380 | 399 | 426 | 6.8 | 12,754 | 13,177 | 14,014 | 55 |
| Hardin | 276 | 296 | 303 | 2.4 | 12,973 | 14,357 | 14,910 | 16 | Ford | 375 | 392 | 406 | 3.6 | 14,339 | 15,011 | 15,383 | 34 |
| Harrison | 187 | 198 | 195 | 3.7 | 11,690 | 11,781 | 12,328 | 87 | Franklin | 263 | 281 | 287 | 2.1 | 11,830 | 12,680 | 12,937 | 82 |
| Henry | 237 | 253 | 268 | 5.9 | 12,770 | 13,390 | 14,135 | 35 | Geary | 303 | 310 | 319 | 2.9 | 9,740 | 10,121 | 10,680 | 105 |
| Howard | 121 | 136 | 143 | 5.1 | 11,147 | 12,774 | 13,515 | 58 | Gove | 48 | 51 | 56 | 9.8 | 13,287 | 14,600 | 16,535 | 19 |
| Humboldt | 143 | 152 | 157 | 3.3 | 12,054 | 13,182 | 13,902 | 39 | Graham | 51 | 51 | 51 | 0 | 12,508 | 13,001 | 13,672 | 64 |
| Ida | 108 | 116 | 123 | 6.0 | 12,177 | 13,179 | 14,255 | 30 | Grant | 95 | 100 | 114 | 14.0 | 13,999 | 14,634 | 16,670 | 17 |
| Iowa | 191 | 202 | 220 | 8.9 | 12,548 | 13,398 | 14,574 | 24 | Gray | 73 | 83 | 91 | 9.6 | 13,687 | 15,618 | 16,986 | 15 |
| Jackson | 232 | 241 | 265 | 10.0 | 10,397 | 10,950 | 12,201 | 90 | Greene | 38 | 32 | 29 | -9.4 | 21,443 | 17,923 | 15,760 | 27 |
| Jasper | 486 | 506 | 545 | 7.7 | 13,582 | 14,101 | 15,180 | 10 | Greenwood | 100 | 105 | 112 | 6.7 | 11,718 | 12,689 | 13,853 | 61 |
| Jefferson | 184 | 202 | 213 | 5.4 | 11,115 | 12,269 | 12,908 | 78 | Hamilton | 38 | 46 | 57 | 23.9 | 15,107 | 18,102 | 23,070 | 2 |
| Johnson | 1,174 | 1,266 | 1,352 | 6.8 | 13,738 | 14,796 | 15,747 | 4 | Harper | 105 | 114 | 119 | 4.4 | 13,571 | 15,030 | 15,858 | 26 |
| Jones | 212 | 228 | 246 | 7.9 | 10,473 | 11,449 | 12,315 | 89 | Harvey | 387 | 409 | 420 | 2.7 | 12,534 | 13,281 | 13,642 | 65 |
| Keokuk | 151 | 165 | 177 | 7.3 | 12,059 | 13,430 | 14,737 | 17 | Haskell | 65 | 71 | 75 | 5.6 | 16,276 | 18,354 | 18,842 | 8 |
| Kossuth | 256 | 273 | 271 | -7 | 12,200 | 13,435 | 13,630 | 51 | Hodgeman | 30 | 32 | 38 | 18.8 | 13,223 | 13,802 | 17,040 | 14 |
| Lee | 508 | 519 | 530 | 2.1 | 12,204 | 12,582 | 13,008 | 75 | Jackson | 135 | 142 | 146 | 2.8 | 11,498 | 12,100 | 12,349 | 90 |
| Lincoln | 2,314 | 2,437 | 2,616 | 7.3 | 13,689 | 14,430 | 15,429 | 7 | Jefferson | 188 | 199 | 209 | 5.0 | 11,801 | 12,392 | 12,777 | 85 |
| Lousa | 146 | 156 | 165 | 5.8 | 12,162 | 13,064 | 13,830 | 44 | Jewell | 59 | 65 | 64 | -1.5 | 12,262 | 13,699 | 13,766 | 62 |
| Lucas | 115 | 121 | 128 | 5.8 | 11,477 | 12,360 | 13,303 | 66 | Johnson | 5,973 | 6,536 | 7,059 | 8.0 | 19,491 | 20,561 | 21,173 | 4 |
| Lyon | 146 | 155 | 160 | 3.2 | 11,549 | 12,493 | 13,011 | 74 | Kearny | 65 | 63 | 70 | 11.1 | 16,991 | 16,084 | 17,553 | 11 |
| Madison | 148 | 161 | 170 | 5.6 | 11,870 | 12,942 | 13,642 | 50 | Kingman | 105 | 114 | 114 | 0 | 11,741 | 12,774 | 12,822 | 84 |
| Mahaska | 260 | 279 | 295 | 5.7 | 11,607 | 12,486 | 13,273 | 67 | Kiowa | 57 | 61 | 61 | 0 | 14,425 | 15,895 | 16,169 | 21 |
| Marion | 393 | 418 | 451 | 7.9 | 13,203 | 13,919 | 15,030 | 12 | Labette | 298 | 313 | 332 | 6.1 | 11,641 | 12,216 | 12,960 | 81 |
| Marshall | 539 | 553 | 584 | 5.6 | 13,156 | 13,669 | 14,666 | 20 | Lane | 35 | 46 | 28 | -39.1 | 14,057 | 18,535 | 11,661 | 101 |
| Mills | 171 | 181 | 185 | 2.2 | 12,687 | 13,519 | 13,864 | 40 | Leavenworth | 691 | 732 | 777 | 6.1 | 11,641 | 11,572 | 12,012 | 99 |
| Mitchell | 141 | 154 | 162 | 5.2 | 11,978 | 13,173 | 13,994 | 38 | Lincoln | 51 | 53 | 51 | -3.8 | 13,408 | 14,279 | 14,294 | 50 |
| Monona | 134 | 143 | 148 | 3.5 | 12,234 | 13,349 | 14,090 | 37 | Linn | 93 | 100 | 104 | 4.0 | 11,355 | 12,303 | 12,766 | 86 |
| Monroe | 96 | 99 | 107 | 8.1 | 10,940 | 11,558 | 12,676 | 83 | Logan | 48 | 45 | 47 | 4.4 | 14,637 | 13,607 | 14,380 | 49 |
| Montgomery | 165 | 173 | 180 | 4.0 | 12,681 | 13,833 | 14,670 | 19 | Lyon | 419 | 434 | 459 | 5.8 | 11,620 | 12,405 | 13,149 | 76 |
| Muscataine | 569 | 586 | 616 | 5.1 | 13,761 | 14,182 | 14,924 | 14 | McPherson | 379 | 395 | 405 | 2.5 | 13,677 | 14,421 | 14,810 | 43 |
| O'Brien | 208 | 223 | 233 | 4.5 | 12,668 | 13,908 | 14,660 | 21 | Marion | 158 | 166 | 168 | 1.2 | 11,897 | 12,791 | 13,135 | 77 |
| Osceola | 87 | 94 | 99 | 5.3 | 10,799 | 11,939 | 12,694 | 82 | Marshall | 158 | 168 | 173 | 3.0 | 12,498 | 13,500 | 13,956 | 57 |
| Page | 207 | 220 | 225 | 2.3 | 11,439 | 12,509 | 12,994 | 76 | Meade | 70 | 71 | 70 | -1.4 | 15,036 | 15,482 | 15,874 | 25 |
| Palo Alto | 155 | 159 | 163 | 2.5 | 12,800 | 13,744 | 14,440 | 27 | Miami | 280 | 296 | 307 | 3.7 | 12,395 | 13,010 | 13,267 | 74 |
| Plymouth | 282 | 300 | 328 | 9.3 | 11,753 | 12,520 | 13,576 | 54 | Mitchell | 91 | 99 | 108 | 9.1 | 11,639 | 12,966 | 14,420 | 47 |
| Pocahontas | 145 | 150 | 151 | .7 | 13,076 | 13,909 | 14,218 | 31 | Montgomery | 468 | 497 | 513 | 3.2 | 11,282 | 12,043 | 12,550 | 88 |
| Polk | 4,703 | 4,953 | 5,314 | 7.3 | 14,980 | 15,670 | 16,644 | 1 | Morris | 72 | 74 | 78 | 5.4 | 11,273 | 11,697 | 12,345 | 92 |
| Pottawattamie | 1,067 | 1,108 | 1,159 | 4.6 | 12,107 | 12,602 | 13,129 | 70 | Morton | 55 | 54 | 54 | 0 | 15,515 | 15,311 | 15,531 | 31 |
| Poweshiek | 236 | 257 | 281 | 9.3 | 12,469 | 13,792 | 15,077 | 11 | Nemaha | 132 | 144 | 147 | 2.1 | 11,950 | 13,099 | 13,610 | 67 |
| Ringgold | 60 | 66 | 73 | 10.6 | 10,394 | 11,891 | 13,379 | 62 | Nesho | 223 | 219 | 226 | 3.2 | 11,543 | 11,691 | 12,340 | 93 |
| Sac | 163 | 179 | 182 | 1.7 | 12,344 | 13,889 | 14,275 | 29 | Ness | 76 | 75 | 78 | 4.0 | 16,631 | 16,808 | 18,062 | 9 |
| Scott | 2,181 | 2,263 | 2,408 | 6.4 | 13,746 | 14,422 | 15,424 | 8 | Norton | 83 | 87 | 90 | 3.4 | 12,848 | 13,209 | 13,860 | 60 |
| Shelby | 177 | 183 | 193 | 5.5 | 11,932 | 12,676 | 13,415 | 61 | Osage | 181 | 192 | 202 | 5.2 | 11,594 | 12,220 | 12,736 | 87 |
| Stout | 323 | 336 | 356 | 6.0 | 10,493 | 11,112 | 11,823 | 95 | Osborne | 71 | 75 | 76 | 1.3 | 12,885 | 13,852 | 14,142 | 53 |
| Story | 879 | 916 | 968 | 5.7 | 12,043 | 12,696 | 13,486 | 60 | Ottawa | 72 | 80 | 84 | 5.0 | 10,446 | 13,503 | 14,381 | 48 |
| Tama | 231 | 240 | 253 | 5.4 | 12,045 | 12,742 | 13,706 | 48 | Paynee | 110 | 120 | 129 | 7.5 | 13,877 | 15,540 | 16,981 | 16 |
| Taylor | 89 | 91 | 96 | 5.5 | 11,105 | 11,678 | 12,660 | 84 | Phillips | 94 | 98 | 104 | 6.1 | 13,252 | 14,135 | 15,032 | 39 |
| Union | 154 | 163 | 172 | 5.5 | 11,620 | 12,388 | 13,159 | 69 | Pottawatomie | 189 | 195 | 206 | 5.6 | 12,001 | 12,354 | 12,975 | 80 |
| Van Buren | 83 | 88 | 94 | 6.8 | 9,971 | 10,606 | 11,399 | 97 | Pratt | 159 | 161 | 161 | 0 | 14,457 | 14,860 | 15,481 | 32 |
| Wapello | 434 | 431 | 452 | 4.9 | 11,153 | 11,330 | 12,119 | 91 | Rawlins | 56 | 54 | 57 | 5.6 | 14,455 | 14,177 | 15,613 | 29 |
| Warren | 432 | 451 | 482 | 6.9 | 12,079 | 12,550 | 13,376 | 63 | Reno | 845 | 864 | 880 | 1.9 | 12,973 | 13,181 | 13,529 | 70 |
| Washington | 261 | 273 | 287 | 5.1 | 13,013 | 13,686 | 14,586 | 23 | Republic | 93 | 97 | 104 | 7.2 | 12,923 | 13,767 | 14,857 | 41 |
| Wayne | 83 | 88 | 95 | 8.0 | 10,886 | 11,864 | 13,081 | 71 | Rice | 153 | 158 | 162 | 2.5 | 13,500 | 14,059 | 14,608 | 46 |
| Webster | 526 | 551 | 575 | 4.4 | 12,099 | 12,958 | 13,620 | 52 | Riley | 681 | 715 | 747 | 4.5 | 10,602 | 11,531 | 12,072 | 98 |
| Winnebago | 171 | 183 | 193 | 5.5 | 13,251 | 14,359 | 15,319 | 9 | Rooks | 84 | 86 | 89 | 3.5 | 12,233 | 12,732 | 13,959 | 56 |
| Winneshek | 220 | 243 | 256 | 5.3 | 9,914 | 11,105 | 11,800 | 96 | Rush | 59 | 58 | 60 | 3.4 | 13,672 | 13,931 | 15,340 | 36 |
| Woodbury | 1,237 | 1,288 | 1,397 | 8.5 | 12,418 | 13,102 | 14,298 | 28 | Russell | 135 | 129 | 133 | 3.1 | 15,153 | 15,124 | 16,125 | 22 |
| Worth | 108 | 114 | 120 | 5.3 | 12,001 | 13,000 | 13,860 | 41 | Saline | 690 | 737 | 779 | 5.7 | 13,785 | 14,803 | 15,464 | 33 |
| Wright | 223 | 228 | 233 | 2.2 | 14,209 | 15,008 | 15,713 | 5 | Scott | 84 | 90 | 99 | 10.0 | 14,456 | 15,818 | 17,604 | 10 |
| Kansas | 33,819 | 35,697 | 37,501 | 5.1 | 13,804 | 14,512 | 15,143 | ... | Sedgewick | 5,738 | 6,095 | 6,402 | 5.0 | 14,818 | 15,656 | 16,220 | 20 |
| Metropolitan portion | 18,822 | 20,141 | 21,355 | 6.0 | 14,952 | 15,730 | 16,339 | ... | Seward | 276 | 275 | 275 | 0 | 14,738 | 14,598 | 14,685 | 45 |
| Nonmetropolitan portion | 14,996 | 15,556 | 16,146 | 3.8 | 12,591 | 13,189 | 13,806 | ... | Shawnee | 2,358 | 2,476 | 2,613 | 5.5 | 14,761 | 15,404 | 16,090 | 23 |
| Allen | 174 | 176 | 187 | 6.3 | 10,947 | | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ² | | | | Area name | Total personal income | | | | Per capita personal income ² | | | | |
|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|------|
| | Millions of dollars | | | Percent change ³ | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | 1987 |
| Kentucky | 40,102 | 41,857 | 44,711 | 6.8 | 10,755 | 11,235 | 11,997 | | Monroe | 101 | 105 | 116 | 10.5 | 8,230 | 8,619 | 9,614 | 71 | |
| Metropolitan portion | 21,577 | 22,668 | 24,258 | 7.0 | 12,731 | 13,303 | 14,202 | | Montgomery | 189 | 194 | 206 | 6.2 | 9,216 | 9,456 | 10,153 | 61 | |
| Nonmetropolitan portion | 18,525 | 19,189 | 20,453 | 6.6 | 9,109 | 9,492 | 10,132 | | Morgan | 82 | 83 | 85 | 2.4 | 6,772 | 7,053 | 7,373 | 109 | |
| Adair | 132 | 138 | 148 | 7.2 | 8,268 | 8,768 | 9,382 | 76 | Muhlenberg | 317 | 323 | 336 | 4.0 | 9,922 | 10,267 | 10,967 | 41 | |
| Allen | 142 | 141 | 154 | 9.2 | 9,698 | 9,712 | 10,499 | 54 | Nelson | 291 | 312 | 336 | 7.7 | 9,911 | 10,680 | 11,407 | 34 | |
| Anderson | 150 | 160 | 172 | 7.5 | 11,105 | 11,705 | 12,340 | 20 | Nicholas | 64 | 67 | 73 | 9.0 | 8,898 | 9,211 | 9,910 | 66 | |
| Ballard | 89 | 93 | 94 | 1.1 | 10,750 | 11,326 | 11,408 | 33 | Ohio | 198 | 195 | 201 | 3.1 | 9,177 | 9,126 | 9,857 | 68 | |
| Barren | 324 | 341 | 366 | 7.3 | 9,450 | 9,832 | 10,636 | 50 | Oldham | 385 | 420 | 464 | 10.5 | 12,924 | 12,882 | 13,753 | 7 | |
| Bath | 77 | 78 | 84 | 7.7 | 7,591 | 7,703 | 8,286 | 94 | Owen | 75 | 76 | 81 | 6.6 | 8,017 | 8,149 | 8,627 | 89 | |
| Bell | 269 | 271 | 285 | 5.2 | 7,850 | 7,970 | 8,460 | 92 | Owsley | 33 | 35 | 37 | 5.7 | 5,978 | 6,181 | 6,609 | 115 | |
| Boone | 626 | 685 | 750 | 9.5 | 12,218 | 13,136 | 13,937 | 5 | Pendleton | 102 | 109 | 117 | 7.3 | 9,310 | 9,821 | 10,327 | 58 | |
| Bourbon | 234 | 228 | 246 | 7.9 | 12,116 | 11,684 | 12,733 | 16 | Perry | 327 | 341 | 354 | 3.8 | 9,412 | 9,200 | 10,255 | 59 | |
| Boyd | 613 | 636 | 670 | 5.3 | 11,429 | 11,951 | 12,686 | 18 | Pike | 766 | 777 | 798 | 2.7 | 9,229 | 9,532 | 9,868 | 67 | |
| Boyle | 275 | 289 | 310 | 7.3 | 10,853 | 11,243 | 12,019 | 28 | Powell | 87 | 89 | 95 | 6.7 | 7,300 | 7,507 | 7,988 | 96 | |
| Bracken | 62 | 65 | 69 | 6.2 | 8,145 | 8,531 | 9,035 | 82 | Pulaski | 441 | 462 | 498 | 7.8 | 9,061 | 9,822 | 10,502 | 53 | |
| Breathitt | 132 | 137 | 142 | 3.6 | 8,011 | 8,361 | 8,738 | 88 | Robertson | 16 | 16 | 16 | 0 | 7,141 | 7,055 | 7,299 | 110 | |
| Breckinridge | 151 | 156 | 173 | 10.9 | 8,917 | 9,167 | 10,081 | 62 | Rockcastle | 103 | 108 | 116 | 7.4 | 7,023 | 7,389 | 7,973 | 97 | |
| Bullitt | 437 | 472 | 514 | 8.9 | 9,560 | 10,206 | 10,901 | 44 | Rowan | 151 | 159 | 169 | 6.3 | 7,847 | 8,357 | 8,907 | 87 | |
| Butler | 84 | 87 | 94 | 8.0 | 7,438 | 7,929 | 8,625 | 90 | Russell | 113 | 120 | 134 | 11.7 | 7,549 | 8,156 | 8,988 | 83 | |
| Caldwell | 133 | 136 | 145 | 6.6 | 9,966 | 10,082 | 10,919 | 43 | Scott | 268 | 274 | 295 | 7.7 | 12,209 | 12,402 | 13,177 | 12 | |
| Calloway | 307 | 326 | 352 | 8.0 | 10,597 | 10,840 | 11,612 | 31 | Shelby | 278 | 294 | 318 | 8.2 | 11,586 | 12,262 | 13,080 | 13 | |
| Campbell | 961 | 1,029 | 1,097 | 6.6 | 11,754 | 12,639 | 13,433 | 11 | Simpson | 151 | 161 | 175 | 8.7 | 10,020 | 10,932 | 12,039 | 27 | |
| Carlisle | 53 | 53 | 58 | 9.4 | 10,441 | 10,458 | 11,387 | 35 | Spencer | 56 | 59 | 64 | 8.5 | 9,098 | 9,347 | 10,041 | 63 | |
| Carroll | 92 | 99 | 104 | 5.1 | 9,478 | 10,454 | 11,066 | 40 | Taylor | 204 | 213 | 232 | 8.9 | 9,250 | 9,802 | 10,662 | 49 | |
| Carter | 185 | 186 | 195 | 4.8 | 7,168 | 7,425 | 7,846 | 103 | Todd | 94 | 95 | 102 | 7.4 | 8,654 | 8,654 | 9,272 | 79 | |
| Casey | 99 | 105 | 116 | 10.5 | 6,575 | 7,136 | 7,844 | 104 | Trigg | 105 | 108 | 116 | 7.4 | 10,857 | 11,138 | 12,184 | 23 | |
| Christian | 622 | 640 | 679 | 6.1 | 9,700 | 10,054 | 10,846 | 45 | Trimble | 55 | 57 | 60 | 5.3 | 8,861 | 9,228 | 9,715 | 70 | |
| Clark | 346 | 354 | 370 | 4.5 | 11,923 | 12,165 | 12,731 | 17 | Union | 200 | 206 | 221 | 6.8 | 11,238 | 11,816 | 12,627 | 19 | |
| Clay | 165 | 170 | 177 | 4.1 | 6,969 | 7,186 | 7,468 | 107 | Warren | 818 | 849 | 908 | 6.9 | 9,973 | 10,520 | 11,114 | 37 | |
| Clinton | 61 | 64 | 68 | 6.3 | 6,219 | 6,535 | 7,035 | 113 | Washington | 98 | 101 | 109 | 7.9 | 9,530 | 9,692 | 10,328 | 57 | |
| Crittenden | 77 | 79 | 87 | 10.1 | 8,600 | 9,134 | 9,923 | 65 | Wayne | 116 | 122 | 133 | 9.0 | 6,585 | 6,920 | 7,533 | 106 | |
| Cumberland | 51 | 53 | 57 | 7.5 | 6,744 | 7,268 | 7,911 | 100 | Webster | 164 | 166 | 173 | 4.2 | 11,229 | 11,584 | 12,226 | 22 | |
| Davess | 1,044 | 1,071 | 1,126 | 5.1 | 11,898 | 12,149 | 12,775 | 15 | Whitley | 299 | 312 | 331 | 6.1 | 8,422 | 8,842 | 9,283 | 78 | |
| Edmonson | 61 | 61 | 65 | 6.6 | 5,416 | 5,877 | 6,407 | 117 | Wolf | 48 | 49 | 52 | 6.1 | 6,828 | 7,193 | 7,416 | 108 | |
| Elliott | 39 | 39 | 41 | 5.1 | 5,816 | 5,845 | 6,148 | 118 | Woodford | 360 | 364 | 395 | 8.5 | 19,219 | 19,104 | 20,299 | 1 | |
| Estill | 115 | 119 | 124 | 4.2 | 7,637 | 7,976 | 8,306 | 93 | Louisiana | 50,679 | 50,568 | 51,219 | 1.3 | 11,297 | 11,239 | 11,482 | | |
| Fayette | 3,015 | 3,194 | 3,445 | 7.9 | 14,214 | 14,495 | 15,551 | 2 | Metropolitan portion | 38,142 | 38,140 | 38,623 | 1.3 | 12,310 | 12,274 | 12,546 | | |
| Fleming | 427 | 441 | 462 | 4.8 | 8,402 | 8,958 | 9,412 | 75 | Nonmetropolitan portion | 12,537 | 12,428 | 12,596 | 1.4 | 9,036 | 8,929 | 9,113 | | |
| Floyd | 537 | 572 | 612 | 7.0 | 12,235 | 12,993 | 13,837 | 6 | Acadia | 539 | 518 | 505 | -2.5 | 9,054 | 8,659 | 8,533 | 48 | |
| Franklin | 95 | 96 | 100 | 4.2 | 11,708 | 11,926 | 12,786 | 14 | Allen | 164 | 167 | 170 | 1.8 | 7,643 | 7,710 | 7,863 | 58 | |
| Fulton | 46 | 49 | 52 | 6.1 | 9,369 | 9,930 | 10,635 | 51 | Ascension | 615 | 624 | 640 | 2.6 | 10,609 | 10,651 | 10,846 | 16 | |
| Gallatin | 112 | 115 | 122 | 6.1 | 9,676 | 9,983 | 10,630 | 52 | Assumption | 216 | 211 | 207 | -1.9 | 9,180 | 9,040 | 8,914 | 44 | |
| Garrard | 136 | 143 | 153 | 7.0 | 9,674 | 10,216 | 10,742 | 48 | Avoyelles | 339 | 324 | 328 | 1.2 | 7,830 | 7,461 | 7,593 | 61 | |
| Grant | 356 | 376 | 410 | 9.0 | 10,807 | 11,056 | 12,078 | 26 | Beauregard | 305 | 316 | 328 | 3.8 | 9,359 | 9,702 | 9,822 | 25 | |
| Grayson | 172 | 180 | 193 | 7.2 | 7,997 | 8,264 | 8,915 | 86 | Brenville | 157 | 161 | 164 | 1.9 | 9,364 | 9,532 | 9,704 | 29 | |
| Green | 95 | 96 | 102 | 6.3 | 8,744 | 8,751 | 9,480 | 74 | Brossier | 1,017 | 1,029 | 1,049 | 1.9 | 11,235 | 11,158 | 11,391 | 12 | |
| Gretnup | 400 | 415 | 439 | 5.8 | 10,458 | 11,083 | 11,758 | 30 | Caddo | 3,473 | 3,467 | 3,525 | 1.7 | 12,764 | 12,634 | 12,975 | 6 | |
| Hancock | 89 | 94 | 99 | 5.3 | 11,081 | 11,726 | 12,286 | 21 | Calcasieu | 1,924 | 1,961 | 2,031 | 3.6 | 11,042 | 11,339 | 11,819 | 10 | |
| Hardin | 884 | 923 | 1,012 | 9.6 | 9,975 | 9,942 | 10,833 | 46 | Caldwell | 94 | 92 | 96 | 4.3 | 8,294 | 7,970 | 8,288 | 53 | |
| Harlan | 337 | 348 | 377 | 3.3 | 7,967 | 8,213 | 8,621 | 91 | Cameron | 105 | 102 | 106 | 3.9 | 10,588 | 10,474 | 10,974 | 15 | |
| Harrison | 161 | 166 | 177 | 6.6 | 10,249 | 10,508 | 11,067 | 39 | Catahoula | 95 | 90 | 98 | 8.9 | 7,461 | 7,097 | 7,797 | 59 | |
| Hart | 122 | 124 | 135 | 8.9 | 7,461 | 8,240 | 9,053 | 81 | Claborn | 171 | 171 | 173 | 1.2 | 9,279 | 9,304 | 9,549 | 31 | |
| Henderson | 534 | 545 | 567 | 4.0 | 12,582 | 12,890 | 13,445 | 10 | Concordia | 221 | 202 | 207 | 2.5 | 9,305 | 8,511 | 8,997 | 40 | |
| Henry | 126 | 130 | 139 | 6.9 | 9,419 | 9,762 | 10,461 | 56 | De Soto | 263 | 266 | 271 | 1.9 | 9,543 | 9,578 | 9,732 | 27 | |
| Hickman | 55 | 58 | 61 | 5.2 | 8,613 | 10,448 | 11,228 | 36 | East Baton Rouge | 5,284 | 5,227 | 5,335 | 2.1 | 13,470 | 13,387 | 13,828 | 1 | |
| Hopkins | 582 | 598 | 633 | 5.9 | 12,459 | 12,880 | 13,752 | 8 | East Carroll | 90 | 84 | 102 | 21.4 | 7,987 | 7,409 | 9,147 | 38 | |
| Jackson | 74 | 78 | 82 | 5.1 | 9,921 | 10,279 | 10,593 | 116 | East Feliciana | 190 | 189 | 193 | 2.1 | 9,327 | 9,113 | 9,356 | 33 | |
| Jefferson | 9,300 | 9,763 | 10,447 | 7.0 | 13,604 | 14,359 | 15,385 | 3 | Evangelina | 301 | 297 | 301 | 1.3 | 8,553 | 8,428 | 8,531 | 49 | |
| Jessamine | 308 | 330 | 358 | 8.5 | 10,772 | 11,345 | 11,965 | 29 | Franklin | 163 | 163 | 184 | 12.9 | 6,700 | 6,661 | 7,507 | 62 | |
| Johnson | 228 | 229 | 237 | 3.5 | 8,875 | 9,053 | 9,557 | 72 | Grant | 137 | 142 | 148 | 4.2 | 7,582 | 7,760 | 7,891 | 57 | |
| Kenton | 1,661 | 1,767 | 1,887 | 6.8 | 12,127 | 12,754 | 13,569 | 9 | Iberia | 742 | 718 | 693 | -3.5 | 10,817 | 10,387 | 10,202 | 22 | |
| Knott | 126 | 134 | 142 | 6.0 | 6,868 | 7,349 | 7,885 | 102 | Iberville | 327 | 327 | 331 | 1.2 | 9,785 | 9,693 | 9,894 | 24 | |
| Knox | 214 | 225 | 239 | 6.2 | 7,079 | 7,495 | 7,988 | 95 | Jackson | 161 | 167 | 170 | 1.8 | 9,030 | 9,264 | 9,532 | 32 | |
| Larue | 116 | 119 | 130 | 9.2 | 9,290 | 10,152 | 11,097 | 39 | Jefferson | 6,369 | 6,416 | 6,496 | 1.2 | 13,311 | 13,413 | 13,692 | 2 | |
| Laurel | 372 | 397 | 424 | 6.8 | 8,909 | 9,263 | 9,787 | 69 | Jefferson Davis | 302 | 293 | 295 | 7 | Jefferson | 2 | 2 | 2 | |
| Lawrence | 111 | 109 | 113 | 3.7 | 7,547 | 7,491 | 7,940 | 99 | Lafayette | 2,482 | 2,328 | 2,244 | -3.6 | 1 | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------|-----------------------|-------|-------|-----------------------------|---|--------|--------|---------------|----------------|-----------------------|-------|-------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| St. Martin | 389 | 379 | 379 | 0 | 8,542 | 8,225 | 8,298 | 52 | Alpena | 335 | 354 | 372 | 5.1 | 10,851 | 11,445 | 11,972 | 43 |
| St. Mary | 679 | 630 | 604 | -4.1 | 10,503 | 9,829 | 9,818 | 26 | Antrim | 184 | 195 | 203 | 4.1 | 10,933 | 11,588 | 11,990 | 42 |
| St. Tammany | 1,845 | 1,929 | 1,985 | 2.9 | 13,100 | 13,118 | 13,250 | 4 | Arenac | 153 | 161 | 168 | 4.3 | 10,205 | 10,665 | 10,993 | 59 |
| Tangipahoa | 804 | 826 | 844 | 2.2 | 8,836 | 8,998 | 9,150 | 37 | Baraga | 77 | 81 | 86 | 6.2 | 9,399 | 9,916 | 10,518 | 68 |
| Tensas | 66 | 61 | 80 | 31.1 | 7,780 | 7,298 | 9,720 | 28 | Barry | 578 | 623 | 647 | 3.9 | 12,348 | 13,063 | 13,339 | 30 |
| Terrebonne | 1,114 | 1,047 | 1,033 | -1.3 | 10,964 | 10,380 | 10,453 | 20 | Bay | 1,443 | 1,493 | 1,566 | 4.9 | 12,542 | 13,022 | 13,632 | 24 |
| Union | 200 | 217 | 213 | -1.8 | 8,830 | 9,368 | 9,207 | 35 | Benzie | 121 | 125 | 134 | 7.2 | 10,820 | 11,146 | 11,744 | 47 |
| Vermilion | 527 | 509 | 494 | -2.9 | 9,914 | 9,529 | 9,300 | 34 | Berrien | 1,964 | 2,083 | 2,224 | 6.8 | 12,069 | 12,743 | 13,491 | 26 |
| Vernon | 494 | 506 | 527 | 4.2 | 8,203 | 8,417 | 8,800 | 45 | Branch | 431 | 461 | 487 | 5.6 | 11,088 | 11,692 | 12,239 | 36 |
| Washington | 410 | 419 | 427 | 1.9 | 8,618 | 8,783 | 8,961 | 42 | Calhoun | 1,646 | 1,728 | 1,845 | 6.8 | 12,093 | 12,654 | 13,409 | 29 |
| Webster | 474 | 475 | 480 | 1.1 | 10,360 | 10,323 | 10,538 | 19 | Cass | 567 | 604 | 651 | 7.8 | 11,734 | 12,565 | 13,460 | 27 |
| West Baton Rouge | 212 | 213 | 215 | .9 | 10,147 | 10,125 | 10,303 | 21 | Charlevoix | 217 | 232 | 248 | 6.9 | 10,997 | 11,463 | 12,074 | 39 |
| West Carroll | 97 | 91 | 104 | 14.3 | 7,383 | 6,925 | 8,068 | 55 | Cheboygan | 204 | 217 | 225 | 3.7 | 9,858 | 10,467 | 10,773 | 64 |
| West Feliciana | 109 | 105 | 105 | 0 | 8,033 | 7,605 | 7,769 | 60 | Chippewa | 272 | 282 | 295 | 4.6 | 9,348 | 9,696 | 10,068 | 73 |
| Winn | 134 | 137 | 140 | 2.2 | 7,815 | 7,950 | 8,130 | 54 | Clare | 224 | 238 | 249 | 4.6 | 9,041 | 9,453 | 9,742 | 75 |
| Clinton | 673 | 717 | 758 | 5.7 | 12,186 | 12,869 | 13,448 | 28 | Crawford | 92 | 95 | 101 | 6.3 | 9,154 | 9,342 | 9,652 | 76 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Dickinson | 326 | 342 | 358 | 4.7 | 12,428 | 13,044 | 13,681 | 23 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Eaton | 1,170 | 1,240 | 1,317 | 6.2 | 13,118 | 13,752 | 14,328 | 17 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Emmet | 293 | 314 | 334 | 6.4 | 12,392 | 13,184 | 13,889 | 22 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Genesee | 6,278 | 6,499 | 6,406 | -1.4 | 14,452 | 14,936 | 14,723 | 11 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Gladwin | 197 | 212 | 224 | 5.7 | 9,201 | 9,775 | 10,105 | 72 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Gogebic | 178 | 189 | 199 | 5.3 | 9,511 | 10,182 | 10,889 | 61 |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |
| Delta | 414 | 432 | 451 | 4.4 | 10,727 | 11,264 | 11,875 | 45 | Grand Traverse | 86 | 89 | 86 | 12.950 | 13,879 | 14,740 | 10 | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | | |
|-------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | 1987 |
| Beltrami | 321 | 331 | 352 | 6.3 | 9,731 | 10,141 | 10,687 | 78 | Mississippi | 24,174 | 25,422 | 27,038 | 6.4 | 9,247 | 9,686 | 10,302 | ..... |  |
| Benton | 287 | 314 | 332 | 5.7 | 10,784 | 11,548 | 12,002 | 64 | Metropolitan portion | 8,186 | 8,846 | 9,344 | 5.6 | 10,530 | 11,201 | 11,748 | ..... |  |
| Big Stone | 83 | 84 | 86 | 2.4 | 11,121 | 11,546 | 11,931 | 65 | Nonmetropolitan portion | 15,988 | 16,577 | 17,694 | 6.7 | 8,704 | 9,034 | 9,673 | ..... |  |
| Blue Earth | 619 | 644 | 687 | 6.7 | 12,069 | 12,660 | 13,614 | 37 | Adams | 399 | 391 | 396 | 1.3 | 10,123 | 10,163 | 10,533 | 14 | |
| Brown | 344 | 369 | 393 | 6.5 | 12,208 | 13,269 | 14,240 | 28 | Alcorn | 316 | 337 | 349 | 3.6 | 9,672 | 10,205 | 10,674 | 12 | |
| Carlton | 312 | 327 | 344 | 5.2 | 10,445 | 11,095 | 11,610 | 72 | Alme. | 96 | 99 | 103 | 4.0 | 7,254 | 7,383 | 7,658 | 76 | |
| Carver | 586 | 651 | 713 | 9.5 | 14,703 | 15,880 | 16,721 | 7 | Attala | 148 | 155 | 164 | 5.8 | 7,596 | 8,181 | 8,750 | 55 | |
| Cass | 203 | 213 | 221 | 3.8 | 9,362 | 9,847 | 10,316 | 82 | Benton | 63 | 66 | 73 | 10.6 | 7,329 | 7,791 | 8,576 | 63 | |
| Chippewa | 171 | 178 | 189 | 6.2 | 11,840 | 12,568 | 13,575 | 39 | Bolivar | 352 | 345 | 388 | 12.5 | 7,950 | 7,857 | 8,917 | 51 | |
| Chisago | 340 | 366 | 393 | 7.4 | 12,230 | 13,077 | 13,739 | 33 | Calhoun | 122 | 128 | 140 | 9.4 | 7,863 | 8,600 | 9,508 | 35 | |
| Clay | 558 | 593 | 621 | 4.7 | 11,528 | 12,434 | 13,004 | 52 | Carroll | 68 | 70 | 79 | 12.9 | 7,051 | 7,100 | 8,084 | 72 | |
| Clearwater | 74 | 79 | 79 | 0 | 8,258 | 8,961 | 9,168 | 87 | Chickasaw | 157 | 161 | 174 | 8.1 | 8,768 | 8,889 | 9,549 | 32 | |
| Cook | 47 | 50 | 52 | 4.0 | 11,592 | 12,133 | 12,891 | 55 | Choctaw | 68 | 71 | 76 | 7.0 | 7,648 | 8,062 | 8,531 | 66 | |
| Cottonwood | 231 | 189 | 201 | 6.3 | 16,293 | 13,597 | 14,745 | 14 | Claiborne | 88 | 90 | 92 | 2.2 | 7,298 | 7,503 | 7,666 | 75 | |
| Crow Wing | 480 | 509 | 537 | 5.5 | 10,960 | 11,449 | 11,823 | 70 | Clarke | 141 | 146 | 154 | 5.5 | 8,349 | 8,677 | 9,220 | 40 | |
| Dakota | 3,548 | 3,912 | 4,350 | 11.2 | 16,111 | 17,179 | 18,111 | 2 | Clay | 187 | 193 | 211 | 9.3 | 8,580 | 8,828 | 9,674 | 30 | |
| Dodge | 176 | 195 | 205 | 5.1 | 11,429 | 12,693 | 13,319 | 45 | Coahoma | 292 | 288 | 323 | 15.3 | 8,247 | 8,170 | 9,536 | 33 | |
| Douglas | 302 | 323 | 347 | 7.4 | 10,333 | 11,033 | 11,922 | 66 | Copiah | 223 | 235 | 243 | 3.4 | 8,396 | 8,764 | 8,998 | 49 | |
| Fairbault | 240 | 253 | 262 | 3.6 | 12,837 | 13,775 | 14,684 | 16 | Covington | 127 | 135 | 140 | 3.7 | 7,792 | 8,171 | 8,365 | 69 | |
| Fillmore | 236 | 265 | 288 | 8.7 | 10,904 | 12,370 | 13,550 | 41 | De Soto | 654 | 719 | 797 | 10.8 | 10,704 | 11,419 | 12,206 | 4 | |
| Freeborn | 416 | 445 | 472 | 6.1 | 11,915 | 12,881 | 13,800 | 32 | Forrest | 666 | 706 | 736 | 4.2 | 9,789 | 10,436 | 10,912 | 9 | |
| Goodhue | 495 | 541 | 572 | 5.7 | 12,563 | 13,692 | 14,457 | 24 | Franklin | 77 | 77 | 80 | 3.9 | 8,870 | 8,936 | 9,402 | 36 | |
| Grant | 89 | 94 | 98 | 4.3 | 13,073 | 14,071 | 14,913 | 12 | George | 122 | 136 | 143 | 5.1 | 7,535 | 8,401 | 8,726 | 56 | |
| Hennepin | 17,847 | 18,860 | 20,187 | 7.0 | 18,217 | 19,053 | 20,277 | 1 | Greene | 65 | 67 | 68 | 1.5 | 6,874 | 7,075 | 7,214 | 80 | |
| Houston | 201 | 222 | 234 | 5.4 | 10,633 | 11,683 | 12,374 | 62 | Grenada | 196 | 203 | 218 | 7.4 | 8,916 | 9,913 | 10,683 | 11 | |
| Hubbard | 139 | 149 | 155 | 4.0 | 9,479 | 9,984 | 10,323 | 81 | Hancock | 262 | 300 | 318 | 6.0 | 8,573 | 9,349 | 9,749 | 25 | |
| Isanti | 278 | 298 | 315 | 5.7 | 11,120 | 11,899 | 12,433 | 61 | Harrison | 1,675 | 1,853 | 1,930 | 4.2 | 9,824 | 10,663 | 11,148 | 7 | |
| Itasca | 438 | 452 | 466 | 3.1 | 10,230 | 10,668 | 11,066 | 75 | Hinds | 3,164 | 3,275 | 3,452 | 5.4 | 12,198 | 12,652 | 13,381 | 1 | |
| Jackson | 157 | 171 | 185 | 8.2 | 11,625 | 12,959 | 14,499 | 22 | Holmes | 145 | 151 | 173 | 14.6 | 6,288 | 6,659 | 7,718 | 74 | |
| Kanabec | 126 | 137 | 145 | 5.8 | 9,993 | 11,012 | 11,520 | 73 | Humphreys | 114 | 109 | 140 | 28.4 | 8,229 | 8,043 | 10,441 | 15 | |
| Kandiyohi | 431 | 473 | 501 | 5.9 | 11,346 | 12,409 | 13,004 | 53 | Issaquena | 15 | 14 | 19 | 35.7 | 6,456 | 6,451 | 8,443 | 68 | |
| Kittson | 92 | 95 | 91 | -4.2 | 14,517 | 15,135 | 14,651 | 17 | Itawamba | 164 | 177 | 188 | 6.2 | 7,944 | 8,545 | 9,096 | 47 | |
| Koochichung | 167 | 159 | 167 | 5.0 | 10,300 | 10,354 | 11,046 | 76 | Jackson | 1,132 | 1,278 | 1,313 | 2.7 | 8,922 | 9,957 | 10,231 | 19 | |
| Lac Qui Parle | 118 | 125 | 132 | 5.6 | 9,139 | 9,230 | 9,399 | 86 | Jasper | 136 | 140 | 143 | 2.1 | 7,791 | 8,215 | 8,540 | 64 | |
| Lake | 107 | 107 | 105 | -1.9 | 10,146 | 10,960 | 11,270 | 74 | Jefferson | 53 | 54 | 57 | 5.6 | 6,035 | 6,154 | 6,617 | 82 | |
| Lake of the Woods | 38 | 41 | 43 | 4.9 | 12,550 | 13,594 | 14,544 | 20 | Jefferson Davis | 100 | 102 | 106 | 3.9 | 6,995 | 6,998 | 7,327 | 78 | |
| Le Sueur | 296 | 318 | 338 | 6.3 | 12,550 | 13,594 | 14,544 | 20 | Jones | 629 | 649 | 659 | 1.5 | 10,013 | 10,381 | 10,619 | 13 | |
| Lincoln | 82 | 89 | 101 | 13.5 | 10,666 | 11,813 | 13,593 | 38 | Kemper | 71 | 74 | 78 | 5.4 | 7,033 | 6,807 | 7,205 | 81 | |
| Lyon | 310 | 331 | 352 | 6.3 | 12,274 | 13,353 | 14,271 | 27 | Lafayette | 256 | 276 | 298 | 8.0 | 8,313 | 8,936 | 9,685 | 29 | |
| McLeod | 395 | 422 | 456 | 8.1 | 12,798 | 13,443 | 14,375 | 26 | Lamar | 227 | 232 | 244 | 5.2 | 8,404 | 8,434 | 8,785 | 54 | |
| Mahnomen | 53 | 59 | 62 | 5.1 | 9,862 | 11,252 | 11,790 | 71 | Lauderdale | 882 | 920 | 964 | 4.8 | 11,325 | 11,970 | 12,570 | 2 | |
| Marshall | 154 | 163 | 157 | -3.7 | 12,509 | 13,417 | 13,106 | 51 | Lawrence | 114 | 105 | 111 | 5.7 | 8,813 | 8,264 | 8,698 | 58 | |
| Martin | 327 | 347 | 361 | 4.0 | 13,137 | 14,251 | 15,066 | 11 | Leake | 158 | 168 | 168 | 0 | 8,403 | 9,139 | 9,113 | 46 | |
| Meeker | 245 | 259 | 277 | 6.9 | 11,600 | 12,271 | 13,106 | 50 | Lee | 643 | 684 | 743 | 8.6 | 10,469 | 10,962 | 11,802 | 5 | |
| Millie Lacs | 202 | 219 | 231 | 5.5 | 10,677 | 11,535 | 12,076 | 63 | Leflore | 357 | 358 | 402 | 12.3 | 6,639 | 9,027 | 10,262 | 18 | |
| Morrison | 275 | 305 | 315 | 3.3 | 9,114 | 10,076 | 10,355 | 80 | Lincoln | 256 | 268 | 286 | 6.7 | 8,208 | 8,573 | 9,128 | 45 | |
| Mower | 488 | 518 | 556 | 7.3 | 12,286 | 13,305 | 14,521 | 21 | Lowndes | 596 | 626 | 660 | 5.4 | 9,898 | 10,390 | 11,036 | 8 | |
| Murray | 123 | 140 | 151 | 7.9 | 11,342 | 13,230 | 14,496 | 23 | Madison | 446 | 504 | 552 | 9.5 | 9,129 | 9,840 | 10,377 | 16 | |
| Nicollet | 305 | 330 | 354 | 7.3 | 11,084 | 11,963 | 12,652 | 57 | Marion | 211 | 217 | 223 | 2.8 | 7,871 | 8,180 | 8,465 | 67 | |
| Nobles | 253 | 276 | 301 | 9.1 | 12,016 | 13,355 | 14,748 | 13 | Marshall | 235 | 256 | 281 | 9.8 | 7,160 | 7,521 | 8,147 | 71 | |
| Norman | 120 | 126 | 125 | -8 | 13,838 | 14,697 | 14,707 | 15 | Monroe | 334 | 349 | 374 | 7.2 | 9,061 | 9,439 | 10,138 | 20 | |
| Olmsted | 1,545 | 1,642 | 1,754 | 6.8 | 15,858 | 16,808 | 17,849 | 3 | Montgomery | 99 | 103 | 110 | 6.8 | 7,653 | 8,138 | 8,802 | 53 | |
| Ouer Tail | 550 | 591 | 616 | 4.2 | 10,511 | 11,361 | 11,838 | 69 | Neshoba | 195 | 210 | 220 | 4.8 | 8,089 | 8,445 | 8,868 | 52 | |
| Pennington | 162 | 166 | 172 | 3.6 | 11,567 | 12,100 | 12,751 | 56 | Newton | 182 | 198 | 203 | 2.5 | 9,023 | 10,041 | 10,321 | 17 | |
| Pine | 186 | 197 | 209 | 6.1 | 8,819 | 9,535 | 10,086 | 83 | Noxubee | 85 | 87 | 93 | 6.9 | 6,587 | 6,766 | 7,307 | 79 | |
| Pipestone | 124 | 137 | 145 | 5.8 | 11,168 | 12,445 | 13,376 | 44 | Oktibbeha | 311 | 328 | 343 | 4.6 | 8,478 | 8,869 | 9,362 | 38 | |
| Polk | 428 | 455 | 458 | 7 | 12,760 | 13,684 | 13,805 | 31 | Panola | 221 | 234 | 262 | 12.0 | 7,582 | 7,848 | 8,720 | 57 | |
| Pope | 116 | 123 | 133 | 8.1 | 10,048 | 10,836 | 11,851 | 68 | Pearl River | 313 | 340 | 355 | 4.4 | 8,113 | 8,660 | 9,947 | 50 | |
| Ramsey | 7,491 | 7,861 | 8,373 | 6.5 | 15,886 | 16,537 | 17,630 | 4 | Perry | 86 | 89 | 92 | 3.4 | 8,461 | 8,742 | 9,031 | 48 | |
| Red Lake | 59 | 58 | 59 | 1.7 | 11,540 | 11,616 | 11,914 | 67 | Pike | 316 | 328 | 341 | 4.0 | 8,449 | 8,795 | 9,130 | 43 | |
| Redwood | 215 | 227 | 240 | 5.7 | 11,349 | 12,307 | 13,272 | 46 | Pontotoc | 193 | 201 | 224 | 11.4 | 8,803 | 8,980 | 9,942 | 22 | |
| Renville | 239 | 253 | 279 | 10.3 | 11,988 | 13,045 | 14,647 | 18 | Prentiss | 192 | 203 | 217 | 6.9 | 7,760 | 8,010 | 8,615 | 61 | |
| Rice | 561 | 605 | 647 | 6.9 | 11,910 | 12,747 | 13,556 | 40 | Quitman | 90 | 81 | 95 | 17.3 | 7,926 | 7,236 | 8,591 | 62 | |
| Rock | 116 | 130 | 143 | 10.0 | 10,959 | 12,501 | 13,952 | 29 | Rankin | 853 | 917 | 982 | 7.1 | 10,643 | 11,112 | 11,575 | 6 | |
| Roseau | 147 | 167 | 181 | 8.4 | 11,309 | 12,558 | 13,161 | 48 | Scott | 221 | 242 | 249 | 2.9 | 8,587 | 9,389 | 9,643 | 31 | |
| St. Louis | 2,340 | 2,411 | 2,531 | 5.0 | 11,401 | 11,936 | 12,650 | 58 | Sharkey | 61 | 53 | 70 | 32.1 | 7,933 | 7,129 | 9,728 | 26 | |
| Scott | 730 | 805 | 884 | 9.8 | 14,949 | 16,003 | 16,845 | 6 | Simpson | 199 | 211 | 212 | .5 | 8,197 | 8,669 | 8,648 | 60 | |
| Sherburne | 384 | 419 | 448 | 6.9 | 11,586 | 12,365 | 12,930 | 54 | Smith | 133 | 145 | 142 | -1 | 8,613 | 9,515 | 9,402 | 37 | |
| Sibley | 184 | 199 | 204 | 2.5 | 12,058 | 13,185 | 13,621 | 35 | Stone | 94 | 100 | 94 | 10.0 | 6,4 | 8,798 | 9,180 | 9,511 | 34 |
| Stearns | 1,245 | 1,346 | 1,432 | 6.4 | 11,042 | 11,845 | 12,446 | 60 | Sunflower | 299 | 288 | 333 | 15.6 | 8,192 | 7,863 | 9,175 | 42 | |
| Steele | 397 | 421 | 456 | 8.3 | 13,274 | 14,056 | 15,107 | 10 | Tallahatchie | 118 | 116 | 137 | 18.1 | 7,247 | 7,161 | 8,537 | 65 | |
| Stevens | 125 | 134 | 145 | 8.2 | 11,595 | 12,654 | 13,909 | 30 | Tate | 201 | 214 | 235 | 9.8 | 9,351 | 9,871 | 10,762 | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Missouri..... | 66,729 | 70,548 | 74,825 | 6.1 | 13,252 | 13,932 | 14,663 | ..... | Putnam..... | 52 | 54 | 59 | 9.3 | 9,355 | 9,956 | 10,828 | 81 |
| Metropolitan portion..... | 49,043 | 51,883 | 55,024 | 6.1 | 14,810 | 15,543 | 16,341 | ..... | Ralls..... | 100 | 101 | 107 | 5.9 | 11,156 | 11,399 | 12,037 | 51 |
| Nonmetropolitan portion..... | 17,685 | 18,665 | 19,801 | 6.1 | 10,260 | 10,816 | 11,408 | ..... | Randolph..... | 266 | 276 | 289 | 4.7 | 10,119 | 10,534 | 11,099 | 78 |
| Adair..... | 239 | 252 | 263 | 4.4 | 9,788 | 10,626 | 11,142 | 76 | Ray..... | 271 | 281 | 296 | 5.3 | 12,388 | 12,811 | 13,291 | 19 |
| Andrew..... | 164 | 174 | 183 | 5.2 | 11,064 | 11,784 | 12,235 | 47 | Reynolds..... | 51 | 52 | 55 | 5.8 | 7,253 | 7,711 | 8,414 | 110 |
| Atchison..... | 96 | 98 | 96 | -2.0 | 11,756 | 12,395 | 12,275 | 44 | Ripley..... | 91 | 94 | 98 | 4.3 | 7,067 | 7,320 | 7,600 | 114 |
| Audrain..... | 288 | 299 | 315 | 5.4 | 11,174 | 11,741 | 12,409 | 39 | St. Charles..... | 2,611 | 2,920 | 3,174 | 8.7 | 15,105 | 15,992 | 16,439 | 4 |
| Barry..... | 267 | 290 | 309 | 6.6 | 10,207 | 10,973 | 11,421 | 66 | St. Clair..... | 80 | 84 | 89 | 6.0 | 9,442 | 9,994 | 10,529 | 84 |
| Barton..... | 126 | 137 | 144 | 5.1 | 11,055 | 12,061 | 12,599 | 31 | St. Genevieve..... | 171 | 187 | 200 | 7.0 | 10,983 | 11,713 | 12,342 | 42 |
| Bates..... | 184 | 194 | 205 | 5.7 | 11,767 | 12,466 | 13,101 | 24 | St. Francois..... | 470 | 501 | 537 | 7.2 | 10,692 | 11,318 | 11,919 | 54 |
| Benton..... | 117 | 126 | 133 | 5.6 | 9,181 | 9,774 | 10,231 | 93 | St. Louis..... | 17,713 | 18,657 | 19,841 | 6.3 | 17,852 | 18,771 | 19,873 | 1 |
| Bollinger..... | 83 | 89 | 95 | 6.7 | 7,891 | 8,328 | 8,768 | 108 | Saline..... | 294 | 301 | 324 | 7.6 | 12,005 | 12,369 | 13,288 | 20 |
| Boone..... | 1,320 | 1,409 | 1,516 | 7.6 | 12,583 | 13,301 | 14,106 | 8 | Schuyler..... | 46 | 47 | 51 | 8.5 | 10,026 | 10,481 | 11,616 | 61 |
| Buchanan..... | 1,055 | 1,090 | 1,139 | 4.5 | 12,311 | 12,716 | 13,353 | 17 | Scotland..... | 56 | 59 | 62 | 5.1 | 10,888 | 11,375 | 12,365 | 41 |
| Butler..... | 363 | 380 | 401 | 5.5 | 9,395 | 9,889 | 10,361 | 89 | Scott..... | 410 | 434 | 463 | 6.7 | 10,178 | 10,819 | 11,436 | 64 |
| Caldwell..... | 101 | 103 | 107 | 3.9 | 12,339 | 12,725 | 13,238 | 21 | Shannon..... | 50 | 52 | 55 | 5.8 | 6,320 | 6,677 | 7,000 | 115 |
| Callaway..... | 368 | 393 | 416 | 5.9 | 11,501 | 12,348 | 12,929 | 25 | Shelby..... | 85 | 87 | 91 | 4.6 | 11,515 | 11,901 | 12,589 | 32 |
| Camden..... | 266 | 290 | 312 | 7.6 | 10,846 | 11,375 | 11,826 | 58 | Stoddard..... | 299 | 300 | 320 | 6.7 | 10,415 | 10,498 | 11,223 | 69 |
| Cape Girardeau..... | 725 | 777 | 833 | 7.2 | 11,982 | 12,756 | 13,577 | 14 | Stone..... | 191 | 207 | 220 | 6.3 | 10,905 | 11,422 | 11,848 | 57 |
| Carroll..... | 138 | 138 | 141 | 2.2 | 12,088 | 12,160 | 12,576 | 33 | Sullivan..... | 70 | 70 | 77 | 10.0 | 9,913 | 10,408 | 11,589 | 52 |
| Carter..... | 41 | 42 | 45 | 7.1 | 7,199 | 7,329 | 7,771 | 113 | Taney..... | 263 | 285 | 304 | 6.7 | 10,935 | 11,669 | 12,174 | 49 |
| Cass..... | 753 | 815 | 872 | 7.0 | 13,490 | 14,204 | 14,727 | 7 | Texas..... | 181 | 191 | 204 | 6.8 | 8,421 | 8,908 | 9,543 | 99 |
| Cedar..... | 112 | 119 | 126 | 5.9 | 9,193 | 9,702 | 10,303 | 90 | Vernon..... | 223 | 235 | 249 | 6.0 | 11,349 | 11,900 | 12,634 | 30 |
| Chariton..... | 110 | 115 | 124 | 7.8 | 10,891 | 11,598 | 12,637 | 29 | Warren..... | 228 | 246 | 267 | 8.5 | 13,053 | 13,472 | 14,088 | 9 |
| Christian..... | 286 | 320 | 349 | 9.1 | 11,129 | 11,796 | 12,135 | 50 | Washington..... | 165 | 174 | 179 | 2.9 | 8,814 | 9,180 | 9,333 | 102 |
| Clark..... | 83 | 81 | 87 | 7.4 | 10,156 | 10,151 | 10,798 | 82 | Wayne..... | 87 | 92 | 98 | 6.5 | 7,350 | 7,807 | 8,258 | 112 |
| Clay..... | 2,172 | 2,301 | 2,442 | 6.1 | 15,083 | 15,759 | 16,443 | 3 | Webster..... | 201 | 219 | 233 | 6.4 | 9,018 | 9,638 | 10,094 | 95 |
| Clinton..... | 196 | 208 | 219 | 5.3 | 12,092 | 12,726 | 13,354 | 16 | Worth..... | 29 | 30 | 32 | 6.7 | 10,492 | 10,970 | 11,943 | 52 |
| Cole..... | 745 | 805 | 854 | 6.1 | 12,109 | 12,692 | 13,309 | 18 | Wright..... | 135 | 142 | 151 | 6.3 | 8,134 | 8,584 | 9,012 | 106 |
| Cooper..... | 161 | 167 | 176 | 5.4 | 10,737 | 11,007 | 11,477 | 63 | St. Louis City..... | 5,798 | 6,029 | 6,300 | 4.5 | 13,528 | 14,104 | 14,921 | 6 |
| Cooper..... | 189 | 204 | 218 | 6.9 | 9,557 | 10,672 | 11,178 | 72 | Montana..... | 9,092 | 9,565 | 9,946 | 4.0 | 11,015 | 11,706 | 12,291 | ..... |
| Crawford..... | 72 | 78 | 83 | 6.4 | 9,666 | 10,641 | 11,217 | 70 | Metropolitan portion..... | 2,536 | 2,588 | 2,667 | 3.1 | 12,601 | 13,040 | 13,596 | ..... |
| Dade..... | 108 | 117 | 124 | 6.0 | 8,586 | 9,231 | 9,561 | 98 | Nonmetropolitan portion..... | 6,556 | 6,978 | 7,279 | 4.3 | 10,503 | 11,277 | 11,873 | ..... |
| Davies..... | 82 | 84 | 86 | 2.4 | 9,678 | 9,885 | 10,292 | 91 | Beaverhead..... | 79 | 90 | 97 | 7.8 | 9,380 | 10,629 | 11,554 | 39 |
| De Kalb..... | 86 | 89 | 94 | 5.6 | 10,697 | 11,212 | 11,817 | 59 | Big Horn..... | 104 | 111 | 115 | 3.6 | 8,929 | 9,894 | 10,440 | 45 |
| Dent..... | 136 | 143 | 155 | 8.4 | 9,450 | 10,009 | 10,936 | 80 | Blaine..... | 52 | 68 | 69 | 1.5 | 7,340 | 9,621 | 10,070 | 50 |
| Douglas..... | 89 | 96 | 102 | 6.3 | 7,189 | 7,875 | 8,319 | 111 | Broadwater..... | 29 | 35 | 36 | 2.9 | 8,178 | 9,750 | 9,919 | 52 |
| Dunklin..... | 294 | 302 | 328 | 8.6 | 8,362 | 8,733 | 9,565 | 97 | Carbon..... | 82 | 89 | 93 | 4.5 | 9,603 | 10,459 | 11,171 | 42 |
| Franklin..... | 957 | 1,027 | 1,099 | 7.0 | 12,455 | 13,143 | 13,800 | 13 | Carter..... | 13 | 18 | 20 | 11.1 | 7,539 | 10,315 | 11,915 | 34 |
| Gasconade..... | 165 | 179 | 189 | 5.6 | 12,312 | 13,350 | 13,937 | 32 | Cascade..... | 994 | 1,031 | 1,071 | 3.9 | 12,308 | 13,133 | 13,724 | 7 |
| Gentry..... | 84 | 85 | 90 | 5.9 | 10,939 | 11,686 | 12,330 | 35 | Chouteau..... | 61 | 82 | 79 | -3.7 | 10,039 | 13,989 | 13,607 | 9 |
| Greene..... | 2,463 | 2,645 | 2,801 | 5.9 | 15,295 | 15,379 | 13,987 | 10 | Custer..... | 154 | 157 | 165 | 5.1 | 11,510 | 11,959 | 13,006 | 17 |
| Grundy..... | 120 | 124 | 134 | 8.1 | 10,645 | 11,245 | 12,208 | 48 | Damels..... | 27 | 37 | 38 | 2.7 | 9,879 | 14,249 | 15,046 | 3 |
| Harrison..... | 101 | 101 | 108 | 6.9 | 10,574 | 10,941 | 11,936 | 53 | Dawson..... | 128 | 126 | 127 | 8 | 10,896 | 11,527 | 12,061 | 31 |
| Henry..... | 224 | 230 | 235 | 2.2 | 11,271 | 11,588 | 11,851 | 56 | Deer Lodge..... | 101 | 103 | 106 | 2.9 | 9,144 | 10,167 | 10,658 | 44 |
| Hickory..... | 55 | 59 | 63 | 6.8 | 7,872 | 8,380 | 8,754 | 109 | Fallon..... | 42 | 43 | 45 | 4.7 | 11,270 | 11,962 | 12,902 | 20 |
| Holt..... | 77 | 77 | 78 | 1.3 | 11,692 | 11,840 | 12,236 | 46 | Fergus..... | 124 | 142 | 149 | 4.9 | 9,618 | 11,339 | 12,178 | 26 |
| Howard..... | 103 | 108 | 114 | 5.6 | 10,636 | 11,065 | 11,660 | 60 | Flathead..... | 661 | 673 | 706 | 4.9 | 11,533 | 11,541 | 12,123 | 29 |
| Howell..... | 271 | 288 | 311 | 8.0 | 9,042 | 9,571 | 10,263 | 92 | Gallatin..... | 523 | 547 | 565 | 3.5 | 10,949 | 11,150 | 11,623 | 35 |
| Iron..... | 100 | 105 | 105 | 0 | 9,110 | 9,654 | 9,500 | 100 | Garfield..... | 14 | 21 | 24 | 14.3 | 8,410 | 12,659 | 14,869 | 4 |
| Jackson..... | 9,141 | 9,573 | 10,057 | 5.1 | 14,398 | 15,035 | 15,763 | 5 | Glacier..... | 110 | 122 | 130 | 6.6 | 9,715 | 10,951 | 11,562 | 38 |
| Jasper..... | 1,003 | 1,057 | 1,117 | 5.7 | 11,205 | 11,770 | 12,394 | 40 | Golden Valley..... | 10 | 13 | 14 | 7.7 | 8,660 | 11,506 | 12,404 | 23 |
| Jefferson..... | 1,924 | 2,074 | 2,228 | 7.4 | 12,011 | 12,732 | 13,377 | 15 | Granite..... | 26 | 28 | 31 | 10.7 | 9,548 | 10,355 | 11,581 | 36 |
| Johnson..... | 381 | 410 | 435 | 6.1 | 10,084 | 10,878 | 11,414 | 67 | Hill..... | 193 | 221 | 220 | -5 | 10,588 | 12,439 | 12,379 | 24 |
| Knox..... | 50 | 51 | 51 | 0 | 10,001 | 10,382 | 10,484 | 86 | Jefferson..... | 94 | 102 | 109 | 6.9 | 11,700 | 12,583 | 13,110 | 16 |
| Laclede..... | 255 | 275 | 296 | 7.6 | 9,726 | 10,434 | 11,042 | 79 | Judith Basin..... | 22 | 28 | 29 | 3.6 | 8,172 | 10,812 | 11,578 | 37 |
| Lafayette..... | 382 | 406 | 428 | 5.4 | 12,609 | 13,329 | 13,981 | 11 | Lake..... | 190 | 202 | 212 | 5.0 | 9,160 | 9,662 | 10,096 | 49 |
| Lawrence..... | 309 | 328 | 346 | 5.5 | 10,322 | 10,857 | 11,358 | 68 | Lewis and Clark..... | 587 | 600 | 630 | 5.0 | 12,353 | 12,890 | 13,449 | 13 |
| Lewis..... | 112 | 109 | 116 | 6.4 | 10,474 | 10,275 | 11,175 | 73 | Liberty..... | 26 | 37 | 38 | 2.7 | 10,335 | 15,964 | 16,570 | 1 |
| Lincoln..... | 301 | 332 | 355 | 6.9 | 12,075 | 12,709 | 13,156 | 23 | Lincoln..... | 168 | 176 | 179 | 1.7 | 8,951 | 9,262 | 9,429 | 55 |
| Linn..... | 163 | 167 | 179 | 7.2 | 10,971 | 11,475 | 12,492 | 36 | McCone..... | 23 | 32 | 33 | 3.1 | 8,869 | 12,558 | 13,273 | 14 |
| Livingson..... | 172 | 179 | 192 | 7.3 | 11,436 | 11,841 | 12,807 | 26 | Madison..... | 56 | 61 | 62 | 1.6 | 9,626 | 10,719 | 11,978 | 43 |
| McDonald..... | 140 | 157 | 164 | 4.5 | 9,027 | 9,928 | 10,148 | 94 | Meagher..... | 17 | 24 | 24 | 0 | 8,064 | 11,397 | 11,327 | 40 |
| Macon..... | 183 | 191 | 200 | 4.7 | 11,124 | 11,567 | 12,278 | 43 | Mineral..... | 34 | 33 | 34 | 3.0 | 9,168 | 9,124 | 9,582 | 54 |
| Madison..... | 106 | 112 | 119 | 6.3 | 9,583 | 9,935 | 10,499 | 85 | Missou | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ² | | | | Area name | Total personal income | | | | Per capita personal income ² | | | |
|---------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ¹ | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ¹ | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Wibaux | 12 | 14 | 16 | 14.3 | 8,634 | 10,852 | 12,031 | 33 | Stanton | 71 | 79 | 87 | 10.1 | 10,896 | 12,253 | 13,272 | 63 |
| Yellowstone | 1,542 | 1,557 | 1,596 | 2.5 | 12,798 | 12,980 | 13,512 | 11 | Thayer | 100 | 99 | 101 | 2.0 | 13,607 | 13,728 | 14,446 | 29 |
| Park (incl. Ylwnst. Natl. Park) | 155 | 152 | 150 | -1.3 | 11,436 | 11,674 | 12,157 | 27 | Thomas | 10 | 10 | 11 | 10.0 | 10,000 | 10,473 | 11,799 | 85 |
| Nebraska | 20,808 | 21,637 | 22,796 | 5.4 | 12,965 | 13,543 | 14,297 | | Thurston | 58 | 60 | 65 | 8.3 | 8,089 | 8,475 | 9,388 | 93 |
| Metropolitan portion | 10,252 | 10,689 | 11,294 | 5.7 | 13,750 | 14,291 | 15,001 | | Valley | 73 | 74 | 81 | 9.5 | 12,231 | 12,638 | 14,218 | 38 |
| Nonmetropolitan portion | 10,556 | 10,948 | 11,502 | 5.1 | 12,284 | 12,884 | 13,667 | | Washington | 212 | 217 | 225 | 3.7 | 13,462 | 13,787 | 14,245 | 36 |
| Adams | 405 | 409 | 432 | 5.6 | 12,938 | 13,243 | 14,206 | 40 | Wayne | 96 | 102 | 112 | 9.8 | 9,849 | 10,483 | 11,506 | 89 |
| Antelope | 102 | 103 | 110 | 6.8 | 11,806 | 12,162 | 13,061 | 69 | Webster | 61 | 62 | 65 | 4.8 | 13,198 | 13,618 | 14,439 | 30 |
| Arthur | 5 | 6 | 8 | 33.3 | 9,820 | 10,624 | 16,812 | 9 | Wheeler | 24 | 25 | 30 | 20.0 | 22,228 | 24,627 | 29,473 | 1 |
| Banner | 11 | 18 | 18 | 0 | 10,123 | 10,016 | 18,581 | 5 | York | 207 | 200 | 207 | 3.5 | 13,801 | 13,480 | 14,131 | 43 |
| Blaine | 6 | 8 | 9 | 12.5 | 8,500 | 10,795 | 13,336 | 61 | Nevada | 13,801 | 14,959 | 16,515 | 10.4 | 14,737 | 15,463 | 16,396 | |
| Boone | 83 | 85 | 95 | 11.8 | 11,415 | 11,902 | 13,578 | 53 | Metropolitan portion | 11,499 | 12,501 | 13,794 | 10.3 | 14,924 | 15,676 | 16,579 | |
| Box Butte | 193 | 213 | 207 | -2.8 | 13,190 | 14,675 | 14,509 | 26 | Nonmetropolitan portion | 2,302 | 2,458 | 2,721 | 10.7 | 13,867 | 14,462 | 15,526 | |
| Boyd | 31 | 34 | 37 | 8.8 | 9,598 | 10,656 | 11,852 | 84 | Churchill | 181 | 197 | 223 | 13.2 | 12,276 | 12,830 | 13,969 | 12 |
| Brown | 48 | 49 | 56 | 14.3 | 11,254 | 11,862 | 14,172 | 42 | Clark | 7,843 | 8,610 | 9,564 | 11.1 | 14,242 | 15,078 | 15,944 | 8 |
| Buffalo | 413 | 421 | 449 | 6.7 | 11,048 | 11,480 | 12,247 | 81 | Douglas | 407 | 427 | 469 | 9.8 | 18,213 | 18,328 | 19,461 | 1 |
| Burt | 112 | 118 | 124 | 5.1 | 13,026 | 13,932 | 14,846 | 24 | Elko | 281 | 303 | 340 | 12.2 | 13,260 | 13,377 | 14,434 | 9 |
| Butler | 118 | 122 | 129 | 5.7 | 12,827 | 13,439 | 14,383 | 31 | Esmeralda | 18 | 19 | 20 | 5.3 | 13,296 | 14,748 | 17,012 | 5 |
| Cass | 260 | 278 | 287 | 3.2 | 12,104 | 12,633 | 12,928 | 75 | Eureka | 17 | 18 | 22 | 22.2 | 13,871 | 14,511 | 16,727 | 6 |
| Cedar | 105 | 112 | 121 | 8.0 | 9,430 | 10,261 | 11,268 | 91 | Humboldt | 121 | 123 | 147 | 19.5 | 11,637 | 11,925 | 13,808 | 13 |
| Chase | 67 | 65 | 70 | 7.7 | 14,104 | 13,916 | 15,093 | 22 | Lander | 56 | 58 | 74 | 27.6 | 13,128 | 13,490 | 17,136 | 4 |
| Cherry | 70 | 75 | 84 | 12.0 | 10,116 | 10,936 | 12,461 | 78 | Lincoln | 44 | 46 | 48 | 4.3 | 12,641 | 13,432 | 13,973 | 11 |
| Cheyenne | 141 | 162 | 160 | -1.2 | 13,892 | 16,039 | 15,841 | 17 | Lyon | 203 | 217 | 238 | 9.7 | 12,273 | 12,717 | 13,523 | 14 |
| Clay | 121 | 122 | 126 | 3.3 | 15,516 | 15,892 | 16,586 | 10 | Mineral | 75 | 77 | 82 | 6.5 | 12,208 | 12,350 | 13,425 | 15 |
| Colfax | 114 | 117 | 121 | 3.4 | 11,869 | 12,313 | 13,048 | 70 | Nye | 168 | 182 | 192 | 5.5 | 11,458 | 12,601 | 12,780 | 17 |
| Cuming | 125 | 139 | 151 | 8.6 | 11,067 | 12,494 | 13,741 | 51 | Pershing | 37 | 46 | 55 | 19.6 | 10,090 | 12,417 | 13,258 | 16 |
| Custer | 164 | 164 | 180 | 9.8 | 12,066 | 12,418 | 13,826 | 48 | Storey | 27 | 29 | 32 | 10.3 | 14,909 | 15,437 | 16,297 | 7 |
| Dakota | 195 | 197 | 201 | 2.0 | 11,208 | 11,404 | 11,792 | 86 | Washoe | 3,656 | 3,891 | 4,229 | 8.7 | 16,633 | 17,185 | 18,221 | 2 |
| Dawes | 101 | 110 | 115 | 4.5 | 10,799 | 11,766 | 12,385 | 79 | White Pine | 93 | 100 | 106 | 6.0 | 11,838 | 13,182 | 14,047 | 10 |
| Dawson | 265 | 253 | 269 | 6.3 | 12,059 | 11,918 | 13,047 | 71 | Carson City | 574 | 617 | 671 | 8.8 | 15,804 | 16,565 | 17,565 | 3 |
| Deuel | 35 | 38 | 38 | 0 | 14,722 | 16,190 | 15,903 | 15 | New Hampshire | 15,340 | 17,047 | 18,916 | 11.0 | 15,357 | 16,592 | 17,895 | |
| Dixon | 65 | 71 | 80 | 12.7 | 9,465 | 10,482 | 11,963 | 83 | Metropolitan portion | 9,946 | 11,049 | 12,253 | 10.9 | 16,277 | 17,524 | 18,897 | |
| Dodge | 443 | 453 | 471 | 4.0 | 12,521 | 12,854 | 13,405 | 58 | Nonmetropolitan portion | 5,394 | 5,997 | 6,663 | 11.1 | 13,907 | 15,112 | 16,306 | |
| Douglas | 6,005 | 6,247 | 6,578 | 5.3 | 14,560 | 15,112 | 15,832 | 18 | Belknap | 681 | 769 | 853 | 10.9 | 14,950 | 16,377 | 17,487 | 4 |
| Dundy | 50 | 49 | 52 | 6.1 | 17,403 | 17,397 | 18,979 | 4 | Carroll | 461 | 529 | 598 | 13.0 | 15,095 | 16,771 | 18,176 | 3 |
| Fillmore | 127 | 128 | 131 | 2.3 | 16,681 | 17,199 | 17,739 | 7 | Cheshire | 876 | 956 | 1,055 | 10.4 | 13,381 | 14,271 | 15,497 | 7 |
| Franklin | 53 | 55 | 56 | 1.8 | 12,560 | 13,735 | 14,469 | 27 | Coos | 412 | 439 | 479 | 9.1 | 12,154 | 12,825 | 13,951 | 10 |
| Frontier | 47 | 47 | 49 | 4.3 | 12,181 | 13,350 | 14,315 | 34 | Grant | 910 | 1,012 | 1,132 | 11.9 | 13,294 | 14,514 | 15,773 | 6 |
| Furnas | 82 | 87 | 90 | 3.4 | 12,933 | 13,991 | 15,227 | 21 | Hillsborough | 5,184 | 5,737 | 6,352 | 10.7 | 16,914 | 18,245 | 19,684 | 1 |
| Gage | 286 | 307 | 315 | 2.6 | 12,060 | 13,082 | 13,565 | 54 | Merrimack | 1,570 | 1,766 | 1,969 | 11.5 | 14,740 | 16,157 | 17,271 | 5 |
| Garden | 43 | 48 | 51 | 6.3 | 15,325 | 17,384 | 19,122 | 3 | Rockingham | 3,567 | 3,985 | 4,429 | 11.1 | 16,767 | 17,967 | 19,391 | 2 |
| Garfield | 21 | 22 | 24 | 9.1 | 9,384 | 9,993 | 11,558 | 88 | Strafford | 1,196 | 1,328 | 1,472 | 10.8 | 13,017 | 14,078 | 15,130 | 8 |
| Gosper | 33 | 33 | 35 | 6.1 | 14,950 | 15,246 | 16,436 | 12 | Sullivan | 484 | 526 | 575 | 9.3 | 12,925 | 13,811 | 14,882 | 9 |
| Grant | 9 | 10 | 11 | 10.0 | 9,874 | 11,609 | 13,290 | 62 | New Jersey | 133,333 | 143,517 | 155,909 | 8.6 | 17,634 | 18,822 | 20,321 | |
| Greely | 36 | 40 | 45 | 12.5 | 10,890 | 12,181 | 14,205 | 41 | Metropolitan portion | 133,333 | 143,517 | 155,909 | 8.6 | 17,634 | 18,822 | 20,321 | |
| Hall | 610 | 624 | 655 | 5.0 | 12,329 | 12,754 | 13,432 | 57 | Atlantic | 3,703 | 3,979 | 4,331 | 8.8 | 18,207 | 19,274 | 20,766 | 8 |
| Hamilton | 128 | 128 | 131 | 2.3 | 13,821 | 14,077 | 14,518 | 25 | Bergen | 18,686 | 19,875 | 21,463 | 8.0 | 22,249 | 23,745 | 25,845 | 2 |
| Harlan | 49 | 53 | 56 | 5.7 | 11,652 | 13,090 | 14,073 | 44 | Burlington | 6,067 | 6,559 | 7,162 | 9.2 | 15,973 | 17,143 | 18,458 | 17 |
| Hayes | 24 | 22 | 22 | 0 | 18,296 | 16,726 | 16,857 | 8 | Camden | 7,166 | 7,661 | 8,308 | 8.4 | 14,708 | 15,527 | 16,739 | 15 |
| Hitchcock | 53 | 55 | 55 | 0 | 13,268 | 13,941 | 14,383 | 32 | Cape May | 1,477 | 1,618 | 1,768 | 9.3 | 16,361 | 17,546 | 18,781 | 11 |
| Holt | 170 | 171 | 185 | 8.2 | 12,284 | 12,730 | 13,807 | 49 | Cumberland | 1,631 | 1,757 | 1,896 | 7.9 | 12,098 | 12,826 | 13,780 | 21 |
| Hooker | 9 | 10 | 11 | 10.0 | 9,150 | 10,365 | 11,314 | 90 | Essex | 13,540 | 14,430 | 15,637 | 8.4 | 16,044 | 17,080 | 18,515 | 13 |
| Howard | 74 | 72 | 78 | 8.3 | 11,163 | 11,093 | 12,123 | 82 | Gloucester | 2,863 | 3,089 | 3,367 | 9.0 | 13,740 | 14,664 | 15,805 | 18 |
| Jefferson | 127 | 129 | 134 | 3.9 | 13,283 | 13,713 | 14,451 | 28 | Hudson | 7,499 | 7,923 | 8,493 | 7.2 | 13,462 | 14,320 | 15,521 | 19 |
| Johnson | 59 | 61 | 63 | 3.3 | 11,780 | 12,336 | 12,873 | 76 | Hunterdon | 2,043 | 2,299 | 2,513 | 9.3 | 21,829 | 23,831 | 25,409 | 4 |
| Kearney | 102 | 101 | 106 | 5.0 | 15,086 | 15,035 | 15,887 | 16 | Mercer | 5,707 | 6,160 | 6,724 | 9.2 | 17,985 | 19,103 | 20,554 | 9 |
| Keith | 127 | 127 | 128 | -0.8 | 13,968 | 14,113 | 14,224 | 37 | Middlesex | 11,559 | 12,430 | 13,449 | 8.2 | 18,441 | 19,521 | 20,828 | 7 |
| Keya Paha | 11 | 14 | 17 | 21.4 | 9,000 | 11,595 | 14,264 | 35 | Monmouth | 10,106 | 11,056 | 12,182 | 10.2 | 19,001 | 20,376 | 22,004 | 5 |
| Kimball | 73 | 80 | 81 | 1.3 | 14,965 | 16,919 | 18,018 | 92 | Morris | 9,072 | 9,806 | 10,685 | 9.0 | 21,718 | 23,427 | 25,474 | 3 |
| Knox | 95 | 107 | 119 | 11.2 | 8,580 | 9,793 | 11,103 | 30 | Ocean | 6,132 | 6,786 | 7,442 | 9.7 | 16,104 | 17,254 | 18,467 | 14 |
| Lancaster | 2,673 | 2,798 | 2,986 | 6.7 | 13,020 | 13,571 | 14,373 | 33 | Passaic | 7,176 | 7,699 | 8,355 | 8.5 | 15,612 | 16,634 | 18,016 | 16 |
| Lincoln | 426 | 438 | 458 | 4.6 | 12,504 | 12,933 | 13,764 | 50 | Salem | 877 | 923 | 963 | 4.3 | 13,399 | 14,103 | 14,728 | 20 |
| Logan | 12 | 13 | 15 | 15.4 | 12,377 | 13,741 | 15,522 | 20 | Somerset | 4,991 | 5,520 | 6,052 | 9.6 | 23,684 | 25,638 | 27,306 | 1 |
| Loup | 6 | 8 | 10 | 25.0 | 6,844 | 9,996 | 11,699 | 87 | Sussex | 2,052 | 2,262 | 2,483 | 9.8 | 16,956 | 18,432 | 19,974 | 10 |
| McPherson | 5 | 7 | 9 | 28.6 | 9,287 | 11,685 | 15,961 | 14 | Union | 9,622 | 10,194 | 11,016 | 8.1 | 19,023 | 20,194 | 21,924 | 6 |
| Madison | 386 | 400 | 420 | 5.0 | 11,975 | 12,387 | 13,016 | 72 | Warren | 1,364 | 1,493 | 1,622 | 8.6 | 15,946 | 17,245 | 18,595 | 12 |
| Merrick | 104 | 103 | 110 | 6.8 | 12,001 | 11,958 | 12,962 | 73 | New Mexico | 16,238 | 16,927 | 17,797 | 5.1 | 11,188 | 11,444 | 11,861 | |
| Morrill | 68 | 83 | 83 | 0 | 11,512 | 14,229 | 14,206 | 39 | Metropolitan portion | 8,744 | 9,325 | 9,903 | 6.2 | 12,733 | 13,177 | 13,638 | |
| Nance | 55 | 57 | 61 | 7.0 | 11,886 | 12,544 | 13,558 | 55 | Nonmetropolitan portion | 7,494 | 7,602 | 7,893 | 3.8 | 9,801 | 9,855 | 10,195 | |
| Nemaha | 102 | 111 | 113 | 1.8 | 11,869 | 13,162 | 13,370 | 59 | Bernalillo | 6,168 | 6,555 | 6,955 | 6.1 | 13,261 | 13,783 | 14,305 | 2 |
| Nuckolls | 82 | 86 | 86 | | | | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | Percent change ² | Per capita personal income ³ | | | Rank in State | Area name | Total personal income | | | Percent change ² | Per capita personal income ³ | | | Rank in State |
|-------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | | Dollars | | | | | Millions of dollars | | | | Dollars | | | |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Lea | 778 | 700 | 681 | -2.7 | 11,880 | 10,968 | 11,253 | 11 | North Carolina | 72,987 | 78,717 | 85,415 | 8.5 | 11,658 | 12,436 | 13,322 | ..... |
| Lincoln | 142 | 146 | 151 | 3.4 | 10,265 | 10,645 | 11,144 | 12 | Metropolitan portion | 44,880 | 48,496 | 52,729 | 8.7 | 13,058 | 13,904 | 14,879 | ..... |
| Los Alamos | 364 | 388 | 408 | 5.2 | 19,822 | 20,310 | 21,232 | 1 | Nonmetropolitan portion | 28,107 | 30,221 | 32,687 | 8.2 | 9,953 | 10,634 | 11,397 | ..... |
| Luna | 144 | 156 | 165 | 5.8 | 8,195 | 8,765 | 9,097 | 25 | Alamance | 1,289 | 1,409 | 1,533 | 8.8 | 12,592 | 13,642 | 14,615 | 11 |
| McKinley | 440 | 453 | 477 | 5.3 | 6,950 | 7,133 | 7,473 | 32 | Alexander | 283 | 311 | 338 | 8.7 | 10,600 | 11,610 | 12,469 | 31 |
| Mora | 29 | 30 | 32 | 6.7 | 6,302 | 6,565 | 7,187 | 33 | Alleghany | 85 | 89 | 97 | 9.0 | 8,763 | 9,202 | 9,951 | 81 |
| Otero | 520 | 539 | 565 | 4.8 | 10,539 | 10,578 | 10,813 | 17 | Anson | 219 | 250 | 265 | 6.0 | 8,318 | 9,512 | 10,112 | 74 |
| Quay | 113 | 115 | 125 | 8.7 | 9,692 | 9,850 | 10,778 | 19 | Ashe | 201 | 217 | 234 | 7.8 | 8,600 | 9,336 | 10,040 | 76 |
| Rio Arriba | 240 | 252 | 263 | 4.4 | 7,407 | 7,863 | 8,033 | 30 | Avery | 129 | 138 | 150 | 8.7 | 8,562 | 9,212 | 9,886 | 82 |
| Roosevelt | 168 | 167 | 177 | 6.0 | 10,189 | 9,957 | 10,419 | 21 | Beaufort | 420 | 447 | 483 | 8.1 | 9,696 | 10,463 | 11,289 | 52 |
| Sandoval | 488 | 547 | 605 | 10.6 | 11,163 | 10,627 | 10,824 | 16 | Bertie | 195 | 217 | 226 | 4.1 | 9,128 | 10,198 | 10,680 | 60 |
| San Juan | 890 | 893 | 881 | -1.3 | 9,765 | 9,676 | 9,808 | 22 | Bladen | 249 | 266 | 293 | 10.2 | 8,077 | 8,615 | 9,529 | 88 |
| San Miguel | 187 | 194 | 203 | 4.6 | 7,513 | 7,705 | 8,020 | 31 | Brunswick | 415 | 460 | 498 | 8.3 | 9,107 | 9,633 | 10,031 | 77 |
| Santa Fe | 1,140 | 1,223 | 1,306 | 6.8 | 13,439 | 13,777 | 14,213 | 3 | Buncombe | 2,011 | 2,134 | 2,297 | 7.6 | 11,939 | 12,554 | 13,395 | 18 |
| Sierra | 91 | 99 | 106 | 7.1 | 9,533 | 10,384 | 10,782 | 18 | Burke | 787 | 854 | 929 | 8.8 | 10,398 | 11,246 | 12,185 | 36 |
| Socorro | 113 | 119 | 127 | 6.7 | 8,320 | 8,550 | 9,002 | 26 | Cabarrus | 1,099 | 1,176 | 1,280 | 8.8 | 11,911 | 12,685 | 13,659 | 16 |
| Taos | 193 | 186 | 187 | 5 | 8,824 | 8,413 | 8,564 | 28 | Caldwell | 722 | 778 | 845 | 8.6 | 10,262 | 11,087 | 11,970 | 39 |
| Torrance | 76 | 82 | 89 | 8.5 | 8,860 | 8,813 | 9,257 | 24 | Camden | 58 | 63 | 68 | 7.9 | 9,990 | 10,714 | 11,354 | 40 |
| Union | 56 | 61 | 64 | 4.9 | 11,109 | 12,111 | 13,075 | 5 | Carteret | 518 | 559 | 601 | 7.5 | 10,615 | 11,269 | 11,900 | 49 |
| Valencia | 370 | 399 | 437 | 9.5 | 10,308 | 10,723 | 10,977 | 14 | Caswell | 158 | 173 | 187 | 8.1 | 7,033 | 7,681 | 8,344 | 97 |
| New York | 280,266 | 298,959 | 321,169 | 7.4 | 15,793 | 16,800 | 18,017 | ..... | Catawba | 1,387 | 1,510 | 1,655 | 9.6 | 12,306 | 13,232 | 14,292 | 13 |
| Metropolitan portion | 261,405 | 278,754 | 299,540 | 7.5 | 16,274 | 17,301 | 18,571 | ..... | Chatham | 423 | 473 | 502 | 6.1 | 11,950 | 13,143 | 13,833 | 15 |
| Nonmetropolitan portion | 18,861 | 20,205 | 21,629 | 7.0 | 11,201 | 12,003 | 12,756 | ..... | Cherokee | 167 | 183 | 202 | 10.4 | 8,285 | 8,999 | 9,659 | 85 |
| Albany | 4,382 | 4,691 | 5,065 | 8.0 | 15,449 | 16,528 | 17,871 | 10 | Chowan | 128 | 143 | 153 | 7.0 | 9,744 | 10,707 | 11,317 | 50 |
| Allegany | 457 | 482 | 515 | 6.8 | 9,029 | 9,640 | 10,308 | 62 | Clay | 58 | 63 | 64 | 1.6 | 8,310 | 8,803 | 8,833 | 95 |
| Bronx | 13,544 | 14,398 | 15,470 | 7.4 | 11,376 | 11,915 | 12,746 | 41 | Cleveland | 1,071 | 1,102 | 1,071 | 10.2 | 10,439 | 11,246 | 12,411 | 32 |
| Broome | 2,899 | 3,037 | 3,221 | 6.1 | 13,698 | 14,447 | 15,413 | 18 | Columbus | 442 | 469 | 502 | 7.0 | 8,471 | 8,969 | 9,500 | 89 |
| Cattaraugus | 850 | 895 | 949 | 6.0 | 9,944 | 10,558 | 11,212 | 59 | Craven | 839 | 901 | 965 | 7.1 | 10,573 | 11,238 | 12,037 | 38 |
| Cayuga | 884 | 943 | 997 | 5.7 | 11,133 | 11,838 | 12,464 | 46 | Cumberland | 2,665 | 2,797 | 2,972 | 6.3 | 10,431 | 10,878 | 11,494 | 48 |
| Chautauque | 1,669 | 1,743 | 1,830 | 5.0 | 11,614 | 12,218 | 12,925 | 39 | Currituck | 127 | 143 | 155 | 8.4 | 8,931 | 10,695 | 11,286 | 53 |
| Chemung | 1,088 | 1,152 | 1,234 | 7.1 | 11,908 | 12,762 | 13,653 | 31 | Dare | 184 | 226 | 257 | 13.7 | 10,660 | 12,063 | 12,857 | 25 |
| Chenango | 551 | 601 | 640 | 6.5 | 11,096 | 11,999 | 12,652 | 44 | Davidson | 1,319 | 1,415 | 1,541 | 8.9 | 11,125 | 11,733 | 12,490 | 30 |
| Clinton | 848 | 904 | 972 | 7.5 | 10,445 | 11,120 | 11,902 | 49 | Davie | 334 | 383 | 413 | 7.8 | 12,052 | 14,174 | 15,083 | 8 |
| Columbia | 846 | 920 | 986 | 7.2 | 14,029 | 15,183 | 16,152 | 14 | Duplin | 324 | 373 | 402 | 7.8 | 7,769 | 8,963 | 9,658 | 86 |
| Cortland | 480 | 523 | 562 | 7.5 | 10,153 | 10,988 | 11,705 | 54 | Durham | 2,271 | 2,469 | 2,679 | 8.5 | 14,042 | 14,894 | 15,845 | 6 |
| Delaware | 463 | 499 | 535 | 7.2 | 9,910 | 10,703 | 11,382 | 58 | Edgecombe | 549 | 584 | 624 | 6.8 | 9,383 | 9,903 | 10,558 | 64 |
| Dutchess | 4,084 | 4,361 | 4,693 | 7.6 | 16,062 | 17,045 | 18,158 | 8 | Forsyth | 3,891 | 4,147 | 4,508 | 8.7 | 15,029 | 15,905 | 17,028 | 3 |
| Erie | 13,224 | 13,903 | 14,709 | 5.8 | 13,659 | 14,471 | 15,349 | 19 | Franklin | 307 | 332 | 363 | 9.3 | 9,370 | 9,998 | 10,322 | 70 |
| Essex | 397 | 425 | 454 | 6.8 | 10,944 | 11,620 | 12,399 | 47 | Gaston | 1,938 | 2,103 | 2,289 | 8.8 | 11,269 | 12,247 | 13,259 | 19 |
| Franklin | 431 | 460 | 498 | 8.3 | 9,886 | 10,653 | 11,492 | 56 | Gates | 90 | 98 | 105 | 7.1 | 9,547 | 10,306 | 10,813 | 58 |
| Fulton | 620 | 661 | 707 | 7.0 | 11,338 | 12,246 | 13,109 | 38 | Graham | 54 | 61 | 65 | 6.5 | 6,758 | 8,450 | 9,097 | 94 |
| Genesee | 742 | 789 | 829 | 5.1 | 12,672 | 13,496 | 14,151 | 25 | Granville | 359 | 390 | 426 | 9.2 | 9,792 | 10,354 | 11,132 | 56 |
| Greene | 496 | 534 | 572 | 7.1 | 11,825 | 12,676 | 13,535 | 33 | Greene | 131 | 139 | 152 | 9.4 | 7,915 | 8,390 | 9,239 | 92 |
| Hamilton | 59 | 64 | 69 | 7.8 | 11,978 | 13,065 | 14,005 | 27 | Guilford | 4,796 | 5,137 | 5,568 | 8.4 | 14,668 | 15,581 | 16,694 | 4 |
| Herkimer | 714 | 747 | 788 | 5.5 | 10,676 | 11,171 | 11,780 | 52 | Halifax | 508 | 542 | 578 | 6.6 | 9,081 | 9,669 | 10,204 | 72 |
| Jefferson | 974 | 1,081 | 1,267 | 17.2 | 10,979 | 11,952 | 13,338 | 34 | Harnett | 551 | 578 | 625 | 8.1 | 8,736 | 9,035 | 9,616 | 87 |
| Kings | 28,162 | 29,749 | 31,856 | 7.1 | 12,292 | 12,881 | 13,793 | 30 | Haywood | 513 | 542 | 578 | 6.6 | 10,714 | 11,170 | 12,047 | 37 |
| Lewis | 239 | 255 | 270 | 5.9 | 9,531 | 10,186 | 10,541 | 60 | Henderson | 848 | 900 | 1,005 | 11.7 | 12,794 | 13,389 | 14,792 | 10 |
| Livingston | 712 | 759 | 800 | 5.4 | 12,306 | 12,985 | 13,569 | 32 | Hertford | 216 | 229 | 239 | 4.4 | 9,004 | 9,517 | 9,994 | 78 |
| Madison | 763 | 810 | 860 | 6.2 | 11,539 | 12,232 | 12,914 | 40 | Hoke | 152 | 174 | 195 | 12.1 | 6,772 | 7,515 | 8,128 | 98 |
| Monroe | 11,039 | 12,039 | 12,620 | 4.8 | 16,343 | 17,192 | 18,042 | 9 | Hyde | 45 | 49 | 53 | 8.2 | 7,546 | 8,225 | 9,100 | 93 |
| Montgomery | 599 | 638 | 682 | 6.9 | 11,484 | 12,336 | 13,198 | 36 | Iredell | 1,065 | 1,163 | 1,266 | 8.9 | 12,185 | 13,160 | 14,089 | 14 |
| Nassau | 28,245 | 30,009 | 32,378 | 7.9 | 21,328 | 22,719 | 24,597 | 3 | Jackson | 242 | 257 | 276 | 7.4 | 8,957 | 9,653 | 10,289 | 71 |
| New York | 38,669 | 41,723 | 45,172 | 8.3 | 26,169 | 27,994 | 30,214 | 1 | Johnston | 787 | 849 | 923 | 8.7 | 10,238 | 10,859 | 11,646 | 44 |
| Niagara | 2,809 | 2,923 | 3,100 | 6.1 | 12,956 | 13,534 | 14,337 | 23 | Jones | 81 | 85 | 93 | 9.4 | 8,250 | 8,621 | 9,440 | 90 |
| Oneida | 3,088 | 3,252 | 3,439 | 5.8 | 12,372 | 13,157 | 13,924 | 28 | Lee | 476 | 508 | 541 | 6.5 | 11,723 | 12,273 | 13,068 | 22 |
| Onondaga | 6,643 | 6,980 | 7,403 | 6.1 | 14,310 | 15,130 | 16,089 | 15 | Lenoir | 610 | 651 | 696 | 6.9 | 10,081 | 10,813 | 11,529 | 47 |
| Ontario | 1,216 | 1,304 | 1,378 | 5.7 | 13,317 | 14,203 | 14,827 | 20 | Lincoln | 504 | 556 | 614 | 10.4 | 11,029 | 12,013 | 12,948 | 23 |
| Orange | 3,982 | 4,406 | 4,805 | 9.1 | 14,428 | 15,649 | 16,692 | 12 | McDowell | 325 | 350 | 376 | 7.4 | 8,941 | 9,657 | 10,360 | 69 |
| Orleans | 459 | 490 | 519 | 5.9 | 11,876 | 12,575 | 13,145 | 37 | Macon | 233 | 250 | 269 | 7.6 | 10,070 | 10,840 | 11,603 | 46 |
| Oswego | 1,358 | 1,430 | 1,476 | 3.2 | 11,450 | 11,977 | 12,272 | 48 | Madison | 141 | 150 | 161 | 7.3 | 8,193 | 8,653 | 9,261 | 91 |
| Osage | 653 | 699 | 756 | 8.2 | 11,099 | 11,876 | 12,709 | 42 | Marion | 260 | 278 | 299 | 7.6 | 9,728 | 10,422 | 11,169 | 55 |
| Putnam | 1,458 | 1,598 | 1,747 | 9.3 | 18,109 | 19,700 | 21,287 | 4 | Mecklenburg | 6,810 | 7,400 | 8,208 | 10.9 | 15,363 | 16,336 | 17,613 | 2 |
| Queens | 29,577 | 31,164 | 33,393 | 7.2 | 15,318 | 16,143 | 17,386 | 11 | Mitchell | 134 | 140 | 151 | 7.9 | 9,179 | 9,654 | 10,379 | 68 |
| Rensselaer | 1,907 | 2,055 | 2,208 | 7.4 | 12,625 | 13,631 | 14,583 | 21 | Montgomery | 215 | 238 | 253 | 6.3 | 9,035 | 9,961 | 10,433 | 67 |
| Richmond | 6,100 | 6,629 | 7,210 | 8.8 | 16,455 | 17,722 | 19,093 | 7 | Moore | 737 | 794 | 863 | 8.7 | 13,424 | 14,158 | 14,998 | 9 |
| Rockland | 4,867 | 5,217 | 5,644 | 8.2 | 18,400 | 19,612 | 21,261 | 5 | Nash | 844 | 894 | 958 | 7.2 | 11,915 | 12,556 | 13,253 | 20 |
| St. Lawrence | 1,074 | 1,129 | 1,175 | 4.1 | 9,523 | 10,122 | 10,513 | 61 | New Hanover | 1,338 | 1,475 | 1,568 | 6.3 | 11,919 | 12,874 | 13,484 | 17 |
| Saratoga | 2,154 | 2,370 | 2,595 | 9.5 | 13,415 | 14,456 | 15,443 | 17 | Northampton | 212 | 224 | 235 | 4.9 | 9,454 | 9,972 | 10,583 | 63 |
| Schenectady | 2,243 | 2,374 | 2,494 | 5.1 | 14,984 | 15,821 | 16,671 | 13 | Onslow | 1,193 | 1,263 | 1,343 | 6.3 | 9, | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|-------------------------|-----------------------|-------|-------|-----------------------------|---|--------|--------|---------------|------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Stokes | 367 | 388 | 423 | 9.0 | 10,357 | 10,887 | 11,681 | 42 | Clermont | 1,621 | 1,761 | 1,916 | 8.8 | 11,709 | 12,519 | 13,272 | 40 |
| Surry | 663 | 713 | 768 | 7.7 | 10,880 | 11,585 | 12,374 | 33 | Clinton | 409 | 430 | 462 | 7.4 | 11,804 | 12,340 | 13,035 | 44 |
| Swain | 81 | 83 | 87 | 4.8 | 7,546 | 7,791 | 8,127 | 99 | Columbiana | 1,070 | 1,107 | 1,149 | 3.8 | 9,635 | 10,214 | 10,593 | 75 |
| Transylvania | 287 | 295 | 319 | 8.1 | 11,202 | 11,421 | 12,260 | 34 | Coshocott | 391 | 397 | 425 | 7.1 | 10,907 | 11,102 | 11,838 | 61 |
| Tyrrell | 29 | 30 | 34 | 13.3 | 6,971 | 7,307 | 8,101 | 100 | Crawford | 539 | 552 | 580 | 5.1 | 10,965 | 11,334 | 11,893 | 60 |
| Union | 989 | 1,092 | 1,181 | 8.2 | 12,645 | 13,688 | 14,427 | 12 | Cuyahoga | 22,673 | 23,502 | 24,744 | 5.3 | 15,594 | 16,175 | 17,143 | 1 |
| Vance | 358 | 383 | 413 | 7.8 | 9,340 | 9,881 | 10,553 | 65 | Darke | 641 | 676 | 709 | 4.9 | 11,873 | 12,609 | 13,185 | 42 |
| Wake | 5,554 | 6,096 | 6,638 | 8.9 | 15,680 | 16,654 | 17,709 | 1 | Defiance | 465 | 486 | 512 | 5.3 | 11,894 | 12,420 | 12,985 | 45 |
| Warren | 140 | 150 | 162 | 8.0 | 8,498 | 9,118 | 9,764 | 84 | Delaware | 800 | 879 | 949 | 8.0 | 13,921 | 14,935 | 15,796 | 7 |
| Washington | 125 | 137 | 149 | 8.8 | 8,595 | 9,430 | 10,142 | 73 | Eric | 1,005 | 1,047 | 1,108 | 5.8 | 12,981 | 13,580 | 14,369 | 18 |
| Waruga | 304 | 335 | 364 | 8.7 | 8,882 | 9,716 | 10,515 | 66 | Fairfield | 1,219 | 1,287 | 1,382 | 7.4 | 12,658 | 13,145 | 13,900 | 27 |
| Wayne | 1,009 | 1,075 | 1,146 | 6.6 | 10,215 | 11,054 | 11,677 | 43 | Fayette | 291 | 304 | 322 | 5.9 | 10,608 | 11,086 | 11,654 | 63 |
| Wilkes | 618 | 670 | 716 | 6.9 | 10,156 | 11,054 | 11,703 | 41 | Franklin | 12,855 | 13,700 | 14,725 | 7.5 | 14,317 | 15,047 | 15,978 | 5 |
| Wilson | 748 | 786 | 844 | 7.4 | 11,613 | 12,160 | 12,928 | 24 | Fulton | 486 | 517 | 547 | 5.8 | 12,640 | 13,637 | 14,317 | 19 |
| Yadkin | 316 | 336 | 365 | 8.6 | 10,759 | 11,353 | 12,190 | 35 | Galta | 305 | 313 | 330 | 5.4 | 10,134 | 10,454 | 10,880 | 74 |
| Yancey | 125 | 145 | 159 | 9.7 | 7,977 | 9,178 | 9,975 | 80 | Geauga | 1,164 | 1,231 | 1,312 | 6.6 | 15,569 | 16,117 | 17,043 | 2 |
| North Dakota | 8,182 | 8,427 | 8,709 | 3.3 | 11,946 | 12,420 | 12,961 | ..... | Greene | 1,742 | 1,858 | 1,969 | 6.0 | 13,445 | 14,237 | 14,911 | 13 |
| Metropolitan portion | 3,121 | 3,286 | 3,470 | 5.6 | 12,414 | 12,916 | 13,603 | ..... | Guernsey | 415 | 423 | 444 | 5.0 | 10,144 | 10,621 | 11,178 | 69 |
| Nonmetropolitan portion | 5,061 | 5,141 | 5,240 | 1.9 | 11,675 | 12,122 | 12,568 | ..... | Hamilton | 12,973 | 13,688 | 14,602 | 6.7 | 14,992 | 15,680 | 16,710 | 3 |
| Adams | 41 | 44 | 47 | 6.8 | 11,317 | 12,561 | 13,420 | 17 | Hancock | 969 | 1,015 | 1,075 | 5.9 | 14,696 | 15,533 | 16,402 | 4 |
| Barnes | 155 | 162 | 171 | 5.6 | 11,614 | 12,163 | 12,809 | 23 | Hardin | 325 | 339 | 353 | 4.1 | 10,238 | 10,757 | 11,085 | 70 |
| Benson | 81 | 75 | 76 | 1.3 | 10,372 | 9,902 | 10,063 | 49 | Harrison | 152 | 158 | 163 | 3.2 | 9,113 | 9,665 | 10,405 | 79 |
| Billing | 14 | 16 | 15 | -6.3 | 11,030 | 12,575 | 12,305 | 31 | Henry | 361 | 377 | 396 | 5.0 | 12,707 | 13,346 | 13,945 | 25 |
| Botineau | 125 | 118 | 113 | -4.2 | 13,407 | 13,367 | 12,982 | 20 | Highland | 350 | 364 | 390 | 7.1 | 10,181 | 10,526 | 11,073 | 71 |
| Bowman | 50 | 52 | 52 | 0 | 11,494 | 12,182 | 12,537 | 28 | Hocking | 236 | 248 | 266 | 7.3 | 9,587 | 10,048 | 10,587 | 76 |
| Burke | 43 | 48 | 44 | -8.3 | 11,664 | 13,547 | 12,506 | 29 | Holmes | 250 | 261 | 277 | 6.1 | 8,156 | 8,579 | 9,113 | 86 |
| Burleigh | 789 | 818 | 858 | 4.9 | 13,180 | 13,528 | 14,185 | 9 | Huron | 680 | 718 | 755 | 5.2 | 12,414 | 12,964 | 13,539 | 34 |
| Cass | 1,274 | 1,345 | 1,430 | 6.3 | 13,219 | 13,725 | 14,457 | 7 | Jackson | 279 | 283 | 297 | 4.9 | 9,194 | 9,407 | 9,786 | 81 |
| Cavalier | 105 | 93 | 102 | 9.7 | 14,987 | 13,833 | 15,630 | 3 | Jefferson | 932 | 970 | 1,010 | 4.1 | 10,742 | 11,593 | 12,215 | 54 |
| Dickey | 82 | 84 | 88 | 4.8 | 11,690 | 12,129 | 12,894 | 21 | Knox | 536 | 551 | 581 | 5.4 | 11,273 | 11,707 | 12,204 | 55 |
| Divide | 40 | 53 | 51 | -3.8 | 11,963 | 16,161 | 16,202 | 1 | Lake | 3,097 | 3,216 | 3,410 | 6.0 | 14,571 | 15,077 | 15,952 | 6 |
| Dunn | 41 | 42 | 44 | 4.8 | 8,305 | 8,794 | 9,616 | 51 | Lawrence | 555 | 571 | 603 | 5.6 | 8,875 | 9,147 | 9,666 | 82 |
| Eddy | 40 | 42 | 44 | 4.8 | 12,448 | 12,754 | 13,626 | 15 | Licking | 1,567 | 1,652 | 1,723 | 4.3 | 12,576 | 13,260 | 13,742 | 30 |
| Emmons | 51 | 57 | 61 | 7.0 | 8,977 | 10,006 | 10,819 | 45 | Logan | 450 | 479 | 507 | 5.8 | 11,279 | 11,995 | 12,508 | 50 |
| Foster | 54 | 54 | 53 | -1.9 | 11,841 | 12,389 | 12,420 | 30 | Loran | 3,275 | 3,404 | 3,595 | 5.6 | 12,116 | 12,701 | 13,391 | 37 |
| Golden Valley | 30 | 32 | 34 | 6.3 | 11,830 | 13,230 | 13,879 | 13 | Lucas | 6,450 | 6,725 | 7,055 | 4.9 | 13,942 | 14,516 | 15,241 | 12 |
| Grand Forks | 791 | 840 | 886 | 5.5 | 11,412 | 12,033 | 12,690 | 27 | Madison | 386 | 406 | 433 | 6.7 | 11,100 | 11,559 | 12,169 | 56 |
| Grant | 38 | 41 | 43 | 4.9 | 8,848 | 9,782 | 10,433 | 47 | Mahoning | 3,356 | 3,452 | 3,614 | 4.7 | 12,035 | 12,584 | 13,238 | 41 |
| Griggs | 45 | 41 | 44 | 7.3 | 12,472 | 11,359 | 12,099 | 34 | Marion | 702 | 720 | 754 | 4.7 | 10,628 | 11,071 | 11,572 | 65 |
| Hettinger | 49 | 53 | 50 | -5.7 | 12,156 | 13,670 | 13,060 | 19 | Medina | 1,596 | 1,704 | 1,819 | 6.7 | 13,768 | 14,729 | 15,515 | 11 |
| Kidder | 28 | 33 | 36 | 9.1 | 7,401 | 8,839 | 9,566 | 52 | Meigs | 214 | 218 | 229 | 5.0 | 9,885 | 9,174 | 9,617 | 84 |
| La Moure | 61 | 61 | 67 | 9.8 | 9,925 | 10,011 | 11,727 | 38 | Mercer | 484 | 517 | 550 | 6.4 | 12,458 | 13,429 | 14,160 | 21 |
| Logan | 30 | 32 | 32 | 0 | 9,010 | 10,014 | 10,273 | 48 | Miami | 1,172 | 1,235 | 1,300 | 5.3 | 13,151 | 13,771 | 14,399 | 17 |
| McHenry | 84 | 80 | 77 | -3.8 | 10,975 | 10,719 | 10,606 | 46 | Monroe | 177 | 173 | 179 | 3.5 | 10,762 | 10,929 | 11,537 | 66 |
| McIntosh | 47 | 52 | 56 | 7.7 | 10,331 | 11,786 | 12,714 | 26 | Montgomery | 8,000 | 8,410 | 8,845 | 5.2 | 14,157 | 14,831 | 15,542 | 10 |
| McKenzie | 90 | 90 | 91 | 1.1 | 10,432 | 10,775 | 11,192 | 43 | Morgan | 147 | 150 | 160 | 6.7 | 10,351 | 10,613 | 11,276 | 67 |
| McLean | 153 | 154 | 144 | -6.5 | 12,253 | 12,601 | 12,443 | 35 | Morrow | 277 | 287 | 307 | 7.0 | 10,254 | 10,620 | 11,216 | 68 |
| Mercer | 164 | 148 | 148 | 0 | 11,304 | 10,675 | 11,088 | 44 | Muskingum | 934 | 961 | 1,024 | 6.6 | 11,089 | 11,546 | 12,267 | 52 |
| Morton | 267 | 283 | 295 | 4.2 | 10,325 | 10,824 | 11,437 | 40 | Noble | 110 | 111 | 118 | 6.3 | 9,563 | 9,837 | 10,408 | 78 |
| Mountrail | 84 | 100 | 88 | -12.0 | 10,434 | 12,742 | 11,385 | 41 | Ottawa | 556 | 594 | 623 | 4.9 | 13,967 | 14,937 | 15,687 | 8 |
| Nelson | 71 | 66 | 68 | 3.0 | 14,054 | 13,700 | 14,341 | 8 | Paulding | 234 | 248 | 266 | 7.3 | 11,255 | 11,929 | 12,651 | 48 |
| Oliver | 28 | 29 | 30 | 3.4 | 10,280 | 10,635 | 11,745 | 37 | Perry | 297 | 306 | 318 | 3.9 | 9,391 | 9,666 | 9,954 | 80 |
| Pembina | 135 | 140 | 151 | 7.9 | 12,989 | 13,540 | 14,793 | 5 | Pickaway | 488 | 514 | 549 | 6.8 | 10,864 | 11,264 | 11,910 | 59 |
| Pierce | 68 | 70 | 67 | -4.3 | 11,619 | 12,525 | 12,227 | 33 | Pike | 219 | 223 | 236 | 5.8 | 8,719 | 9,046 | 9,429 | 85 |
| Ramsay | 181 | 175 | 182 | 4.0 | 13,933 | 13,774 | 13,930 | 10 | Portage | 1,651 | 1,731 | 1,838 | 6.2 | 12,093 | 12,607 | 13,322 | 39 |
| Ransom | 72 | 75 | 82 | 9.3 | 10,910 | 11,725 | 12,863 | 22 | Preble | 444 | 470 | 498 | 6.0 | 11,377 | 12,128 | 12,701 | 47 |
| Renville | 50 | 48 | 42 | -12.5 | 13,658 | 13,498 | 11,616 | 39 | Putnam | 415 | 448 | 470 | 4.9 | 12,441 | 13,404 | 13,978 | 22 |
| Richland | 218 | 231 | 250 | 8.2 | 11,476 | 11,783 | 12,770 | 24 | Richland | 1,624 | 1,694 | 1,773 | 4.7 | 12,549 | 13,232 | 13,838 | 28 |
| Rolette | 111 | 121 | 120 | -8.8 | 8,510 | 9,861 | 9,747 | 50 | Ross | 737 | 749 | 793 | 5.9 | 10,867 | 11,166 | 11,714 | 62 |
| Sargent | 69 | 60 | 68 | 13.3 | 13,204 | 11,656 | 13,747 | 14 | Sandusky | 811 | 865 | 911 | 5.3 | 13,044 | 14,013 | 14,723 | 15 |
| Shendan | 36 | 33 | 32 | -3.0 | 13,411 | 12,703 | 12,714 | 25 | Scioto | 789 | 818 | 861 | 5.3 | 9,473 | 9,987 | 10,524 | 77 |
| Sioux | 24 | 27 | 27 | 0 | 6,406 | 6,892 | 6,855 | 53 | Seneca | 705 | 731 | 763 | 4.4 | 11,387 | 11,905 | 12,345 | 51 |
| Slope | 11 | 13 | 13 | 0 | 9,138 | 10,936 | 11,275 | 42 | Shelby | 533 | 561 | 602 | 7.3 | 12,160 | 12,781 | 13,632 | 33 |
| Stark | 289 | 292 | 300 | 2.7 | 10,924 | 11,208 | 11,997 | 36 | Stark | 4,750 | 4,890 | 5,157 | 5.5 | 12,685 | 13,172 | 13,925 | 26 |
| Steele | 38 | 41 | 40 | -2.4 | 13,134 | 14,566 | 13,906 | 11 | Summit | 7,126 | 7,512 | 7,942 | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|----------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Canadian | 924 | 943 | 941 | -2 | 12,996 | 12,880 | 12,779 | 16 | Josephine | 637 | 674 | 722 | 7.1 | 9,560 | 10,148 | 10,507 | 36 |
| Carter | 576 | 575 | 578 | 5 | 12,141 | 12,100 | 12,389 | 18 | Klamath | 631 | 640 | 687 | 7.3 | 10,895 | 11,209 | 12,071 | 30 |
| Cherokee | 275 | 295 | 301 | 2.0 | 7,996 | 8,333 | 8,456 | 71 | Lake | 88 | 92 | 99 | 7.6 | 11,461 | 12,385 | 12,960 | 17 |
| Choctaw | 133 | 141 | 148 | 5.0 | 8,129 | 8,537 | 8,936 | 65 | Lane | 3,099 | 3,251 | 3,512 | 8.0 | 11,744 | 12,311 | 13,265 | 12 |
| Cimarron | 84 | 80 | 91 | 13.8 | 20,908 | 20,098 | 22,700 | 1 | Lincoln | 431 | 466 | 494 | 6.0 | 11,774 | 12,626 | 13,252 | 13 |
| Cleveland | 2,045 | 2,047 | 2,095 | 2.3 | 12,882 | 12,533 | 12,818 | 15 | Linn | 944 | 983 | 1,044 | 6.2 | 10,565 | 11,009 | 11,651 | 34 |
| Coal | 47 | 49 | 50 | 2.0 | 7,892 | 8,009 | 8,195 | 72 | Malheur | 276 | 295 | 309 | 4.7 | 9,592 | 10,468 | 11,208 | 35 |
| Comanche | 1,240 | 1,260 | 1,333 | 5.8 | 10,274 | 10,492 | 11,159 | 38 | Marion | 2,523 | 2,658 | 2,849 | 7.2 | 11,803 | 12,352 | 13,095 | 15 |
| Cotton | 78 | 81 | 81 | 0 | 11,051 | 11,592 | 11,547 | 33 | Morrow | 106 | 113 | 124 | 9.7 | 13,012 | 14,100 | 15,497 | 6 |
| Craig | 171 | 173 | 175 | 1.2 | 11,073 | 11,400 | 11,628 | 31 | Multnomah | 8,014 | 8,364 | 8,842 | 5.7 | 14,212 | 14,824 | 15,673 | 5 |
| Creek | 756 | 780 | 785 | .6 | 10,901 | 11,626 | 11,732 | 26 | Polk | 522 | 563 | 608 | 8.0 | 11,536 | 11,981 | 12,610 | 21 |
| Custer | 330 | 330 | 336 | 1.8 | 10,842 | 11,094 | 11,690 | 29 | Sherman | 37 | 42 | 39 | -7.1 | 16,918 | 19,926 | 19,517 | 1 |
| Delaware | 237 | 247 | 258 | 4.5 | 8,503 | 8,816 | 9,155 | 64 | Tillamook | 233 | 246 | 262 | 6.5 | 10,912 | 11,459 | 12,004 | 31 |
| Dewey | 80 | 80 | 75 | -6.3 | 12,613 | 12,830 | 12,287 | 19 | Umatilla | 677 | 709 | 748 | 5.5 | 11,166 | 11,685 | 12,431 | 26 |
| Ellis | 74 | 76 | 75 | -1.3 | 12,671 | 13,805 | 14,086 | 10 | Walla | 270 | 279 | 292 | 4.7 | 11,140 | 11,836 | 12,622 | 20 |
| Garfield | 864 | 847 | 837 | -1.2 | 13,409 | 13,336 | 13,994 | 11 | Wallowa | 80 | 85 | 90 | 5.9 | 10,617 | 11,847 | 12,610 | 22 |
| Garvin | 345 | 339 | 344 | 1.5 | 11,492 | 11,322 | 11,690 | 28 | Wasco | 255 | 262 | 285 | 8.8 | 11,549 | 12,520 | 13,838 | 9 |
| Grady | 481 | 476 | 481 | 1.1 | 10,680 | 10,807 | 11,076 | 43 | Washington | 4,030 | 4,265 | 4,590 | 7.6 | 15,028 | 15,525 | 16,350 | 3 |
| Grant | 94 | 105 | 105 | 0 | 14,130 | 16,099 | 16,777 | 5 | Wheeler | 17 | 19 | 20 | 5.3 | 11,652 | 13,528 | 15,347 | 7 |
| Greer | 68 | 70 | 72 | 2.9 | 9,607 | 10,274 | 10,880 | 44 | Yamhill | 662 | 712 | 760 | 6.7 | 11,435 | 12,248 | 12,945 | 18 |
| Harmon | 43 | 48 | 51 | 6.3 | 9,518 | 11,294 | 12,232 | 20 | Pennsylvania | 160,820 | 169,617 | 181,533 | 7.0 | 13,556 | 14,260 | 15,208 | ..... |
| Harper | 69 | 72 | 64 | -11.1 | 14,528 | 15,592 | 14,319 | 9 | Metropolitan portion | 140,499 | 148,336 | 158,917 | 7.1 | 14,001 | 14,735 | 15,721 | ..... |
| Haskell | 106 | 107 | 110 | 2.8 | 8,891 | 8,975 | 9,200 | 63 | Nonmetropolitan portion | 20,321 | 21,281 | 22,617 | 6.3 | 11,110 | 11,646 | 12,373 | ..... |
| Hughes | 120 | 124 | 124 | 0 | 8,149 | 8,393 | 8,496 | 69 | Adams | 894 | 954 | 1,026 | 7.5 | 12,718 | 13,350 | 14,211 | 17 |
| Jackson | 314 | 330 | 344 | 4.2 | 10,079 | 10,777 | 11,134 | 39 | Allagheny | 20,702 | 21,432 | 22,622 | 5.6 | 14,941 | 15,629 | 16,607 | 7 |
| Jefferson | 78 | 79 | 80 | 1.3 | 9,601 | 10,063 | 10,258 | 52 | Armstrong | 929 | 965 | 1,020 | 5.7 | 11,858 | 12,214 | 12,901 | 34 |
| Johnston | 82 | 86 | 88 | 2.3 | 7,523 | 7,887 | 8,051 | 73 | Beaver | 2,262 | 2,328 | 2,457 | 5.5 | 11,599 | 12,129 | 12,861 | 37 |
| Kay | 756 | 748 | 758 | 1.3 | 14,330 | 14,278 | 14,685 | 7 | Bedford | 459 | 488 | 524 | 7.4 | 9,670 | 10,237 | 10,943 | 63 |
| Kingfisher | 188 | 199 | 194 | -2.5 | 11,644 | 12,529 | 12,823 | 14 | Berks | 4,804 | 5,072 | 5,450 | 7.5 | 15,083 | 15,774 | 16,803 | 6 |
| Kiowa | 146 | 146 | 150 | 2.7 | 11,523 | 12,005 | 12,586 | 17 | Blair | 1,448 | 1,527 | 1,601 | 4.8 | 10,889 | 11,537 | 12,135 | 44 |
| Latimer | 83 | 83 | 85 | 2.4 | 7,950 | 7,721 | 7,890 | 75 | Bradford | 671 | 711 | 758 | 6.6 | 10,504 | 11,116 | 11,774 | 53 |
| Le Flore | 384 | 402 | 425 | 5.7 | 8,738 | 9,049 | 9,377 | 61 | Bucks | 8,133 | 8,786 | 9,592 | 9.2 | 15,839 | 16,856 | 18,030 | 4 |
| Lincoln | 292 | 291 | 294 | 1.0 | 9,688 | 9,744 | 9,963 | 55 | Butler | 1,834 | 1,932 | 2,055 | 6.4 | 12,202 | 12,736 | 13,483 | 23 |
| Logan | 329 | 323 | 323 | 0 | 10,574 | 10,526 | 10,776 | 45 | Cambria | 1,845 | 1,924 | 2,019 | 4.9 | 10,547 | 11,148 | 11,774 | 52 |
| Love | 84 | 88 | 86 | -2.3 | 10,488 | 10,873 | 10,743 | 47 | Cameron | 65 | 70 | 75 | 7.1 | 9,883 | 10,958 | 11,814 | 50 |
| McClain | 266 | 271 | 273 | .7 | 10,786 | 10,898 | 11,080 | 42 | Carbon | 635 | 663 | 711 | 7.2 | 11,776 | 12,137 | 12,882 | 35 |
| McCurtain | 281 | 296 | 310 | 4.7 | 7,713 | 8,179 | 8,459 | 70 | Centre | 1,265 | 1,358 | 1,480 | 9.0 | 11,074 | 11,988 | 12,920 | 33 |
| McIntosh | 143 | 146 | 150 | 2.7 | 8,144 | 8,296 | 8,547 | 68 | Chester | 5,835 | 6,258 | 6,822 | 9.0 | 17,416 | 18,368 | 19,672 | 2 |
| Major | 106 | 107 | 104 | -2.8 | 11,414 | 11,788 | 11,822 | 24 | Clanton | 458 | 471 | 494 | 4.9 | 10,714 | 11,165 | 11,830 | 49 |
| Marshall | 112 | 117 | 119 | 1.7 | 9,667 | 9,842 | 10,186 | 53 | Clearfield | 891 | 922 | 970 | 5.2 | 10,774 | 11,201 | 11,857 | 48 |
| Murray | 335 | 341 | 344 | .9 | 9,539 | 9,719 | 9,801 | 58 | Clinton | 371 | 393 | 418 | 6.4 | 9,760 | 10,347 | 11,036 | 61 |
| Murray | 127 | 126 | 125 | -.8 | 9,724 | 9,651 | 9,869 | 57 | Columbia | 667 | 705 | 734 | 7.0 | 10,924 | 11,588 | 12,411 | 42 |
| Muskogee | 746 | 764 | 781 | 2.2 | 10,570 | 10,900 | 11,125 | 41 | Crawford | 938 | 961 | 1,025 | 6.7 | 10,657 | 11,065 | 11,877 | 47 |
| Noble | 131 | 136 | 133 | -2.2 | 11,002 | 11,454 | 11,404 | 35 | Cumberland | 2,597 | 2,771 | 2,986 | 7.8 | 13,823 | 14,595 | 15,547 | 11 |
| Nowata | 112 | 111 | 114 | 2.7 | 9,977 | 10,110 | 10,514 | 49 | Dauphin | 3,174 | 3,349 | 3,580 | 6.9 | 13,409 | 14,068 | 15,007 | 14 |
| Okfuskee | 100 | 101 | 101 | 0 | 8,563 | 8,678 | 8,814 | 66 | Delaware | 9,336 | 9,973 | 10,780 | 8.1 | 16,801 | 17,786 | 19,062 | 3 |
| Oklahoma | 8,958 | 8,915 | 9,055 | 1.6 | 14,191 | 14,135 | 14,540 | 8 | Elk | 465 | 468 | 496 | 6.0 | 12,406 | 12,505 | 13,284 | 28 |
| Okmulgee | 384 | 386 | 388 | .5 | 9,607 | 9,629 | 9,741 | 59 | Erne | 3,358 | 3,493 | 3,672 | 5.1 | 12,043 | 12,540 | 13,174 | 29 |
| Osage | 435 | 417 | 420 | -7 | 10,529 | 10,031 | 10,391 | 50 | Fayette | 1,608 | 1,665 | 1,748 | 5.0 | 10,259 | 10,800 | 11,414 | 54 |
| Ottawa | 337 | 319 | 319 | 0 | 9,889 | 9,419 | 9,712 | 60 | Forest | 49 | 50 | 54 | 8.0 | 10,023 | 10,705 | 11,493 | 56 |
| Pawnee | 189 | 191 | 194 | 1.6 | 11,167 | 11,306 | 11,525 | 34 | Franklin | 1,403 | 1,480 | 1,595 | 7.8 | 11,937 | 12,500 | 13,343 | 27 |
| Payne | 652 | 669 | 686 | 2.5 | 10,017 | 10,278 | 10,706 | 48 | Fulton | 137 | 145 | 157 | 8.3 | 9,904 | 10,334 | 11,053 | 60 |
| Pittsburg | 404 | 422 | 433 | 2.6 | 9,293 | 9,645 | 9,949 | 56 | Greene | 404 | 415 | 435 | 4.8 | 9,879 | 10,245 | 10,818 | 65 |
| Pontotoc | 377 | 385 | 393 | 2.1 | 10,752 | 11,011 | 11,292 | 36 | Huntingdon | 392 | 417 | 444 | 6.5 | 9,155 | 9,719 | 10,378 | 67 |
| Pottawatomie | 692 | 693 | 705 | 1.7 | 11,138 | 11,291 | 11,637 | 30 | Indiana | 962 | 997 | 1,055 | 5.8 | 10,410 | 10,783 | 11,434 | 57 |
| Pushmataha | 84 | 85 | 88 | 3.5 | 6,851 | 7,034 | 7,387 | 77 | Jefferson | 543 | 563 | 596 | 5.9 | 11,249 | 11,675 | 12,422 | 39 |
| Roger Mills | 55 | 58 | 60 | 3.4 | 9,627 | 10,490 | 11,223 | 37 | Junata | 219 | 234 | 254 | 8.5 | 10,980 | 11,761 | 12,627 | 41 |
| Rogers | 641 | 655 | 661 | .9 | 11,619 | 11,729 | 11,812 | 25 | Lackawanna | 2,765 | 2,894 | 3,076 | 6.3 | 12,377 | 12,959 | 13,811 | 20 |
| Seminole | 302 | 295 | 290 | -1.7 | 10,391 | 10,193 | 10,357 | 57 | Lancaster | 5,364 | 5,833 | 6,333 | 8.6 | 13,851 | 14,745 | 15,686 | 9 |
| Seqoyah | 278 | 289 | 306 | 5.9 | 8,108 | 8,291 | 8,648 | 61 | Lawrence | 1,106 | 1,139 | 1,190 | 4.5 | 10,751 | 11,195 | 11,800 | 51 |
| Stephens | 529 | 515 | 515 | 0 | 11,768 | 11,724 | 12,078 | 21 | Lebanon | 1,326 | 1,421 | 1,520 | 7.0 | 11,893 | 12,661 | 13,439 | 24 |
| Texas | 269 | 289 | 296 | 2.4 | 14,767 | 16,275 | 16,854 | 4 | Lehigh | 4,197 | 4,437 | 4,783 | 7.8 | 15,020 | 15,733 | 16,813 | 5 |
| Tillman | 119 | 120 | 134 | 11.7 | 10,306 | 10,633 | 11,945 | 23 | Luzerne | 3,995 | 4,255 | 4,520 | 6.2 | 12,018 | 12,823 | 13,620 | 21 |
| Tulsa | 7,767 | 7,809 | 7,887 | 1.0 | 15,170 | 14,985 | 15,214 | 6 | Lycorning | 1,340 | 1,427 | 1,542 | 8.1 | 11,516 | 12,279 | 13,173 | 30 |
| Wagoner | 533 | 549 | 571 | 4.0 | 10,639 | 10,819 | 11,131 | 40 | McKean | 559 | 568 | 590 | 3.9 | 11,589 | 12,015 | 12,667 | 38 |
| Washington | 838 | 782 | 790 | 1.0 | 18,067 | 17,363 | 18,541 | 2 | Mercer | 1,408 | 1,429 | 1,496 | 4.7 | 11,356 | 11,536 | 12,115 | 45 |
| Washita | 142 | 150 | 146 | -2.7 | 10,059 | 11,223 | 11,598 | 32 | Mifflin | 458 | 489 | 520 | 6.3 | 9,882 | 10,554 | 11,182 | 59 |
| Woods | 135 | 140 | 140 | 0 | 12,731 | 13,359 | 13,735 | 12 | Monte | 1,014 | 1,131 | 1,254 | 10.9 | 12,819 | 13,632 | 14,307 | 16 |
| Woodward | 254 | 243 | 242 | -4 | 11,322 | 11,342 | 11,979 | 22 | Montgomery | 13,231 | 14,174 | 15,369 | 8.4 | 19,933 | 21,092 | 22,602 | 1 |
| Oregon | 33,951 | 35,748 | 38,182 | 6.8 | 12,641 | 13,228 | 14,018 | ..... | Montour | 226 | 242 | 261 | 7.9 | 13,572 | 14,495 | 15,572 | 10 |
| Metropolitan portion | 24,106 | 25,379 | 27,132 | 6.9 | 13,361 | 13,9 | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Wayne | 442 | 473 | 511 | 8.0 | 11,612 | 12,233 | 12,998 | 31 | Fall River | 90 | 89 | 97 | 9.0 | 11,445 | 11,323 | 12,527 | 33 |
| Westmoreland | 4,816 | 4,975 | 5,264 | 5.8 | 12,552 | 13,087 | 13,872 | 18 | Faulk | 32 | 39 | 38 | -2.6 | 10,460 | 12,916 | 12,812 | 28 |
| Wyoming | 308 | 332 | 360 | 8.4 | 11,165 | 12,035 | 12,862 | 36 | Grant | 100 | 103 | 109 | 5.8 | 10,818 | 11,316 | 12,045 | 37 |
| York | 4,693 | 5,003 | 5,426 | 8.5 | 14,528 | 15,355 | 16,371 | 8 | Gregory | 53 | 61 | 66 | 8.2 | 9,046 | 10,719 | 11,670 | 42 |
| Rhode Island | 13,320 | 14,271 | 15,421 | 8.1 | 13,777 | 14,642 | 15,640 | | Haakon | 29 | 39 | 38 | -2.6 | 9,941 | 14,058 | 13,512 | 13 |
| Metropolitan portion | 12,048 | 12,891 | 13,927 | 8.0 | 13,648 | 14,473 | 15,453 | | Hamlin | 51 | 53 | 59 | 11.3 | 9,799 | 10,223 | 11,354 | 49 |
| Nonmetropolitan portion | 1,272 | 1,380 | 1,495 | 8.3 | 15,129 | 16,438 | 17,639 | | Hand | 52 | 63 | 64 | 1.6 | 10,970 | 13,597 | 14,137 | 7 |
| Bristol | 733 | 791 | 857 | 8.3 | 15,498 | 16,678 | 17,854 | 1 | Hanson | 28 | 30 | 35 | 16.7 | 8,602 | 8,915 | 10,629 | 55 |
| Kent | 2,258 | 2,442 | 2,655 | 8.7 | 14,303 | 15,539 | 16,584 | 3 | Harding | 17 | 23 | 21 | -8.7 | 9,226 | 12,508 | 12,171 | 36 |
| Newport | 1,272 | 1,380 | 1,495 | 8.3 | 15,129 | 16,438 | 17,639 | 2 | Hughes | 181 | 190 | 201 | 5.8 | 12,128 | 12,687 | 13,443 | 16 |
| Providence | 7,630 | 8,101 | 8,715 | 7.6 | 13,183 | 13,815 | 14,756 | 5 | Hutchinson | 99 | 100 | 114 | 14.0 | 11,141 | 11,720 | 13,400 | 17 |
| Washington | 1,427 | 1,558 | 1,699 | 9.1 | 14,437 | 15,608 | 16,575 | 4 | Hyde | 19 | 24 | 24 | 0 | 9,551 | 12,647 | 13,512 | 12 |
| South Carolina | 35,780 | 38,255 | 41,204 | 7.7 | 10,734 | 11,317 | 12,036 | | Jackson | 23 | 28 | 25 | -10.7 | 6,768 | 8,135 | 7,262 | 63 |
| Metropolitan portion | 22,996 | 24,659 | 26,585 | 7.8 | 11,486 | 12,108 | 12,854 | | Jerauld | 25 | 28 | 31 | 10.7 | 8,793 | 10,014 | 11,395 | 48 |
| Nonmetropolitan portion | 12,784 | 13,596 | 14,620 | 7.5 | 9,602 | 10,119 | 10,787 | | Jones | 19 | 21 | 22 | 4.8 | 12,615 | 13,751 | 14,598 | 3 |
| Abbeville | 206 | 215 | 231 | 7.4 | 9,072 | 9,543 | 10,264 | 28 | Kingsbury | 79 | 84 | 87 | 3.6 | 12,215 | 13,146 | 13,748 | 9 |
| Aiken | 1,360 | 1,462 | 1,535 | 5.0 | 11,764 | 12,362 | 12,800 | 7 | Lake | 120 | 126 | 139 | 10.3 | 11,120 | 11,848 | 13,196 | 20 |
| Allendale | 88 | 93 | 97 | 4.3 | 8,373 | 8,827 | 9,224 | 38 | Lawrence | 208 | 219 | 235 | 7.3 | 10,801 | 11,194 | 11,786 | 39 |
| Anderson | 1,457 | 1,549 | 1,679 | 8.4 | 10,453 | 11,059 | 11,876 | 16 | Lincoln | 174 | 175 | 187 | 6.9 | 12,051 | 11,945 | 12,826 | 27 |
| Bamberg | 135 | 142 | 150 | 5.6 | 7,388 | 7,843 | 8,273 | 44 | Lyman | 34 | 43 | 41 | -4.7 | 8,995 | 11,577 | 11,277 | 51 |
| Barnwell | 209 | 223 | 224 | .4 | 10,150 | 10,589 | 10,638 | 22 | McCook | 70 | 71 | 78 | 9.9 | 11,262 | 11,694 | 12,980 | 21 |
| Beaufort | 1,054 | 1,145 | 1,222 | 6.7 | 13,114 | 14,039 | 14,601 | 11 | McPherson | 31 | 40 | 39 | -2.5 | 8,363 | 10,876 | 10,952 | 53 |
| Berkeley | 1,116 | 1,219 | 1,336 | 9.6 | 9,435 | 9,867 | 10,275 | 27 | Marshall | 68 | 61 | 65 | 6.6 | 13,203 | 12,040 | 12,862 | 25 |
| Calhoun | 113 | 115 | 126 | 9.6 | 9,323 | 9,548 | 10,684 | 21 | Meade | 216 | 236 | 246 | 4.2 | 9,356 | 10,275 | 10,385 | 56 |
| Charleston | 3,280 | 3,458 | 3,654 | 5.7 | 11,475 | 11,836 | 12,469 | 11 | Mellette | 16 | 19 | 21 | 10.5 | 6,771 | 8,326 | 9,419 | 59 |
| Cherokee | 451 | 484 | 531 | 9.7 | 10,999 | 11,740 | 12,692 | 9 | Miner | 36 | 40 | 46 | 15.0 | 10,342 | 11,817 | 13,868 | 8 |
| Chester | 280 | 295 | 318 | 7.8 | 9,150 | 9,529 | 10,232 | 29 | Minnehaha | 1,588 | 1,677 | 1,797 | 7.2 | 13,073 | 13,696 | 14,526 | 5 |
| Chesterfield | 348 | 379 | 407 | 7.4 | 9,024 | 9,800 | 10,442 | 26 | Moody | 72 | 74 | 86 | 16.2 | 10,703 | 11,059 | 12,909 | 23 |
| Clarendon | 208 | 218 | 236 | 8.3 | 7,434 | 7,725 | 8,340 | 42 | Pennington | 905 | 973 | 1,034 | 6.3 | 11,855 | 12,546 | 12,975 | 22 |
| Colleton | 282 | 296 | 315 | 6.4 | 8,272 | 8,620 | 9,077 | 40 | Perkins | 51 | 61 | 61 | 0 | 10,757 | 13,110 | 13,628 | 10 |
| Darlington | 571 | 606 | 651 | 7.4 | 8,874 | 9,355 | 10,030 | 32 | Potter | 43 | 53 | 53 | 0 | 11,516 | 14,507 | 14,545 | 4 |
| Dillon | 237 | 252 | 279 | 10.7 | 7,272 | 7,784 | 8,586 | 41 | Roberts | 100 | 102 | 108 | 5.9 | 9,107 | 9,306 | 9,896 | 58 |
| Dorchester | 769 | 830 | 906 | 9.2 | 10,559 | 10,987 | 11,454 | 18 | Sanborn | 32 | 32 | 37 | 15.6 | 10,443 | 10,603 | 12,660 | 30 |
| Edgefield | 160 | 166 | 174 | 4.8 | 8,937 | 9,122 | 9,501 | 36 | Shannon | 47 | 52 | 53 | 1.9 | 3,770 | 4,421 | 4,504 | 66 |
| Fairfield | 200 | 212 | 225 | 6.1 | 9,417 | 9,893 | 10,509 | 24 | Spink | 119 | 125 | 128 | 2.4 | 13,394 | 14,128 | 14,905 | 2 |
| Florence | 1,162 | 1,227 | 1,320 | 7.6 | 10,039 | 10,540 | 11,279 | 19 | Stanley | 29 | 33 | 33 | 0 | 11,127 | 12,402 | 12,627 | 31 |
| Georgetown | 438 | 468 | 504 | 7.7 | 9,479 | 9,910 | 10,473 | 25 | Sully | 29 | 37 | 36 | -2.7 | 15,701 | 20,169 | 19,191 | 1 |
| Greenville | 3,793 | 4,055 | 4,393 | 8.3 | 12,514 | 13,244 | 14,198 | 3 | Todd | 42 | 45 | 48 | 6.7 | 6,171 | 6,110 | 6,288 | 65 |
| Greenwood | 641 | 683 | 731 | 7.0 | 11,038 | 11,709 | 12,526 | 10 | Tripp | 69 | 83 | 86 | 3.6 | 9,498 | 11,604 | 12,279 | 35 |
| Hampton | 162 | 174 | 187 | 7.5 | 8,694 | 9,151 | 9,763 | 35 | Turner | 103 | 102 | 116 | 13.7 | 11,605 | 11,678 | 13,215 | 19 |
| Horry | 1,365 | 1,483 | 1,620 | 9.2 | 10,797 | 11,340 | 12,000 | 13 | Union | 130 | 127 | 142 | 11.8 | 12,487 | 12,077 | 13,491 | 14 |
| Jasper | 129 | 136 | 144 | 5.9 | 8,675 | 9,017 | 9,484 | 37 | Walworth | 73 | 83 | 83 | 0 | 10,826 | 12,401 | 12,696 | 29 |
| Kershaw | 453 | 479 | 516 | 7.7 | 10,772 | 11,286 | 11,950 | 14 | Yankton | 211 | 223 | 241 | 8.1 | 11,130 | 11,841 | 12,847 | 26 |
| Lancaster | 543 | 566 | 609 | 7.6 | 9,802 | 10,223 | 10,985 | 20 | Ziebach | 17 | 21 | 21 | 0 | 6,658 | 8,319 | 8,566 | 60 |
| Laurens | 548 | 589 | 628 | 6.6 | 10,305 | 11,074 | 11,806 | 17 | Tennessee | 53,637 | 57,550 | 62,522 | 8.6 | 11,251 | 11,989 | 12,878 | |
| Lee | 130 | 131 | 144 | 9.9 | 6,979 | 6,994 | 7,747 | 46 | Metropolitan portion | 38,980 | 42,000 | 45,645 | 8.7 | 12,273 | 13,194 | 14,037 | |
| Lexington | 1,990 | 2,235 | 2,443 | 9.3 | 12,534 | 13,695 | 14,455 | 2 | Nonmetropolitan portion | 14,657 | 15,550 | 16,877 | 8.5 | 9,210 | 9,790 | 10,528 | |
| McCormick | 67 | 75 | 76 | 1.3 | 9,127 | 10,342 | 10,524 | 23 | Anderson | 802 | 844 | 915 | 8.4 | 11,634 | 12,209 | 13,105 | 9 |
| Manon | 284 | 298 | 322 | 8.1 | 8,191 | 8,525 | 9,206 | 39 | Bedford | 309 | 333 | 365 | 9.6 | 10,699 | 11,397 | 12,397 | 14 |
| Marlboro | 230 | 237 | 260 | 9.7 | 7,194 | 7,505 | 8,226 | 45 | Benton | 141 | 146 | 155 | 6.2 | 9,366 | 9,720 | 10,336 | 52 |
| Newberry | 348 | 365 | 382 | 4.7 | 10,918 | 11,407 | 11,920 | 15 | Bledsoe | 72 | 77 | 84 | 9.1 | 7,521 | 8,060 | 8,759 | 80 |
| Oconee | 579 | 633 | 689 | 8.8 | 11,173 | 11,924 | 12,745 | 8 | Blount | 928 | 989 | 1,075 | 8.7 | 11,372 | 11,954 | 12,819 | 10 |
| Orangeburg | 764 | 808 | 875 | 8.3 | 8,841 | 9,225 | 9,916 | 33 | Bradley | 763 | 812 | 887 | 9.2 | 10,646 | 11,262 | 12,171 | 16 |
| Pickens | 918 | 986 | 1,067 | 8.2 | 10,729 | 11,279 | 12,084 | 12 | Campbell | 283 | 296 | 314 | 6.1 | 7,967 | 8,316 | 8,845 | 78 |
| Richland | 3,342 | 3,510 | 3,748 | 6.8 | 12,062 | 12,494 | 13,270 | 5 | Cannon | 101 | 109 | 118 | 8.3 | 9,997 | 10,108 | 10,780 | 39 |
| Saluda | 148 | 159 | 165 | 3.8 | 8,653 | 9,543 | 10,168 | 31 | Carroll | 258 | 269 | 291 | 8.2 | 9,126 | 9,611 | 10,386 | 51 |
| Spartanburg | 2,399 | 2,578 | 2,792 | 8.3 | 11,334 | 12,170 | 13,040 | 6 | Carter | 430 | 460 | 488 | 6.1 | 8,375 | 8,977 | 9,508 | 70 |
| Sumter | 853 | 891 | 957 | 7.4 | 9,039 | 9,312 | 9,892 | 34 | Cheatham | 248 | 273 | 301 | 10.3 | 10,326 | 11,000 | 11,665 | 23 |
| Union | 279 | 289 | 308 | 6.6 | 9,146 | 9,518 | 10,183 | 30 | Chester | 111 | 119 | 132 | 10.9 | 8,653 | 9,348 | 10,051 | 60 |
| Williamsburg | 278 | 292 | 320 | 9.6 | 7,204 | 7,615 | 8,339 | 43 | Claborn | 232 | 241 | 264 | 9.5 | 8,636 | 9,159 | 9,947 | 64 |
| York | 1,410 | 1,549 | 1,712 | 10.5 | 11,922 | 12,798 | 13,757 | 4 | Clay | 215 | 227 | 247 | 8.7 | 7,221 | 7,737 | 8,569 | 81 |
| South Dakota | 7,811 | 8,348 | 8,900 | 6.6 | 11,028 | 11,799 | 12,550 | | Coffee | 452 | 492 | 531 | 7.9 | 11,092 | 11,920 | 12,746 | 11 |
| Metropolitan portion | 2,494 | 2,649 | 2,831 | 6.9 | 12,603 | 13,250 | 13,918 | | Crockett | 126 | 133 | 150 | 12.8 | 8,845 | 9,389 | 10,604 | 46 |
| Nonmetropolitan portion | 5,317 | 5,699 | 6,069 | 6.5 | 10,417 | 11,228 | 12,000 | | Cumberland | 289 | 316 | 348 | 10.1 | 9,281 | 9,954 | 10,645 | 41 |
| Aurora | 29 | 33 | 38 | 15.2 | 8,390 | 9,910 | 11,521 | 46 | Davidson | 6,993 | 7,583 | 8,228 | 8.5 | 14,214 | 15,232 | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ¹ | | | | Area name | Total personal income | | | | Per capita personal income ¹ | | | |
|-------------------------|-----------------------|---------|---------|-----------------------------|---|--------|--------|---------------|---------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Hickman | 147 | 159 | 173 | 8.8 | 9,256 | 9,808 | 10,466 | 48 | Callahan | 137 | 138 | 141 | 2.2 | 10,987 | 10,678 | 10,879 | 202 |
| Houston | 63 | 67 | 73 | 9.0 | 8,944 | 9,437 | 10,195 | 54 | Cameron | 1,798 | 1,854 | 1,953 | 5.3 | 7,133 | 7,163 | 7,409 | 244 |
| Humphreys | 153 | 162 | 173 | 6.8 | 9,606 | 10,073 | 10,811 | 38 | Camp | 133 | 140 | 135 | -3.6 | 13,267 | 13,934 | 13,270 | 105 |
| Jackson | 68 | 71 | 77 | 8.5 | 7,358 | 7,622 | 8,272 | 86 | Carson | 99 | 101 | 104 | 3.0 | 14,492 | 14,279 | 14,895 | 48 |
| Jefferson | 293 | 311 | 336 | 8.0 | 8,870 | 9,316 | 10,035 | 62 | Cass | 337 | 336 | 348 | 3.6 | 11,062 | 11,053 | 11,475 | 186 |
| Johnson | 101 | 103 | 109 | 5.8 | 7,216 | 7,298 | 7,742 | 91 | Castro | 107 | 101 | 125 | 23.8 | 10,325 | 9,968 | 12,391 | 144 |
| Knox | 4,046 | 4,337 | 4,708 | 8.6 | 12,883 | 13,293 | 14,292 | 5 | Chambers | 238 | 237 | 230 | -3.0 | 12,108 | 12,321 | 12,183 | 156 |
| Lake | 53 | 55 | 60 | 9.1 | 6,783 | 7,294 | 8,072 | 87 | Cherokee | 451 | 457 | 473 | 3.5 | 11,344 | 11,421 | 11,858 | 168 |
| Lauderdale | 209 | 219 | 245 | 11.9 | 8,386 | 8,723 | 9,714 | 66 | Childress | 73 | 71 | 80 | 12.7 | 11,322 | 11,193 | 12,713 | 127 |
| Lawrence | 338 | 347 | 382 | 10.1 | 9,718 | 9,942 | 10,850 | 35 | Clay | 122 | 125 | 128 | 2.4 | 12,584 | 12,753 | 13,084 | 111 |
| Lewis | 72 | 73 | 78 | 6.8 | 6,901 | 6,988 | 7,458 | 92 | Cochran | 53 | 49 | 64 | 30.6 | 11,076 | 10,940 | 14,017 | 69 |
| Lincoln | 270 | 284 | 309 | 8.8 | 10,009 | 10,516 | 11,329 | 28 | Coke | 45 | 45 | 46 | 2.2 | 12,709 | 13,227 | 13,934 | 73 |
| Loudon | 293 | 311 | 338 | 8.7 | 9,642 | 10,247 | 10,958 | 34 | Coleman | 117 | 117 | 121 | 3.4 | 11,277 | 11,524 | 12,150 | 160 |
| McMinn | 416 | 441 | 468 | 6.1 | 9,644 | 10,211 | 10,818 | 37 | Collin | 3,659 | 4,021 | 4,276 | 6.3 | 18,683 | 19,332 | 19,555 | 6 |
| McNairy | 199 | 212 | 231 | 9.0 | 8,513 | 8,961 | 9,673 | 67 | Collingsworth | 41 | 45 | 51 | 13.3 | 10,233 | 11,573 | 13,610 | 84 |
| Macon | 133 | 143 | 156 | 9.1 | 8,325 | 8,897 | 9,593 | 69 | Colorado | 253 | 247 | 252 | 2.0 | 12,557 | 12,475 | 12,857 | 120 |
| Madison | 821 | 877 | 949 | 8.2 | 10,561 | 11,268 | 12,145 | 18 | Comal | 701 | 731 | 770 | 5.3 | 15,057 | 15,099 | 15,113 | 42 |
| Marion | 221 | 234 | 244 | 4.3 | 8,931 | 9,285 | 9,607 | 68 | Comanche | 147 | 153 | 160 | 4.6 | 11,413 | 11,988 | 12,354 | 147 |
| Marshall | 223 | 236 | 256 | 8.5 | 10,824 | 11,353 | 12,152 | 17 | Concho | 35 | 35 | 40 | 14.3 | 12,359 | 12,887 | 14,940 | 45 |
| Maury | 554 | 606 | 648 | 6.9 | 10,402 | 11,235 | 11,894 | 21 | Cooke | 348 | 361 | 370 | 2.5 | 11,936 | 12,393 | 12,691 | 128 |
| Meigs | 66 | 71 | 79 | 11.3 | 8,476 | 8,969 | 9,776 | 65 | Coryell | 586 | 599 | 616 | 2.8 | 10,032 | 10,402 | 10,624 | 214 |
| Monroe | 245 | 263 | 288 | 9.5 | 8,100 | 8,639 | 9,407 | 72 | Cottle | 36 | 31 | 37 | 19.4 | 13,449 | 12,661 | 15,188 | 40 |
| Montgomery | 908 | 974 | 1,057 | 8.5 | 10,107 | 10,539 | 11,247 | 30 | Craig | 67 | 59 | 57 | -3.4 | 13,450 | 12,017 | 12,268 | 151 |
| Moore | 42 | 43 | 45 | 4.7 | 8,455 | 8,891 | 9,401 | 73 | Crockett | 56 | 55 | 57 | 3.6 | 11,991 | 11,991 | 13,112 | 109 |
| Morgan | 122 | 131 | 141 | 7.6 | 7,220 | 7,783 | 8,342 | 85 | Crosby | 93 | 90 | 109 | 21.1 | 11,354 | 11,082 | 13,583 | 86 |
| Obion | 346 | 368 | 396 | 7.6 | 10,412 | 11,137 | 11,971 | 20 | Culberson | 32 | 32 | 35 | 9.4 | 9,634 | 9,832 | 10,556 | 217 |
| Overton | 123 | 130 | 141 | 8.5 | 6,900 | 7,337 | 7,831 | 90 | Dallam | 77 | 80 | 89 | 11.3 | 11,637 | 12,733 | 14,373 | 57 |
| Perry | 58 | 61 | 65 | 6.6 | 8,814 | 9,532 | 10,039 | 61 | Dallas | 30,970 | 32,074 | 33,076 | 3.1 | 17,266 | 17,422 | 17,859 | 9 |
| Pickett | 28 | 29 | 31 | 6.9 | 6,265 | 6,346 | 6,934 | 95 | Dawson | 191 | 185 | 216 | 16.8 | 11,758 | 11,297 | 13,384 | 96 |
| Polk | 124 | 133 | 139 | 4.5 | 9,074 | 9,619 | 10,120 | 57 | Deaf Smith | 241 | 245 | 287 | 17.1 | 12,018 | 12,238 | 14,281 | 61 |
| Putnam | 500 | 543 | 600 | 10.5 | 9,870 | 10,688 | 11,583 | 26 | Delta | 51 | 53 | 56 | 5.7 | 10,702 | 11,235 | 11,896 | 166 |
| Rhea | 245 | 264 | 286 | 8.3 | 9,926 | 10,555 | 11,293 | 29 | Denton | 3,382 | 3,688 | 3,934 | 6.7 | 17,932 | 17,302 | 17,492 | 11 |
| Roane | 528 | 556 | 599 | 7.7 | 10,615 | 11,245 | 12,086 | 29 | De Witt | 220 | 234 | 238 | 1.7 | 10,992 | 12,058 | 12,503 | 138 |
| Robertson | 381 | 416 | 461 | 10.8 | 9,671 | 10,279 | 10,992 | 33 | Dickens | 30 | 28 | 38 | 35.7 | 9,613 | 9,818 | 13,604 | 85 |
| Rutherford | 1,152 | 1,286 | 1,428 | 11.0 | 11,686 | 12,549 | 13,308 | 8 | Dimmit | 68 | 68 | 70 | 2.9 | 5,757 | 5,831 | 6,146 | 252 |
| Scott | 147 | 157 | 164 | 4.5 | 7,100 | 7,575 | 7,950 | 89 | Donley | 51 | 53 | 63 | 18.9 | 12,703 | 13,327 | 15,958 | 26 |
| Sequatchie | 68 | 73 | 79 | 8.2 | 7,625 | 8,152 | 8,865 | 77 | Duval | 127 | 123 | 123 | 0 | 9,511 | 9,096 | 9,050 | 238 |
| Sevier | 449 | 487 | 532 | 9.2 | 9,637 | 10,412 | 11,126 | 31 | Eastland | 208 | 204 | 208 | 2.0 | 10,150 | 10,099 | 10,447 | 219 |
| Shelby | 10,477 | 11,219 | 12,178 | 8.5 | 13,037 | 13,839 | 14,869 | 3 | Ector | 1,777 | 1,601 | 1,594 | -4 | 13,250 | 11,936 | 12,524 | 136 |
| Smith | 148 | 157 | 171 | 8.9 | 10,163 | 10,731 | 11,627 | 25 | Edwards | 21 | 24 | 28 | 16.7 | 10,247 | 11,609 | 13,544 | 88 |
| Stewart | 82 | 87 | 95 | 9.2 | 8,852 | 9,461 | 10,063 | 58 | Ellis | 1,002 | 1,079 | 1,139 | 5.6 | 13,580 | 13,930 | 14,193 | 63 |
| Sullivan | 1,625 | 1,731 | 1,842 | 6.4 | 11,163 | 11,836 | 12,512 | 13 | El Paso | 4,923 | 5,142 | 5,433 | 5.7 | 8,962 | 9,192 | 9,484 | 235 |
| Sumner | 1,146 | 1,253 | 1,375 | 9.7 | 12,201 | 12,964 | 13,812 | 6 | Erath | 315 | 322 | 344 | 6.8 | 12,610 | 12,961 | 13,538 | 89 |
| Tipton | 333 | 357 | 399 | 11.8 | 9,469 | 9,912 | 10,818 | 36 | Falls | 179 | 179 | 187 | 4.5 | 10,122 | 10,137 | 10,690 | 209 |
| Trousdale | 55 | 57 | 63 | 10.5 | 9,348 | 9,741 | 10,435 | 49 | Fannin | 272 | 283 | 299 | 5.7 | 11,089 | 11,564 | 12,650 | 158 |
| Unicoi | 153 | 164 | 173 | 5.5 | 9,108 | 9,619 | 10,307 | 53 | Fayette | 286 | 294 | 308 | 4.8 | 13,995 | 14,196 | 14,934 | 46 |
| Union | 89 | 95 | 104 | 9.5 | 7,316 | 7,784 | 8,454 | 83 | Fisher | 71 | 59 | 71 | 20.3 | 10,647 | 10,896 | 12,995 | 114 |
| Van Buren | 36 | 39 | 42 | 7.7 | 7,414 | 8,050 | 8,766 | 79 | Floyd | 98 | 92 | 110 | 19.6 | 10,896 | 10,728 | 12,881 | 116 |
| Warren | 305 | 325 | 356 | 9.5 | 9,099 | 9,730 | 10,640 | 42 | Foard | 26 | 26 | 28 | 7.7 | 13,653 | 13,737 | 15,031 | 44 |
| Washington | 1,018 | 1,092 | 1,162 | 6.4 | 10,998 | 11,980 | 12,700 | 12 | Fort Bend | 2,834 | 2,849 | 2,939 | 3.2 | 15,223 | 15,413 | 15,629 | 33 |
| Wayne | 117 | 123 | 132 | 7.3 | 8,262 | 8,698 | 9,340 | 74 | Franklin | 88 | 92 | 94 | 2.2 | 12,199 | 12,136 | 12,432 | 142 |
| Weakley | 303 | 324 | 350 | 8.0 | 9,119 | 9,903 | 10,669 | 40 | Freestone | 183 | 185 | 190 | 2.7 | 10,709 | 10,732 | 11,117 | 199 |
| White | 193 | 201 | 216 | 7.5 | 9,723 | 9,922 | 10,620 | 43 | Frio | 101 | 101 | 104 | 3.0 | 6,986 | 7,099 | 7,356 | 245 |
| Williamson | 1,169 | 1,312 | 1,459 | 11.2 | 17,015 | 18,221 | 19,318 | 1 | Gaines | 148 | 132 | 172 | 30.3 | 10,116 | 9,140 | 12,279 | 149 |
| Wilson | 750 | 831 | 917 | 10.3 | 12,004 | 13,011 | 13,812 | 7 | Galveston | 2,958 | 2,978 | 3,029 | 1.7 | 13,833 | 14,054 | 14,324 | 59 |
| Texas | 220,711 | 225,526 | 233,107 | 3.4 | 13,472 | 13,516 | 13,888 | | Garza | 56 | 54 | 60 | 11.1 | 10,235 | 10,080 | 11,563 | 183 |
| Metropolitan portion | 184,328 | 188,917 | 194,705 | 3.1 | 13,960 | 14,006 | 14,326 | | Gillespie | 233 | 245 | 253 | 3.3 | 15,085 | 15,444 | 15,754 | 29 |
| Nonmetropolitan portion | 36,383 | 36,609 | 38,402 | 4.9 | 11,444 | 11,449 | 12,023 | | Glasscock | 23 | 18 | 27 | 50.0 | 18,985 | 15,691 | 22,209 | 3 |
| Anderson | 475 | 481 | 507 | 5.4 | 10,218 | 10,147 | 10,646 | 212 | Goliad | 70 | 70 | 73 | 4.3 | 12,315 | 12,208 | 12,661 | 130 |
| Andrews | 222 | 204 | 200 | -2.0 | 13,521 | 12,135 | 12,578 | 134 | Gonzales | 205 | 215 | 218 | 1.4 | 10,866 | 11,512 | 11,637 | 179 |
| Angelina | 811 | 836 | 869 | 3.9 | 11,791 | 12,074 | 12,528 | 135 | Gray | 390 | 380 | 379 | -3 | 14,480 | 14,468 | 14,874 | 49 |
| Aransas | 206 | 206 | 208 | 1.0 | 11,686 | 11,644 | 11,793 | 173 | Grayson | 1,242 | 1,296 | 1,345 | 3.8 | 12,831 | 13,065 | 13,501 | 90 |
| Archer | 106 | 107 | 109 | 1.9 | 13,611 | 12,984 | 13,401 | 94 | Gregg | 1,428 | 1,441 | 1,467 | 1.8 | 12,743 | 13,027 | 13,451 | 92 |
| Armstrong | 33 | 34 | 36 | 5.9 | 17,587 | 15,956 | 17,230 | 14 | Grimes | 186 | 191 | 199 | 4.8 | 9,781 | 10,029 | 10,422 | 220 |
| Atascosa | 275 | 278 | 292 | 5.0 | 9,694 | 9,614 | 9,966 | 227 | Guadalupe | 676 | 728 | 763 | 4.8 | 12,297 | 12,750 | 12,947 | 115 |
| Austin | 301 | 299 | 306 | 2.3 | 14,501 | 14,112 | 14,573 | 53 | Hale | 399 | 391 | 442 | 13.0 | 10,780 | 10,627 | 11,844 | 169 |
| Bailey | 115 | 110 | 131 | 19.1 | 13,898 | 13,168 | 15,904 | 27 | Hall | 59 | 53 | 68 | 28.3 | 12,130 | 11,480 | 15,363 | 35 |
| Bandera | 122 | 130 | 137 | 5.4 | 13,504 | 13,869 | 15,976 | 72 | Hamilton | 97 | 104 | 107 | 2.9 | 12,224 | 12,912 | 13,306 | 102 |
| Bastrop | 385 | 408 | 424 | 3.9 | 11,238 | 11,129 | 11,309 | 193 | Hansford | 125 | 134 | 137 | 2.2 | 19,080 | 21,202 | 21,866 | 4 |
| Baylor | 64 | 65 | 67 | 3.1 | 13,510 | 13,766 | 14,254 | 62 | Hardeman | 77 | 76 | 79 | 3.9 | 12,112 | 12,426 | 13,285 | 104 |
| Bee | 264 | 262 | 262 | 0 | 9,791 | 9,908 | 9,882 | 229 | Hardin | 486 | 480 | 478 | -4 | 11,347 | 11,401 | 11,377 | 191 |
| Bell | 2,01 | | | | | | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------|-----------------------|-------|-------|-----------------------------|---|--------|--------|---------------|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Irion | 27 | 27 | 27 | 0 | 13,652 | 13,956 | 14,327 | 58 | Schleicher | 36 | 35 | 36 | 2.9 | 11,626 | 11,033 | 12,032 | 162 |
| Jack | 92 | 86 | 85 | -1.2 | 11,998 | 11,568 | 11,644 | 178 | Scurry | 257 | 245 | 245 | 0 | 12,890 | 12,602 | 13,255 | 106 |
| Jackson | 171 | 161 | 169 | 5.0 | 12,677 | 12,009 | 12,807 | 123 | Shackelford | 53 | 51 | 51 | 0 | 13,620 | 12,901 | 13,689 | 81 |
| Jasper | 342 | 349 | 362 | 3.7 | 10,655 | 11,025 | 11,347 | 192 | Shelby | 241 | 252 | 255 | 1.2 | 10,056 | 10,645 | 10,772 | 204 |
| Jeff Davis | 20 | 20 | 20 | 0 | 11,287 | 11,364 | 11,645 | 177 | Sherman | 74 | 80 | 83 | 3.8 | 23,471 | 25,758 | 27,223 | 2 |
| Jefferson | 3,390 | 3,342 | 3,431 | 2.7 | 13,382 | 13,561 | 14,057 | 66 | Smith | 2,078 | 2,140 | 2,220 | 3.7 | 13,805 | 14,074 | 14,545 | 55 |
| Jim Hogg | 50 | 52 | 52 | 0 | 9,102 | 9,486 | 9,605 | 232 | Somervell | 53 | 58 | 61 | 5.2 | 11,878 | 12,201 | 12,491 | 139 |
| Jim Wells | 387 | 359 | 358 | -3 | 9,655 | 8,899 | 9,067 | 237 | Starr | 150 | 151 | 164 | 8.6 | 4,342 | 4,400 | 4,252 | 254 |
| Johnson | 1,148 | 1,214 | 1,273 | 4.9 | 13,125 | 13,132 | 13,362 | 100 | Stephens | 116 | 119 | 117 | -1.7 | 11,079 | 11,467 | 11,307 | 194 |
| Jones | 218 | 208 | 220 | 5.8 | 12,049 | 11,738 | 12,601 | 133 | Sterling | 15 | 16 | 16 | 0 | 9,191 | 9,958 | 10,629 | 213 |
| Karnes | 132 | 128 | 130 | 1.6 | 9,895 | 9,673 | 9,909 | 228 | Stonewall | 29 | 28 | 32 | 14.3 | 12,305 | 12,251 | 13,917 | 74 |
| Kaufman | 642 | 692 | 721 | 4.2 | 13,057 | 13,263 | 13,292 | 103 | Suton | 57 | 53 | 53 | 0 | 10,786 | 10,495 | 11,745 | 175 |
| Kendall | 231 | 249 | 263 | 5.6 | 16,725 | 17,198 | 17,160 | 15 | Swisher | 109 | 121 | 142 | 17.4 | 12,236 | 13,639 | 16,205 | 23 |
| Kenedy | 7 | 9 | 8 | -11.1 | 11,430 | 14,296 | 15,321 | 37 | Tarrant | 16,273 | 17,312 | 18,032 | 4.2 | 15,357 | 15,969 | 16,239 | 22 |
| Kent | 13 | 13 | 15 | 15.4 | 10,795 | 11,280 | 13,088 | 110 | Taylor | 1,642 | 1,626 | 1,645 | 1.2 | 13,358 | 13,053 | 13,372 | 98 |
| Kerr | 531 | 550 | 565 | 2.7 | 15,287 | 15,359 | 15,532 | 34 | Terrell | 22 | 23 | 25 | 8.7 | 14,727 | 15,743 | 17,286 | 13 |
| Kimble | 56 | 55 | 59 | 7.3 | 13,256 | 12,854 | 13,749 | 79 | Terry | 171 | 155 | 192 | 23.9 | 11,181 | 10,200 | 13,000 | 113 |
| King | 3 | 4 | 6 | 50.0 | 8,408 | 8,830 | 13,822 | 75 | Throckmorton | 31 | 30 | 32 | 6.7 | 14,286 | 13,672 | 14,826 | 51 |
| Kinney | 26 | 28 | 30 | 7.1 | 10,949 | 11,181 | 11,440 | 189 | Titus | 260 | 277 | 295 | 6.5 | 11,328 | 11,954 | 12,657 | 131 |
| Kleberg | 360 | 343 | 352 | 2.6 | 10,475 | 10,297 | 10,692 | 208 | Tom Green | 1,241 | 1,277 | 1,334 | 4.5 | 12,713 | 13,042 | 13,474 | 91 |
| Knox | 58 | 56 | 62 | 10.7 | 10,471 | 10,301 | 11,581 | 181 | Travis | 8,010 | 8,509 | 8,675 | 2.0 | 15,007 | 15,419 | 15,711 | 30 |
| Lamar | 517 | 536 | 561 | 4.7 | 11,551 | 11,878 | 12,361 | 145 | Trinity | 112 | 114 | 117 | 2.6 | 9,601 | 9,468 | 9,582 | 233 |
| Lamb | 235 | 222 | 267 | 20.3 | 13,880 | 13,601 | 16,606 | 20 | Tyler | 210 | 210 | 215 | 2.4 | 11,335 | 11,425 | 11,818 | 171 |
| Lampasas | 150 | 155 | 161 | 3.9 | 10,893 | 10,923 | 11,037 | 200 | Upshur | 339 | 344 | 354 | 2.9 | 10,593 | 10,459 | 10,684 | 211 |
| La Salle | 40 | 39 | 41 | 5.1 | 6,972 | 7,132 | 7,673 | 243 | Upton | 64 | 59 | 57 | -3.4 | 11,493 | 10,759 | 11,589 | 180 |
| Lavaca | 242 | 243 | 249 | 2.5 | 13,168 | 12,639 | 13,399 | 95 | Uvalde | 233 | 231 | 251 | 8.7 | 9,548 | 9,420 | 10,066 | 225 |
| Lee | 171 | 169 | 170 | 0.6 | 12,656 | 12,050 | 12,522 | 137 | Val Verde | 316 | 327 | 344 | 5.2 | 8,003 | 8,186 | 8,413 | 241 |
| Leon | 154 | 158 | 162 | 2.5 | 12,220 | 12,482 | 12,880 | 117 | Van Zandt | 447 | 458 | 470 | 2.6 | 11,951 | 11,814 | 12,015 | 163 |
| Liberty | 610 | 605 | 618 | 2.1 | 11,284 | 11,050 | 11,404 | 190 | Victoria | 1,039 | 1,026 | 1,046 | 1.9 | 13,792 | 13,470 | 13,852 | 76 |
| Limestone | 246 | 236 | 237 | 4 | 11,474 | 10,831 | 10,850 | 203 | Walker | 520 | 530 | 565 | 6.6 | 10,083 | 10,044 | 10,615 | 215 |
| Lipscomb | 54 | 53 | 55 | 3.8 | 14,000 | 14,346 | 15,675 | 32 | Waller | 251 | 259 | 259 | 3.2 | 10,764 | 10,691 | 11,193 | 197 |
| Love Oak | 111 | 107 | 108 | 9 | 11,755 | 11,257 | 11,518 | 185 | Ward | 190 | 171 | 169 | -1.2 | 12,053 | 11,257 | 11,797 | 172 |
| Llano | 183 | 190 | 196 | 3.2 | 15,024 | 15,473 | 15,694 | 31 | Washington | 300 | 401 | 416 | 3.7 | 14,935 | 15,498 | 16,057 | 24 |
| Loving | 2 | 2 | 2 | 0 | 41,392 | 30,100 | 29,767 | 1 | Webb | 789 | 822 | 871 | 6.0 | 6,663 | 6,746 | 7,035 | 249 |
| Lubbock | 2,706 | 2,763 | 2,902 | 5.0 | 12,150 | 12,188 | 12,750 | 125 | Wharton | 512 | 498 | 512 | 2.8 | 12,375 | 12,201 | 12,639 | 132 |
| Lynn | 95 | 79 | 116 | 46.8 | 12,058 | 10,849 | 16,241 | 21 | Wheeler | 89 | 90 | 97 | 7.8 | 12,482 | 13,309 | 14,545 | 54 |
| McCulloch | 100 | 101 | 113 | 11.9 | 10,924 | 11,430 | 12,802 | 124 | Wichita | 1,713 | 1,736 | 1,769 | 1.9 | 13,548 | 13,691 | 14,081 | 65 |
| McLennan | 2,263 | 2,338 | 2,400 | 2.7 | 12,220 | 12,463 | 12,668 | 129 | Wilbarger | 207 | 202 | 208 | 3.0 | 12,286 | 12,022 | 12,865 | 118 |
| McMullen | 15 | 14 | 15 | 7.1 | 15,087 | 15,861 | 16,670 | 18 | Willacy | 125 | 121 | 138 | 14.0 | 6,637 | 6,330 | 7,220 | 247 |
| Madison | 127 | 126 | 130 | 3.2 | 10,615 | 10,638 | 11,163 | 198 | Williamson | 1,510 | 1,600 | 1,679 | 4.9 | 14,096 | 13,569 | 13,740 | 80 |
| Marion | 94 | 93 | 96 | 3.2 | 9,324 | 9,623 | 9,822 | 230 | Wilson | 199 | 211 | 225 | 6.6 | 10,594 | 10,892 | 11,241 | 195 |
| Martin | 67 | 61 | 85 | 39.3 | 12,575 | 11,680 | 16,744 | 17 | Winkler | 112 | 110 | 94 | -4.1 | 10,428 | 9,742 | 10,014 | 226 |
| Mason | 40 | 42 | 45 | 7.1 | 11,178 | 11,905 | 13,139 | 108 | Wise | 401 | 419 | 427 | 1.9 | 12,358 | 12,192 | 12,202 | 154 |
| Matagorda | 653 | 630 | 619 | -1.7 | 16,216 | 15,619 | 15,284 | 39 | Wood | 343 | 352 | 364 | 3.4 | 12,401 | 12,506 | 12,858 | 119 |
| Maunick | 178 | 186 | 198 | 6.5 | 4,863 | 4,914 | 5,047 | 253 | Yoakum | 139 | 115 | 136 | 18.3 | 14,385 | 11,743 | 14,181 | 64 |
| Medina | 273 | 284 | 293 | 3.2 | 10,866 | 10,875 | 10,956 | 201 | Young | 294 | 281 | 286 | 1.8 | 15,422 | 14,445 | 15,186 | 41 |
| Menard | 30 | 32 | 33 | 3.1 | 13,027 | 13,639 | 14,055 | 67 | Zapata | 56 | 59 | 62 | 5.1 | 6,713 | 6,947 | 7,153 | 248 |
| Midland | 1,877 | 1,794 | 1,789 | -3 | 17,289 | 16,126 | 16,609 | 19 | Zavala | 67 | 67 | 74 | 10.4 | 5,635 | 5,530 | 6,154 | 251 |
| Milam | 279 | 279 | 288 | 3.2 | 11,774 | 11,779 | 12,221 | 153 | Utah | 17,512 | 18,285 | 19,129 | 4.6 | 10,645 | 10,986 | 11,386 | ..... |
| Mills | 54 | 58 | 63 | 8.6 | 11,885 | 12,970 | 14,028 | 68 | Metropolitan portion | 13,868 | 14,496 | 15,161 | 4.6 | 10,960 | 11,319 | 11,695 | ..... |
| Mitchell | 102 | 100 | 109 | 9.0 | 11,294 | 10,989 | 12,427 | 143 | Nonmetropolitan portion | 3,644 | 3,788 | 3,968 | 4.8 | 9,596 | 9,876 | 10,342 | ..... |
| Monroe | 207 | 209 | 212 | 1.4 | 11,263 | 11,445 | 11,737 | 176 | Beaver | 46 | 44 | 46 | 4.5 | 8,936 | 8,908 | 9,220 | 21 |
| Montgomery | 2,239 | 2,278 | 2,337 | 2.6 | 14,271 | 13,563 | 13,811 | 78 | Box Elder | 405 | 430 | 476 | 10.7 | 11,169 | 11,458 | 12,506 | 4 |
| Moore | 248 | 259 | 267 | 3.1 | 14,402 | 14,855 | 15,303 | 38 | Cache | 580 | 628 | 668 | 6.4 | 8,973 | 9,606 | 10,181 | 13 |
| Morris | 173 | 161 | 162 | -6 | 11,936 | 11,124 | 11,544 | 184 | Carbon | 258 | 263 | 269 | 2.3 | 11,420 | 11,678 | 12,065 | 6 |
| Motley | 19 | 18 | 25 | 38.9 | 11,259 | 10,402 | 14,633 | 52 | Daggett | 7 | 8 | 9 | 12.5 | 9,628 | 10,826 | 10,444 | 10 |
| Nacogoches | 529 | 556 | 588 | 5.8 | 10,570 | 10,963 | 11,455 | 187 | Davis | 1,797 | 1,924 | 2,023 | 5.1 | 10,260 | 10,980 | 11,211 | 9 |
| Navarro | 465 | 469 | 480 | 2.3 | 11,881 | 11,867 | 12,162 | 159 | Duchesne | 143 | 139 | 141 | 1.4 | 9,367 | 9,184 | 9,805 | 18 |
| Newton | 114 | 114 | 118 | 3.5 | 8,611 | 8,504 | 8,844 | 239 | Emery | 98 | 102 | 102 | 0 | 8,130 | 8,449 | 8,607 | 25 |
| Nolan | 207 | 211 | 224 | 6.2 | 11,626 | 12,221 | 13,022 | 112 | Garfield | 37 | 40 | 41 | 2.5 | 9,107 | 9,685 | 9,882 | 17 |
| Nueces | 3,628 | 3,608 | 3,667 | 1.6 | 12,153 | 11,972 | 12,244 | 152 | Grand | 77 | 76 | 78 | 2.6 | 10,448 | 10,937 | 11,456 | 8 |
| Ochiltree | 154 | 139 | 139 | 0 | 14,017 | 13,146 | 13,987 | 70 | Iron | 154 | 161 | 169 | 5.0 | 7,792 | 8,190 | 8,650 | 24 |
| Oldham | 42 | 45 | 49 | 8.9 | 17,092 | 15,763 | 17,373 | 12 | Juab | 46 | 47 | 49 | 4.3 | 7,619 | 7,741 | 8,162 | 28 |
| Orange | 982 | 980 | 1,001 | 2.1 | 11,743 | 11,552 | 11,782 | 174 | Kane | 43 | 47 | 49 | 4.3 | 9,297 | 9,881 | 10,019 | 15 |
| Palo Pinto | 303 | 303 | 308 | 1.7 | 11,443 | 11,469 | 11,900 | 165 | Millard | 153 | 137 | 123 | -10.2 | 10,661 | 9,787 | 9,521 | 19 |
| Panola | 268 | 271 | 279 | 3.0 | 12,147 | 12,259 | 12,486 | 141 | Morgan | 58 | 62 | 66 | 6.5 | 11,323 | 11,800 | 12,097 | 5 |
| Parker | 753 | 810 | 857 | 5.8 | 13,332 | 13,421 | 13,569 | 87 | Pratt | 10 | 11 | 12 | 9.1 | 6,907 | 7,410 | 8,449 | 26 |
| Parmer | 171 | 171 | 211 | 23.4 | 15,723 | 15,832 | 19,411 | 7 | Rich | 20 | 20 | 22 | 10.0 | 8,549 | 8,866 | 10,255 | 12 |
| Pecos | 163 | 156 | 155 | -6 | 9,491 | 9,287 | 9,377 | 236 | Salt Lake | 8,268 | 8,583 | 8,970 | 4.5 | 11,935 | 12,146 | 12,567 | 3 |
| Polk | 300 | 318 | 332 | 4.4 | 10,277 | 10,644 | 10,772 | 205 | San Juan | 76 | 80 | 85 | 6.3 | 6,566 | 6,801 | 7,414 | 29 |
| Potter | 1,358 | 1,351 | 1,406 | 4.1 | 12,698 | 12,758 | 13,351 | 101 | Sanpete | 128 | 132 | 138 | 4.5 | 7,662 | 7,974 | 8,372 | 27 |
| Presidio | 45 | 45 | 47 | 4.4 | 7,915 | 8,004 | 7,910 | 242 | Sevier | 143 | 149 | 158 | 6.0 | 9,122 | 9,465 | 10,157 | 14 |
| Rains | 68 | 69 | 72 | 4.3 | 11,821 | 11,678 | 12,034 | 161 | Summit | 187 | 202 | 213 | 5.4 | 15,037 | 15,468 | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ³ | | | | Area name | Total personal income | | | | Per capita personal income ³ | | | |
|------------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|--|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Caledonia..... | 277 | 299 | 323 | 8.0 | 10,508 | 11,205 | 11,926 | 12 | Westmoreland | 178 | 195 | 215 | 10.3 | 12,448 | 13,390 | 14,357 | 37 |
| Chitenden..... | 1,722 | 1,873 | 2,051 | 9.5 | 14,111 | 15,143 | 16,181 | 1 | Wythe..... | 262 | 281 | 304 | 8.2 | 10,256 | 11,014 | 11,877 | 77 |
| Essex..... | 57 | 60 | 67 | 11.7 | 8,732 | 9,275 | 9,878 | 14 | Independent Cities: | | | | | | | | |
| Franklin..... | 395 | 420 | 453 | 7.9 | 10,655 | 11,176 | 12,028 | 11 | Alexandria..... | 2,530 | 2,668 | 2,875 | 7.8 | 23,315 | 24,647 | 26,640 | 2 |
| Grand Isle..... | 60 | 68 | 73 | 7.4 | 11,722 | 12,558 | 13,647 | 7 | Chesapeake..... | 1,672 | 1,878 | 2,062 | 9.8 | 12,816 | 13,949 | 14,574 | 35 |
| Lamoille..... | 203 | 224 | 248 | 10.7 | 11,277 | 12,374 | 13,522 | 8 | Hampton..... | 1,513 | 1,603 | 1,709 | 6.6 | 12,075 | 12,705 | 13,354 | 49 |
| Orange..... | 271 | 294 | 320 | 8.8 | 11,273 | 12,003 | 12,984 | 9 | Newport News..... | 1,985 | 2,102 | 2,255 | 7.3 | 12,586 | 13,139 | 13,851 | 41 |
| Orleans..... | 228 | 246 | 264 | 7.3 | 9,463 | 10,186 | 10,948 | 13 | Norfolk..... | 3,389 | 3,542 | 3,751 | 5.9 | 12,333 | 12,640 | 13,358 | 48 |
| Rutland..... | 746 | 815 | 885 | 8.6 | 12,571 | 13,588 | 14,558 | 5 | Portsmouth..... | 1,241 | 1,305 | 1,384 | 6.1 | 11,231 | 11,929 | 12,568 | 62 |
| Washington..... | 652 | 707 | 774 | 9.5 | 12,170 | 13,220 | 14,231 | 6 | Richmond..... | 3,429 | 3,633 | 3,913 | 7.7 | 15,764 | 16,694 | 18,059 | 10 |
| Windham..... | 519 | 569 | 614 | 7.9 | 13,045 | 13,959 | 15,245 | 3 | Roanoke..... | 1,345 | 1,417 | 1,506 | 6.3 | 13,317 | 14,014 | 15,041 | 25 |
| Windsor..... | 682 | 733 | 802 | 9.4 | 12,938 | 13,768 | 14,777 | 4 | Suffolk..... | 635 | 688 | 736 | 7.0 | 12,648 | 13,495 | 14,114 | 39 |
| Virginia..... | 82,523 | 89,427 | 97,506 | 9.0 | 14,473 | 15,433 | 16,516 | ..... | Virginia Beach..... | 4,745 | 5,230 | 5,701 | 9.0 | 14,907 | 15,542 | 16,287 | 17 |
| Metropolitan portion..... | 64,216 | 69,699 | 76,149 | 9.3 | 15,799 | 16,808 | 17,977 | ..... | Combination Areas:⁴ | | | | | | | | |
| Nonmetropolitan portion..... | 18,307 | 19,728 | 21,357 | 8.3 | 11,181 | 11,971 | 12,805 | ..... | Albemarle + Charlottesville..... | 1,421 | 1,535 | 1,671 | 8.9 | 14,137 | 15,149 | 16,266 | 18 |
| Accomack..... | 322 | 355 | 386 | 8.7 | 10,330 | 11,290 | 11,942 | 74 | Alleghany, Clifton Frg + Covington..... | 285 | 294 | 311 | 5.8 | 10,671 | 11,011 | 11,879 | 76 |
| Amelia..... | 92 | 101 | 107 | 5.9 | 10,963 | 11,954 | 12,568 | 61 | Augusta, Staunton + Waynesboro..... | 1,079 | 1,162 | 1,266 | 9.0 | 11,871 | 12,714 | 13,629 | 44 |
| Amherst..... | 264 | 286 | 307 | 7.3 | 9,079 | 9,895 | 10,597 | 96 | Bedford + Bedford City..... | 572 | 616 | 680 | 10.0 | 12,834 | 13,623 | 14,541 | 36 |
| Appomattox..... | 127 | 138 | 149 | 8.0 | 10,307 | 11,183 | 11,976 | 71 | Campbell + Lynchburg..... | 1,359 | 1,427 | 1,530 | 7.2 | 11,815 | 12,502 | 13,447 | 46 |
| Arlington..... | 3,770 | 4,000 | 4,336 | 8.4 | 23,960 | 25,333 | 27,243 | 1 | Carroll + Galax..... | 311 | 330 | 355 | 7.6 | 8,962 | 9,645 | 10,426 | 97 |
| Bath..... | 74 | 74 | 74 | 0 | 13,877 | 14,162 | 14,748 | 31 | Danville, Col. Hts + Petersburg..... | 900 | 939 | 1,013 | 7.9 | 11,434 | 11,913 | 12,743 | 58 |
| Bland..... | 60 | 63 | 69 | 9.5 | 9,273 | 9,805 | 10,601 | 95 | Fairfax, Fairfax City + Falls Church..... | 15,623 | 17,270 | 19,116 | 10.7 | 21,691 | 23,163 | 24,839 | 3 |
| Botetourt..... | 303 | 326 | 353 | 8.3 | 12,480 | 13,280 | 14,218 | 38 | Frederick + Winchester..... | 685 | 768 | 850 | 10.7 | 12,044 | 13,242 | 14,104 | 40 |
| Brunswick..... | 151 | 158 | 171 | 8.2 | 9,392 | 9,973 | 10,687 | 93 | Greensville + Emporia..... | 159 | 169 | 178 | 5.3 | 10,456 | 11,212 | 11,964 | 72 |
| Buchanan..... | 357 | 369 | 390 | 5.7 | 9,726 | 10,240 | 11,020 | 87 | Halifax + South Boston..... | 366 | 394 | 421 | 6.9 | 9,849 | 10,734 | 11,522 | 82 |
| Buckingham..... | 115 | 125 | 136 | 8.8 | 9,273 | 10,078 | 10,746 | 92 | Henry + Martinsville..... | 883 | 940 | 1,012 | 7.7 | 11,740 | 12,485 | 13,302 | 51 |
| Caroline..... | 215 | 232 | 247 | 6.5 | 11,410 | 12,205 | 12,849 | 55 | James City + Williamsburg..... | 494 | 558 | 611 | 9.5 | 13,430 | 14,859 | 15,577 | 21 |
| Charles City..... | 76 | 81 | 88 | 8.6 | 11,507 | 12,323 | 13,589 | 45 | Montgomery + Radford..... | 830 | 887 | 963 | 8.6 | 10,557 | 11,252 | 12,056 | 69 |
| Charlotte..... | 116 | 122 | 129 | 5.7 | 9,799 | 10,338 | 11,007 | 88 | Pittsylvania + Danville..... | 1,223 | 1,277 | 1,365 | 6.9 | 11,037 | 11,629 | 12,510 | 64 |
| Chesterfield..... | 2,582 | 2,860 | 3,218 | 12.5 | 15,687 | 16,761 | 17,970 | 11 | Prince George + Hopewell..... | 487 | 504 | 541 | 7.3 | 9,756 | 10,019 | 10,784 | 91 |
| Clarke..... | 175 | 193 | 216 | 11.9 | 17,181 | 18,532 | 20,141 | 5 | Pr. William, Manassas + Manassas Park..... | 3,008 | 3,397 | 3,820 | 12.5 | 15,329 | 16,700 | 17,925 | 12 |
| Craig..... | 43 | 47 | 51 | 8.5 | 10,414 | 11,423 | 12,309 | 65 | Roanoke + Salem..... | 1,436 | 1,531 | 1,655 | 8.1 | 14,715 | 15,590 | 16,672 | 14 |
| Culpeper..... | 303 | 337 | 376 | 11.6 | 12,694 | 13,815 | 15,032 | 26 | Rockbridge, Buena Vista + Lexington..... | 319 | 342 | 367 | 7.3 | 10,260 | 11,007 | 11,788 | 79 |
| Cumberland..... | 73 | 77 | 83 | 7.8 | 9,198 | 9,749 | 10,099 | 101 | Rockingham + Harrisonburg..... | 888 | 992 | 1,068 | 7.7 | 11,119 | 12,336 | 12,971 | 52 |
| Dickenson..... | 207 | 209 | 212 | 1.4 | 10,342 | 10,566 | 10,865 | 89 | Southampton + Franklin..... | 249 | 267 | 275 | 3.0 | 9,818 | 10,338 | 10,673 | 94 |
| Essex..... | 102 | 112 | 123 | 9.8 | 11,511 | 12,602 | 13,774 | 42 | Spotsylvania + Fredricksburg..... | 726 | 812 | 909 | 11.9 | 12,920 | 13,921 | 14,816 | 29 |
| Fauquier..... | 715 | 797 | 893 | 12.0 | 17,735 | 18,885 | 20,106 | 6 | Washington + Bristol..... | 700 | 738 | 786 | 6.5 | 10,770 | 11,331 | 12,031 | 70 |
| Floyd..... | 127 | 135 | 146 | 8.1 | 10,811 | 11,473 | 12,264 | 66 | Wise + Norton..... | 533 | 547 | 577 | 5.5 | 10,720 | 11,133 | 11,914 | 75 |
| Fluvanna..... | 111 | 127 | 140 | 10.2 | 10,404 | 11,235 | 11,953 | 73 | York + Poquoson..... | 720 | 795 | 864 | 8.7 | 14,490 | 15,862 | 16,619 | 16 |
| Franklin..... | 393 | 421 | 457 | 8.6 | 10,654 | 10,621 | 11,367 | 85 | Washington..... | 62,032 | 66,470 | 70,993 | 6.8 | 14,073 | 14,894 | 15,642 | ..... |
| Giles..... | 183 | 193 | 203 | 5.2 | 10,392 | 11,015 | 11,741 | 80 | Metropolitan portion..... | 51,751 | 55,567 | 59,503 | 7.1 | 14,513 | 15,366 | 16,149 | ..... |
| Gloucester..... | 322 | 358 | 392 | 9.5 | 12,214 | 12,771 | 13,337 | 50 | Nonmetropolitan portion..... | 10,281 | 10,903 | 11,490 | 5.4 | 12,212 | 12,878 | 13,456 | ..... |
| Goochland..... | 208 | 224 | 246 | 9.8 | 16,462 | 17,624 | 18,967 | 8 | Adams..... | 184 | 196 | 198 | 1.0 | 13,409 | 14,274 | 14,315 | 12 |
| Grayson..... | 148 | 155 | 165 | 6.5 | 8,936 | 9,412 | 10,121 | 100 | Asottun..... | 201 | 208 | 219 | 5.3 | 11,611 | 11,992 | 12,820 | 30 |
| Greene..... | 86 | 94 | 103 | 9.6 | 10,016 | 10,830 | 11,611 | 81 | Benton..... | 1,473 | 1,554 | 1,642 | 5.7 | 13,186 | 13,871 | 14,491 | 9 |
| Hanover..... | 855 | 949 | 1,054 | 11.1 | 16,095 | 17,484 | 18,702 | 9 | Chelan..... | 647 | 697 | 741 | 6.3 | 13,117 | 14,045 | 14,938 | 7 |
| Henrico..... | 3,323 | 3,588 | 3,955 | 10.2 | 17,118 | 18,304 | 19,785 | 7 | Chatham..... | 672 | 702 | 748 | 6.6 | 12,713 | 13,070 | 13,650 | 20 |
| Highland..... | 24 | 26 | 28 | 7.7 | 8,278 | 9,482 | 10,844 | 90 | Clark..... | 2,584 | 2,742 | 2,946 | 7.4 | 12,484 | 13,009 | 13,661 | 18 |
| Isle of Wight..... | 314 | 343 | 370 | 7.9 | 13,213 | 14,081 | 14,745 | 32 | Columbia..... | 58 | 65 | 66 | 1.5 | 14,067 | 15,668 | 16,535 | 5 |
| King and Queen..... | 64 | 72 | 76 | 5.6 | 10,350 | 11,460 | 12,063 | 68 | Cowltz..... | 962 | 1,006 | 1,070 | 6.6 | 12,129 | 12,833 | 13,530 | 22 |
| King George..... | 156 | 170 | 186 | 9.4 | 13,545 | 14,164 | 15,276 | 23 | Douglas..... | 293 | 330 | 362 | 9.1 | 12,109 | 13,508 | 14,477 | 10 |
| King William..... | 132 | 142 | 156 | 9.9 | 13,194 | 13,976 | 15,121 | 24 | Ferry..... | 50 | 54 | 58 | 7.4 | 8,574 | 9,192 | 9,725 | 39 |
| Lancaster..... | 154 | 167 | 184 | 10.2 | 14,183 | 15,271 | 16,635 | 15 | Franklin..... | 409 | 432 | 456 | 5.6 | 11,350 | 11,851 | 12,537 | 32 |
| Lee..... | 223 | 227 | 240 | 5.7 | 8,397 | 8,647 | 9,186 | 104 | Garfield..... | 40 | 43 | 48 | 11.6 | 16,202 | 17,295 | 19,799 | 1 |
| Loudoun..... | 1,241 | 1,414 | 1,597 | 12.9 | 19,329 | 20,912 | 22,329 | 4 | Grant..... | 602 | 647 | 662 | 2.3 | 11,529 | 12,158 | 12,465 | 33 |
| Louisia..... | 206 | 228 | 252 | 10.5 | 10,874 | 11,929 | 12,794 | 57 | Grays Harbor..... | 779 | 795 | 838 | 5.4 | 12,366 | 12,737 | 13,484 | 25 |
| Lunenburg..... | 108 | 112 | 120 | 7.1 | 8,880 | 9,159 | 9,873 | 103 | Island..... | 622 | 666 | 712 | 6.9 | 12,793 | 13,259 | 13,724 | 17 |
| Madison..... | 114 | 125 | 139 | 11.2 | 10,766 | 11,618 | 12,738 | 60 | Jefferson..... | 227 | 247 | 263 | 6.5 | 12,703 | 13,296 | 13,879 | 16 |
| Mathews..... | 113 | 122 | 130 | 6.6 | 13,146 | 14,091 | 14,764 | 30 | King..... | 23,445 | 25,336 | 27,146 | 7.1 | 17,386 | 18,562 | 19,511 | 2 |
| Mecklenburg..... | 307 | 322 | 353 | 9.6 | 10,306 | 10,860 | 11,840 | 78 | Kitsap..... | 2,232 | 2,318 | 2,503 | 8.0 | 13,370 | 13,739 | 14,361 | 11 |
| Middlesex..... | 112 | 123 | 132 | 7.3 | 13,242 | 14,452 | 15,346 | 22 | Kittitas..... | 286 | 299 | 311 | 4.0 | 11,527 | 12,161 | 12,310 | 35 |
| Nelson..... | 136 | 148 | 162 | 9.5 | 10,926 | 11,963 | 12,891 | 54 | Klickitat..... | 189 | 201 | 207 | 3.0 | 11,400 | 12,427 | 13,003 | 27 |
| New Kent..... | 137 | 152 | 169 | 11.2 | 13,558 | 14,719 | 15,855 | 20 | Lewis..... | 657 | 687 | 727 | 5.8 | 11,398 | 11,824 | 12,405 | 34 |
| Northampton..... | 129 | 141 | 151 | 7.1 | | | | | | | | | | | | | |

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1985-87—Continued

| Area name | Total personal income | | | | Per capita personal income ¹ | | | | Area name | Total personal income | | | | Per capita personal income ¹ | | | |
|-------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|---------------------------|-----------------------|--------|--------|-----------------------------|---|--------|--------|---------------|
| | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State | | Millions of dollars | | | Percent change ² | Dollars | | | Rank in State |
| | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | | | 1985 | 1986 | 1987 | | 1985 | 1986 | 1987 | |
| Walla Walla | 629 | 677 | 697 | 3.0 | 13,169 | 14,132 | 14,693 | 8 | Dunn | 343 | 370 | 393 | 6.2 | 9,786 | 10,584 | 11,254 | 56 |
| Whitcom | 1,339 | 1,444 | 1,563 | 8.2 | 11,879 | 12,705 | 13,595 | 21 | Eau Claire | 958 | 1,026 | 1,097 | 6.9 | 11,577 | 12,352 | 13,111 | 31 |
| Whitman | 493 | 516 | 539 | 4.5 | 12,297 | 12,847 | 13,095 | 26 | Florence | 41 | 42 | 44 | 4.8 | 10,002 | 10,530 | 11,041 | 63 |
| Yakima | 2,047 | 2,209 | 2,354 | 6.6 | 11,226 | 12,091 | 12,878 | 29 | Fond du Lac | 1,145 | 1,207 | 1,277 | 5.8 | 12,677 | 13,478 | 14,209 | 19 |
| West Virginia | 19,504 | 20,229 | 20,860 | 3.1 | 10,068 | 10,549 | 10,992 | ..... | Forest | 78 | 81 | 87 | 3.8 | 8,379 | 8,515 | 8,837 | 71 |
| Metropolitan portion | 8,083 | 8,360 | 8,644 | 3.4 | 11,376 | 11,993 | 12,548 | ..... | Grant | 562 | 602 | 652 | 8.3 | 10,899 | 11,712 | 12,665 | 36 |
| Nonmetropolitan portion | 11,421 | 11,869 | 12,216 | 2.9 | 9,311 | 9,724 | 10,106 | ..... | Green | 408 | 434 | 468 | 7.8 | 13,320 | 14,111 | 15,213 | 10 |
| Barbour | 134 | 135 | 135 | 0 | 8,025 | 8,458 | 8,521 | 47 | Green Lake | 226 | 241 | 254 | 5.4 | 11,820 | 12,765 | 13,483 | 25 |
| Berkeley | 523 | 582 | 631 | 8.4 | 10,354 | 11,171 | 11,738 | 7 | Iowa | 210 | 230 | 251 | 9.1 | 10,228 | 11,298 | 12,331 | 42 |
| Boone | 320 | 333 | 340 | 2.1 | 10,644 | 11,187 | 11,561 | 11 | Iron | 59 | 61 | 64 | 4.9 | 9,414 | 9,657 | 10,095 | 70 |
| Braxton | 122 | 131 | 132 | .8 | 8,242 | 8,891 | 9,090 | 38 | Jackson | 173 | 180 | 190 | 5.6 | 10,497 | 10,941 | 11,656 | 50 |
| Brooke | 285 | 300 | 310 | 3.3 | 9,528 | 10,295 | 10,818 | 18 | Jefferson | 823 | 873 | 930 | 6.5 | 12,249 | 12,810 | 13,509 | 24 |
| Cabell | 1,209 | 1,245 | 1,295 | 4.0 | 11,366 | 12,007 | 12,721 | 4 | Juneau | 222 | 235 | 254 | 8.1 | 10,408 | 11,016 | 11,825 | 49 |
| Calhoun | 56 | 58 | 60 | 3.4 | 6,825 | 6,766 | 7,015 | 54 | Kenosha | 1,640 | 1,694 | 1,827 | 7.9 | 13,550 | 14,279 | 15,261 | 8 |
| Clay | 71 | 73 | 74 | 1.4 | 6,223 | 6,404 | 6,607 | 55 | Kewaunee | 233 | 253 | 269 | 6.3 | 11,640 | 12,752 | 13,551 | 23 |
| Doddridge | 59 | 61 | 63 | 3.3 | 7,766 | 8,251 | 8,575 | 46 | La Crosse | 1,207 | 1,276 | 1,363 | 6.8 | 12,813 | 13,544 | 14,393 | 16 |
| Fayette | 453 | 458 | 461 | .7 | 8,022 | 8,392 | 8,630 | 45 | Lafayette | 178 | 194 | 211 | 8.8 | 10,332 | 11,504 | 12,931 | 34 |
| Gilmer | 66 | 68 | 68 | 0 | 7,740 | 8,465 | 8,789 | 42 | Langlade | 206 | 209 | 222 | 6.2 | 10,401 | 10,519 | 11,228 | 57 |
| Grant | 97 | 107 | 112 | 4.7 | 9,881 | 9,931 | 10,285 | 25 | Lincoln | 290 | 310 | 328 | 5.8 | 10,379 | 10,897 | 11,499 | 51 |
| Greenbrier | 329 | 359 | 374 | 4.2 | 8,478 | 9,923 | 10,478 | 22 | Manitowoc | 992 | 1,041 | 1,079 | 3.7 | 12,010 | 12,816 | 13,333 | 28 |
| Hampshire | 140 | 157 | 167 | 6.4 | 8,696 | 9,991 | 10,511 | 21 | Marathon | 1,309 | 1,398 | 1,499 | 7.2 | 11,606 | 12,593 | 13,448 | 26 |
| Hancock | 449 | 476 | 494 | 3.8 | 11,168 | 12,545 | 13,124 | 3 | Marinette | 452 | 475 | 502 | 5.7 | 11,098 | 11,449 | 12,000 | 48 |
| Hardy | 96 | 114 | 118 | 3.5 | 9,725 | 10,964 | 11,259 | 14 | Marquette | 126 | 136 | 146 | 7.4 | 9,997 | 10,617 | 11,313 | 55 |
| Harrison | 835 | 856 | 885 | 3.4 | 10,959 | 11,313 | 11,832 | 6 | Millwaukee | 13,744 | 14,205 | 14,954 | 5.3 | 14,660 | 15,189 | 16,050 | 4 |
| Jackson | 239 | 245 | 253 | 3.3 | 9,058 | 9,498 | 9,846 | 31 | Monroe | 370 | 393 | 422 | 7.4 | 10,162 | 10,731 | 11,454 | 52 |
| Jefferson | 319 | 360 | 392 | 8.9 | 9,698 | 10,702 | 11,393 | 12 | Oconto | 319 | 330 | 347 | 5.2 | 10,620 | 10,863 | 11,352 | 54 |
| Kanawha | 2,880 | 2,961 | 3,029 | 2.3 | 12,652 | 13,270 | 13,773 | 1 | Oneida | 369 | 389 | 412 | 5.9 | 11,714 | 12,261 | 12,944 | 33 |
| Lewis | 174 | 174 | 177 | 1.7 | 9,206 | 9,420 | 9,765 | 32 | Outagamie | 1,727 | 1,846 | 1,971 | 6.8 | 12,844 | 13,750 | 14,512 | 15 |
| Lincoln | 164 | 169 | 177 | 4.7 | 7,726 | 7,147 | 7,494 | 52 | Ozaukee | 1,206 | 1,305 | 1,398 | 7.1 | 17,629 | 18,721 | 19,706 | 1 |
| Logan | 454 | 464 | 476 | 2.6 | 9,025 | 9,366 | 9,685 | 33 | Pepin | 78 | 85 | 90 | 5.9 | 10,628 | 11,627 | 12,323 | 43 |
| McDowell | 372 | 370 | 332 | -10.3 | 8,002 | 8,242 | 7,657 | 51 | Pierce | 393 | 422 | 457 | 8.3 | 11,697 | 12,431 | 13,310 | 29 |
| Marion | 670 | 674 | 692 | 2.7 | 10,304 | 10,502 | 10,928 | 16 | Polk | 380 | 411 | 432 | 5.1 | 11,088 | 11,922 | 12,408 | 39 |
| Marshall | 389 | 401 | 417 | 4.0 | 9,702 | 10,188 | 10,677 | 20 | Portage | 691 | 721 | 770 | 6.8 | 11,876 | 12,257 | 13,060 | 32 |
| Mason | 229 | 235 | 243 | 3.4 | 8,789 | 8,924 | 9,312 | 37 | Price | 179 | 192 | 203 | 5.7 | 10,638 | 11,619 | 12,341 | 41 |
| Mercer | 779 | 805 | 836 | 3.9 | 10,927 | 11,057 | 11,661 | 8 | Racine | 2,404 | 2,507 | 2,655 | 5.9 | 14,008 | 14,575 | 15,344 | 7 |
| Mineral | 262 | 284 | 299 | 5.3 | 9,434 | 10,467 | 10,992 | 15 | Richland | 170 | 178 | 190 | 6.7 | 9,925 | 10,316 | 10,939 | 64 |
| Mingo | 341 | 358 | 369 | 3.1 | 9,198 | 9,639 | 10,160 | 26 | Rock | 1,787 | 1,844 | 1,920 | 4.1 | 12,919 | 13,482 | 14,229 | 18 |
| Monongalia | 812 | 854 | 889 | 4.1 | 10,381 | 11,143 | 11,659 | 9 | Rusk | 145 | 154 | 165 | 7.1 | 9,230 | 9,774 | 10,503 | 67 |
| Monroe | 105 | 114 | 119 | 4.4 | 8,636 | 8,920 | 9,352 | 35 | St. Croix | 629 | 694 | 753 | 8.5 | 13,762 | 14,633 | 15,660 | 5 |
| Morgan | 111 | 124 | 132 | 6.5 | 10,957 | 10,788 | 11,352 | 13 | Sauk | 534 | 579 | 625 | 7.9 | 11,785 | 12,868 | 13,573 | 22 |
| Nicholas | 262 | 264 | 275 | 4.2 | 9,231 | 9,463 | 9,878 | 30 | Sawyer | 134 | 140 | 147 | 5.0 | 9,569 | 9,911 | 10,321 | 69 |
| Ohio | 710 | 729 | 754 | 3.4 | 11,992 | 12,549 | 13,208 | 2 | Sheboygan | 1,383 | 1,461 | 1,549 | 6.0 | 13,463 | 14,367 | 15,159 | 11 |
| Pendleton | 65 | 73 | 74 | 1.4 | 8,286 | 9,175 | 9,335 | 36 | Taylor | 196 | 217 | 228 | 5.1 | 10,330 | 11,618 | 12,222 | 46 |
| Pleasants | 78 | 82 | 81 | -1.2 | 9,617 | 10,547 | 10,456 | 23 | Trempealeau | 277 | 298 | 320 | 7.4 | 10,577 | 11,461 | 12,295 | 44 |
| Pocahontas | 85 | 92 | 96 | 4.3 | 8,777 | 9,701 | 10,421 | 24 | Vernon | 259 | 276 | 298 | 8.0 | 9,689 | 10,361 | 11,108 | 60 |
| Preston | 246 | 260 | 269 | 3.5 | 8,086 | 8,478 | 8,797 | 41 | Vilas | 188 | 198 | 210 | 6.1 | 10,781 | 11,558 | 12,123 | 47 |
| Pumam | 437 | 462 | 480 | 3.9 | 10,524 | 11,302 | 11,617 | 10 | Walworth | 931 | 988 | 1,056 | 6.9 | 13,063 | 13,724 | 14,550 | 13 |
| Raleigh | 869 | 881 | 903 | 2.5 | 10,129 | 10,394 | 10,854 | 17 | Washington | 139 | 146 | 154 | 5.5 | 10,091 | 10,608 | 11,103 | 61 |
| Randolph | 276 | 280 | 284 | 1.4 | 9,659 | 9,719 | 10,000 | 27 | Washington | 1,214 | 1,317 | 1,410 | 7.1 | 13,727 | 14,763 | 15,527 | 6 |
| Ritchie | 96 | 99 | 101 | 2.0 | 8,486 | 8,699 | 9,008 | 39 | Waukesha | 4,698 | 5,045 | 5,418 | 7.4 | 16,464 | 17,405 | 18,320 | 2 |
| Rouse | 127 | 132 | 135 | 2.3 | 8,196 | 8,578 | 8,764 | 43 | Waupaca | 534 | 570 | 606 | 6.3 | 12,032 | 12,643 | 13,275 | 30 |
| Summers | 107 | 110 | 113 | 2.7 | 7,359 | 7,979 | 8,226 | 53 | Wausaha | 220 | 229 | 243 | 6.1 | 11,323 | 11,777 | 12,605 | 38 |
| Taylor | 134 | 135 | 137 | 1.5 | 8,141 | 8,345 | 8,650 | 44 | Winneshago | 1,815 | 1,907 | 2,027 | 6.3 | 13,393 | 14,042 | 14,841 | 12 |
| Tucker | 74 | 78 | 81 | 3.8 | 8,599 | 9,444 | 9,883 | 29 | Wood | 1,004 | 1,071 | 1,131 | 5.6 | 12,890 | 13,616 | 14,357 | 17 |
| Tyler | 103 | 105 | 107 | 1.9 | 9,239 | 9,746 | 9,972 | 28 | Shawano (incl. Menominee) | 388 | 430 | 462 | 7.4 | 9,710 | 10,466 | 11,161 | 59 |
| Upshur | 207 | 211 | 213 | 0.9 | 8,296 | 8,743 | 8,972 | 40 | Wyoming | 6,537 | 6,451 | 6,230 | -3.4 | 12,826 | 12,715 | 12,706 | ..... |
| Wayne | 395 | 403 | 420 | 4.2 | 8,798 | 8,963 | 9,468 | 34 | Metropolitan portion | 2,037 | 2,000 | 1,963 | -2.0 | 13,973 | 13,704 | 13,788 | ..... |
| Webster | 85 | 88 | 89 | 1.1 | 7,086 | 7,566 | 7,800 | 50 | Nonmetropolitan portion | 4,500 | 4,451 | 4,269 | -4.1 | 12,366 | 12,316 | 12,264 | ..... |
| Wetzel | 219 | 220 | 227 | 3.2 | 9,981 | 10,314 | 10,799 | 19 | Albany | 347 | 352 | 350 | -6 | 11,781 | 12,006 | 12,033 | 16 |
| Wirt | 39 | 40 | 41 | 2.5 | 8,589 | 7,696 | 7,979 | 49 | Big Horn | 119 | 115 | 117 | 1.7 | 9,581 | 9,336 | 9,786 | 23 |
| Wood | 1,058 | 1,100 | 1,147 | 4.3 | 11,822 | 11,853 | 12,479 | 5 | Campbell | 547 | 498 | 465 | -6.6 | 14,991 | 13,520 | 13,761 | 3 |
| Wyoming | 277 | 277 | 283 | 2.2 | 7,824 | 8,064 | 8,415 | 48 | Carbon | 256 | 245 | 233 | -4.9 | 12,709 | 12,628 | 12,478 | 11 |
| Wisconsin | 62,900 | 66,537 | 70,767 | 6.4 | 13,170 | 13,913 | 14,723 | ..... | Converse | 163 | 165 | 156 | -5.5 | 11,386 | 11,966 | 12,183 | 14 |
| Metropolitan portion | 44,790 | 47,258 | 50,263 | 6.4 | 14,104 | 14,868 | 15,722 | ..... | Crook | 71 | 71 | 74 | 4.2 | 11,765 | 11,869 | 12,573 | 10 |
| Nonmetropolitan portion | 18,110 | 19,279 | 20,504 | 6.4 | 11,318 | 12,020 | 12,738 | ..... | Fremont | 370 | 361 | 361 | 0 | 10,144 | 10,138 | 10,344 | 21 |
| Adams | 138 | 140 | 150 | 7.1 | 9,735 | 10,095 | 10,813 | 65 | Goshen | 132 | 137 | 139 | 1.5 | 10,379 | 10,834 | 10,920 | 19 |
| Ashland | 173 | 183 | 190 | 3.8 | 10,194 | 10,815 | 11,202 | 58 | Hot Springs | 72 | 69 | 70 | 1.4 | 11,938 | 11,536 | 12,260 | 13 |
| Barron | 446 | 477 | 506 | 6.1 | 11,004 | 11,751 | 12,342 | 40 | Johnson | 78 | 79 | 79 | 0 | 11,169 | 11,356 | 12,042 | 15 |
| Bayfield | 133 | 141 | 147 | 4.3 | 9,308 | 9,996 | 10,412 | 68 | Laramie | 991 | 1,009 | 1,020 | 1.1 | 13,514 | 13,468 | 13,482 | 4 |
| Brown | 2,520 | 2,705 | 2,868 | 6.0 | 13,614 | 14,487 | 15,223 | 9 | Lincoln | 241 | 240 | 165 | -31.3 | 15,650 | 15,372 | 10,996 | 18 |
| Buffalo | 160 | 176 | 187 | 6.3 | 11,040 | 12,073 | 12,917 | 35 | Natrona | 1,046 | 990 | 941 | -4.9 | 14 | | | |

State Personal Income, Summary Estimates for Fourth Quarter and Year 1988

Table 1.—Total Personal Income, States and Regions

(Millions of dollars, seasonally adjusted at annual rates)

| State and region | 1985 | | | | 1986 | | | | 1987 | | | | 1988 | | | | Percent change | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| | I* | II* | III* | IV* | I* | II* | III* | IV* | I* | II* | III* | IV* | I* | II* | III* | IV* | 1988.III-1988.IV | 1987.IV-1988.IV |
| United States¹ | 3,255,272 | 3,299,827 | 3,323,924 | 3,391,157 | 3,452,122 | 3,508,300 | 3,537,997 | 3,590,393 | 3,664,374 | 3,722,315 | 3,786,079 | 3,902,016 | 3,922,767 | 3,995,275 | 4,077,502 | 4,172,895 | 2.3 | 6.9 |
| New England | 197,174 | 200,210 | 202,654 | 207,907 | 212,099 | 216,484 | 220,122 | 225,580 | 229,325 | 234,559 | 241,135 | 248,562 | 251,554 | 255,825 | 261,997 | 268,581 | 2.5 | 8.1 |
| Connecticut..... | 56,538 | 57,403 | 58,083 | 59,540 | 60,517 | 61,838 | 62,569 | 64,564 | 65,482 | 67,060 | 68,682 | 71,058 | 71,809 | 72,578 | 74,435 | 76,266 | 2.5 | 7.3 |
| Maine..... | 13,664 | 13,731 | 13,829 | 14,201 | 14,368 | 14,922 | 15,239 | 15,607 | 15,929 | 16,333 | 16,790 | 17,282 | 17,449 | 17,798 | 18,279 | 18,732 | 2.5 | 8.4 |
| Massachusetts..... | 92,632 | 94,160 | 95,288 | 97,749 | 99,579 | 101,527 | 103,470 | 105,835 | 107,453 | 109,737 | 112,926 | 116,146 | 117,867 | 119,997 | 122,592 | 125,695 | 2.5 | 8.2 |
| New Hampshire..... | 14,842 | 15,139 | 15,446 | 15,935 | 16,317 | 16,919 | 17,192 | 17,558 | 18,046 | 18,510 | 19,185 | 19,922 | 20,106 | 20,513 | 21,109 | 21,712 | 2.9 | 9.0 |
| Rhode Island..... | 13,061 | 13,225 | 13,332 | 13,663 | 13,903 | 14,165 | 14,387 | 14,629 | 14,883 | 15,179 | 15,609 | 16,014 | 16,130 | 16,530 | 16,920 | 17,236 | 1.9 | 7.0 |
| Vermont..... | 6,438 | 6,551 | 6,676 | 6,819 | 7,015 | 7,111 | 7,245 | 7,387 | 7,532 | 7,740 | 7,943 | 8,139 | 8,193 | 8,389 | 8,662 | 8,939 | 3.2 | 9.8 |
| Mideast | 650,633 | 659,960 | 667,497 | 681,050 | 693,664 | 703,045 | 714,373 | 725,286 | 739,925 | 754,224 | 769,859 | 792,526 | 801,785 | 810,512 | 831,761 | 850,395 | 2.2 | 7.3 |
| Delaware..... | 8,910 | 9,055 | 9,366 | 9,666 | 9,515 | 9,679 | 9,844 | 10,024 | 10,181 | 10,475 | 10,782 | 11,088 | 11,213 | 11,490 | 11,915 | 12,111 | 1.6 | 9.2 |
| District of Columbia..... | 10,923 | 10,999 | 11,126 | 11,373 | 11,433 | 11,540 | 11,743 | 11,981 | 12,006 | 12,292 | 12,579 | 13,022 | 12,845 | 13,248 | 13,634 | 13,999 | 2.7 | 7.5 |
| Maryland..... | 68,614 | 69,629 | 70,443 | 71,930 | 73,525 | 74,915 | 76,083 | 77,712 | 79,597 | 81,340 | 83,053 | 85,672 | 86,959 | 87,851 | 90,823 | 93,135 | 2.5 | 8.7 |
| New Jersey..... | 130,101 | 132,461 | 133,834 | 136,939 | 139,995 | 142,226 | 144,772 | 147,077 | 151,095 | 153,305 | 157,101 | 162,137 | 164,516 | 165,664 | 170,731 | 174,780 | 2.4 | 7.8 |
| New York..... | 273,836 | 277,788 | 281,693 | 287,748 | 292,758 | 296,195 | 301,102 | 305,782 | 311,195 | 315,353 | 323,452 | 332,672 | 337,092 | 340,990 | 347,979 | 355,640 | 2.2 | 6.9 |
| Pennsylvania..... | 158,249 | 160,027 | 161,307 | 163,695 | 166,439 | 168,490 | 170,829 | 172,710 | 175,851 | 179,456 | 182,891 | 187,936 | 189,159 | 191,269 | 196,678 | 200,729 | 2.1 | 6.8 |
| Great Lakes | 560,485 | 568,082 | 570,691 | 582,449 | 590,171 | 602,951 | 604,086 | 611,282 | 623,858 | 628,279 | 638,472 | 659,305 | 664,052 | 671,859 | 686,166 | 702,539 | 2.4 | 6.6 |
| Illinois..... | 167,149 | 169,678 | 169,946 | 173,099 | 174,640 | 180,256 | 179,496 | 181,670 | 186,142 | 186,949 | 190,015 | 197,705 | 199,986 | 200,558 | 204,345 | 207,832 | 1.7 | 5.1 |
| Indiana..... | 67,187 | 68,276 | 68,365 | 69,522 | 70,938 | 72,808 | 72,508 | 73,482 | 75,317 | 75,849 | 77,074 | 80,075 | 81,137 | 82,891 | 83,321 | 84,321 | 1.4 | 4.1 |
| Michigan..... | 124,536 | 125,620 | 127,432 | 131,412 | 133,127 | 135,269 | 135,826 | 137,264 | 139,451 | 140,365 | 142,151 | 145,766 | 147,290 | 148,939 | 153,699 | 159,672 | 3.9 | 9.5 |
| Ohio..... | 139,653 | 141,618 | 142,020 | 144,595 | 146,340 | 148,225 | 149,112 | 151,080 | 154,009 | 155,397 | 158,159 | 162,424 | 162,676 | 166,477 | 169,861 | 174,363 | 2.7 | 7.4 |
| Wisconsin..... | 61,959 | 62,890 | 62,928 | 63,822 | 65,127 | 66,393 | 66,843 | 67,786 | 68,939 | 69,719 | 71,073 | 73,336 | 73,145 | 74,248 | 75,369 | 77,351 | 2.6 | 5.5 |
| Plains | 229,356 | 234,911 | 231,107 | 235,997 | 237,406 | 250,823 | 244,919 | 250,109 | 256,998 | 256,020 | 256,682 | 272,674 | 271,867 | 274,565 | 273,716 | 279,643 | 2.2 | 2.6 |
| Iowa..... | 35,720 | 37,549 | 35,567 | 36,032 | 36,463 | 39,692 | 38,016 | 37,896 | 40,257 | 38,859 | 38,606 | 43,593 | 42,726 | 41,432 | 41,423 | 41,423 | 0.0 | -5.0 |
| Kansas..... | 33,343 | 33,732 | 33,649 | 34,551 | 34,398 | 35,783 | 35,709 | 36,898 | 36,823 | 37,325 | 37,132 | 38,724 | 38,632 | 39,795 | 39,263 | 40,555 | 3.3 | 4.7 |
| Minnesota..... | 58,238 | 59,561 | 59,104 | 60,207 | 61,156 | 63,892 | 63,207 | 64,304 | 66,267 | 66,260 | 67,228 | 70,377 | 71,039 | 71,396 | 72,852 | 73,853 | 1.4 | 4.9 |
| Missouri..... | 65,398 | 66,444 | 66,973 | 68,102 | 69,316 | 70,325 | 70,844 | 71,707 | 73,326 | 73,929 | 74,925 | 77,117 | 77,241 | 78,950 | 79,986 | 82,241 | 2.8 | 6.6 |
| Nebraska..... | 20,532 | 21,705 | 20,252 | 20,723 | 20,578 | 23,280 | 21,098 | 21,592 | 22,575 | 22,151 | 21,895 | 24,562 | 24,004 | 24,910 | 23,978 | 24,328 | 1.5 | -1.0 |
| North Dakota..... | 8,337 | 7,946 | 7,919 | 8,527 | 7,700 | 9,016 | 7,871 | 9,120 | 8,965 | 8,693 | 8,250 | 8,985 | 8,648 | 7,717 | 8,371 | 8,513 | 8.5 | -6.3 |
| South Dakota..... | 7,767 | 7,976 | 7,644 | 7,855 | 7,794 | 8,836 | 8,174 | 8,592 | 8,785 | 8,802 | 8,644 | 9,371 | 9,240 | 9,068 | 8,486 | 8,872 | 4.5 | -3.3 |
| Southeast | 667,828 | 676,990 | 683,146 | 696,260 | 713,948 | 721,348 | 731,599 | 741,895 | 758,804 | 773,389 | 789,496 | 811,460 | 814,078 | 835,676 | 853,647 | 873,587 | 2.3 | 7.7 |
| Alabama..... | 42,261 | 42,822 | 43,059 | 43,963 | 45,190 | 45,396 | 46,049 | 46,472 | 47,431 | 48,176 | 49,148 | 50,369 | 50,192 | 51,783 | 52,576 | 53,526 | 1.8 | 7.3 |
| Arkansas..... | 25,141 | 24,591 | 24,619 | 25,001 | 26,143 | 25,886 | 26,232 | 26,513 | 27,289 | 27,384 | 27,545 | 28,002 | 28,280 | 29,900 | 29,646 | 30,087 | 1.5 | 6.4 |
| Florida..... | 154,131 | 157,457 | 159,289 | 162,771 | 166,778 | 169,526 | 172,482 | 175,482 | 179,830 | 184,547 | 189,329 | 195,804 | 195,798 | 201,422 | 207,936 | 214,011 | 2.9 | 9.3 |
| Georgia..... | 73,188 | 74,583 | 75,997 | 77,809 | 80,039 | 81,222 | 82,792 | 84,483 | 85,966 | 87,924 | 89,966 | 92,535 | 92,421 | 94,888 | 96,915 | 99,326 | 2.5 | 7.3 |
| Kentucky..... | 39,451 | 40,117 | 40,141 | 40,699 | 41,363 | 41,663 | 41,995 | 42,405 | 43,215 | 44,204 | 45,156 | 46,271 | 46,460 | 47,337 | 48,028 | 48,688 | 1.4 | 5.2 |
| Louisiana..... | 50,810 | 50,700 | 50,706 | 50,501 | 51,336 | 50,631 | 50,322 | 49,984 | 50,713 | 50,614 | 51,129 | 52,422 | 52,326 | 53,707 | 54,273 | 55,257 | 1.8 | 5.4 |
| Mississippi..... | 24,243 | 24,047 | 23,673 | 24,703 | 25,327 | 25,323 | 25,464 | 25,573 | 26,698 | 26,710 | 27,197 | 27,548 | 27,882 | 28,846 | 29,119 | 29,651 | 1.8 | 7.8 |
| North Carolina..... | 71,143 | 72,361 | 73,335 | 75,106 | 76,706 | 78,018 | 79,413 | 80,731 | 82,483 | 84,488 | 86,258 | 88,431 | 89,236 | 90,998 | 93,238 | 95,325 | 2.2 | 7.6 |
| South Carolina..... | 35,076 | 35,451 | 35,927 | 36,664 | 37,514 | 38,001 | 38,450 | 39,056 | 39,845 | 40,743 | 41,509 | 42,721 | 42,948 | 44,217 | 45,002 | 46,176 | 2.6 | 8.1 |
| Tennessee..... | 52,445 | 53,323 | 53,746 | 55,033 | 56,177 | 56,956 | 58,081 | 58,987 | 60,651 | 61,615 | 62,846 | 64,977 | 64,946 | 66,665 | 67,903 | 69,419 | 2.2 | 6.8 |
| Virginia..... | 80,636 | 81,968 | 83,003 | 84,487 | 87,188 | 88,606 | 90,046 | 91,869 | 94,177 | 96,261 | 98,526 | 101,059 | 102,065 | 104,442 | 106,975 | 109,614 | 2.5 | 8.5 |
| West Virginia..... | 19,272 | 19,569 | 19,652 | 19,524 | 20,187 | 20,119 | 20,273 | 20,336 | 20,506 | 20,723 | 20,887 | 21,322 | 21,524 | 21,772 | 22,037 | 22,507 | 2.1 | 5.6 |
| Southwest | 314,004 | 316,742 | 318,591 | 323,252 | 329,297 | 328,152 | 326,815 | 326,812 | 334,227 | 337,153 | 341,534 | 348,765 | 348,386 | 357,643 | 361,363 | 370,163 | 2.4 | 6.1 |
| Arizona..... | 39,913 | 40,476 | 41,233 | 42,232 | 43,736 | 44,406 | 45,144 | 46,051 | 46,873 | 47,926 | 48,616 | 50,284 | 50,135 | 51,027 | 52,025 | 53,183 | 2.2 | 5.8 |
| New Mexico..... | 15,991 | 16,198 | 16,256 | 16,509 | 16,784 | 16,899 | 16,965 | 17,058 | 17,298 | 17,700 | 17,895 | 18,294 | 18,160 | 18,778 | 18,956 | 19,472 | 2.7 | 6.4 |
| Oklahoma..... | 40,122 | 40,156 | 40,122 | 40,539 | 40,869 | 40,697 | 39,943 | 40,417 | 40,649 | 40,787 | 41,250 | 41,680 | 42,443 | 43,078 | 43,537 | 44,108 | 1.3 | 5.8 |
| Texas..... | 217,979 | 219,912 | 220,980 | 223,972 | 227,908 | 226,150 | 224,762 | 223,285 | 229,408 | 230,740 | 233,773 | 238,507 | 237,649 | 244,760 | 246,844 | 253,400 | 2.7 | 6.2 |
| Rocky Mountain | 90,311 | 91,254 | 91,480 | 93,042 | 94,170 | 95,172 | 94,714 | 95,662 | 96,584 | 98,194 | 98,805 | 100,652 | 100,379 | 103,010 | 103,979 | 107,052 | 3.0 | 6.4 |
| Colorado..... | 46,787 | 47,440 | 47,575</ | | | | | | | | | | | | | | | |

Table 2.—Nonfarm Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

| State and region | 1985 | | | | 1986 | | | | 1987 | | | | 1988 | | | | Percent change | |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|-----------------|
| | I* | II* | III* | IV* | I* | II* | III* | IV* | I* | II* | III* | IV* | I* | II* | III* | IV* | 1988-III-1988-IV | 1987-IV-1988-IV |
| United States | 3,211,917 | 3,255,765 | 3,293,465 | 3,353,338 | 3,417,106 | 3,455,242 | 3,497,461 | 3,544,816 | 3,611,231 | 3,672,585 | 3,743,588 | 3,848,135 | 3,869,406 | 3,943,241 | 4,040,923 | 4,139,543 | 2.4 | 7.6 |
| New England | 196,573 | 199,583 | 202,110 | 207,288 | 211,507 | 215,907 | 219,379 | 224,837 | 228,660 | 233,760 | 240,348 | 247,902 | 250,951 | 255,202 | 261,334 | 268,023 | 2.6 | 8.1 |
| Connecticut | 56,395 | 57,256 | 57,956 | 59,392 | 60,365 | 61,690 | 62,385 | 64,379 | 65,325 | 66,872 | 68,500 | 70,904 | 71,666 | 72,423 | 74,272 | 76,131 | 2.5 | 7.4 |
| Maine | 13,567 | 13,630 | 13,735 | 14,106 | 14,495 | 14,849 | 15,164 | 15,512 | 15,785 | 16,170 | 16,626 | 17,138 | 17,353 | 17,704 | 18,175 | 18,630 | 2.5 | 8.7 |
| Massachusetts | 92,452 | 93,974 | 95,125 | 97,557 | 99,384 | 101,343 | 103,241 | 105,596 | 107,280 | 109,528 | 112,727 | 115,980 | 117,681 | 119,807 | 122,392 | 125,535 | 2.6 | 8.2 |
| New Hampshire | 14,809 | 15,105 | 15,417 | 15,901 | 16,482 | 16,885 | 17,148 | 17,515 | 18,013 | 18,472 | 19,144 | 19,888 | 20,069 | 20,474 | 21,069 | 21,679 | 2.9 | 9.0 |
| Rhode Island | 13,015 | 13,175 | 13,288 | 13,612 | 13,859 | 14,123 | 14,334 | 14,575 | 14,843 | 15,127 | 15,558 | 15,973 | 16,089 | 16,507 | 16,872 | 17,199 | 1.9 | 7.7 |
| Vermont | 6,334 | 6,443 | 6,589 | 6,719 | 6,921 | 7,018 | 7,106 | 7,261 | 7,413 | 7,590 | 7,793 | 8,019 | 8,093 | 8,286 | 8,554 | 8,849 | 3.4 | 10.3 |
| Mideast | 648,418 | 657,619 | 665,609 | 678,826 | 691,533 | 700,767 | 711,634 | 722,740 | 737,530 | 751,320 | 767,142 | 789,996 | 799,423 | 808,177 | 829,480 | 848,395 | 2.3 | 7.4 |
| Delaware | 8,789 | 8,926 | 8,993 | 9,235 | 9,573 | 9,518 | 9,665 | 9,847 | 10,042 | 10,313 | 10,635 | 10,951 | 11,037 | 11,296 | 11,699 | 12,121 | 1.9 | 8.9 |
| District of Columbia | 10,923 | 10,999 | 11,126 | 11,373 | 11,433 | 11,540 | 11,743 | 11,981 | 12,006 | 12,292 | 12,579 | 13,022 | 12,845 | 13,248 | 13,634 | 13,999 | 2.7 | 7.5 |
| Maryland | 68,294 | 69,286 | 70,180 | 71,603 | 73,212 | 74,545 | 75,701 | 77,325 | 79,242 | 80,930 | 82,689 | 85,297 | 86,570 | 87,437 | 90,425 | 92,780 | 2.6 | 8.8 |
| New Jersey | 129,826 | 132,183 | 133,595 | 136,653 | 139,749 | 141,975 | 144,484 | 146,789 | 150,827 | 152,975 | 156,794 | 161,866 | 164,249 | 165,392 | 170,468 | 174,553 | 2.4 | 7.8 |
| New York | 273,246 | 277,148 | 281,193 | 287,194 | 292,167 | 295,546 | 300,364 | 305,069 | 310,548 | 316,587 | 322,704 | 331,948 | 336,504 | 340,457 | 347,482 | 355,163 | 2.2 | 7.0 |
| Pennsylvania | 157,341 | 159,075 | 160,522 | 162,768 | 165,620 | 167,643 | 169,676 | 171,729 | 174,866 | 178,224 | 181,741 | 186,912 | 188,218 | 190,346 | 195,772 | 199,979 | 2.1 | 7.0 |
| Great Lakes | 555,036 | 560,337 | 566,618 | 577,513 | 586,531 | 593,322 | 606,081 | 617,236 | 623,166 | 634,781 | 650,024 | 655,866 | 666,999 | 684,981 | 702,935 | 720,935 | 2.6 | 8.1 |
| Illinois | 165,492 | 167,080 | 168,778 | 171,566 | 173,839 | 176,622 | 178,485 | 180,449 | 184,212 | 185,891 | 189,680 | 194,420 | 197,022 | 199,447 | 204,654 | 208,499 | 1.9 | 7.2 |
| Indiana | 66,353 | 67,100 | 67,820 | 68,870 | 70,442 | 71,004 | 71,817 | 72,730 | 74,032 | 75,028 | 76,672 | 78,747 | 79,034 | 80,403 | 82,771 | 84,475 | 2.1 | 7.3 |
| Michigan | 123,875 | 124,747 | 126,906 | 130,787 | 132,667 | 134,343 | 135,151 | 136,619 | 138,725 | 139,792 | 144,616 | 144,615 | 146,535 | 148,354 | 153,448 | 159,277 | 3.8 | 10.1 |
| Ohio | 138,691 | 140,408 | 141,240 | 143,669 | 145,749 | 146,962 | 148,593 | 150,250 | 152,064 | 154,481 | 157,515 | 161,077 | 161,517 | 165,694 | 169,527 | 174,358 | 2.9 | 8.2 |
| Wisconsin | 60,625 | 61,302 | 61,875 | 62,622 | 63,833 | 64,551 | 65,130 | 66,033 | 67,204 | 67,974 | 69,299 | 71,164 | 71,759 | 73,101 | 74,581 | 76,326 | 2.3 | 7.3 |
| Plains | 220,359 | 223,162 | 225,150 | 227,627 | 231,496 | 233,682 | 236,319 | 238,880 | 243,591 | 246,655 | 250,329 | 256,187 | 257,588 | 262,940 | 268,749 | 274,743 | 2.2 | 7.2 |
| Iowa | 33,825 | 34,065 | 34,234 | 34,475 | 34,873 | 35,127 | 35,456 | 35,682 | 36,445 | 37,121 | 37,637 | 38,740 | 39,528 | 40,363 | 41,296 | 42,323 | 3.2 | 6.6 |
| Kansas | 32,013 | 32,396 | 32,701 | 33,020 | 33,659 | 33,853 | 34,166 | 34,737 | 34,942 | 35,515 | 36,001 | 36,758 | 36,738 | 37,590 | 38,089 | 38,793 | 1.8 | 5.5 |
| Minnesota | 56,615 | 57,497 | 58,062 | 58,856 | 59,927 | 60,740 | 61,562 | 62,208 | 63,978 | 64,683 | 65,726 | 67,359 | 68,268 | 69,641 | 71,991 | 73,539 | 2.2 | 9.2 |
| Missouri | 64,523 | 65,501 | 66,399 | 67,302 | 68,677 | 69,271 | 70,102 | 70,989 | 72,339 | 73,135 | 74,217 | 75,856 | 76,064 | 77,790 | 79,406 | 81,456 | 2.6 | 7.4 |
| Nebraska | 18,944 | 19,100 | 19,119 | 19,269 | 19,475 | 19,626 | 19,795 | 19,912 | 20,306 | 20,474 | 20,816 | 21,240 | 21,508 | 21,760 | 22,128 | 22,607 | 2.2 | 6.4 |
| North Dakota | 7,392 | 7,476 | 7,473 | 7,537 | 7,557 | 7,625 | 7,679 | 7,714 | 7,820 | 7,888 | 7,982 | 8,087 | 8,159 | 8,244 | 8,348 | 8,474 | 1.5 | 4.8 |
| South Dakota | 7,046 | 7,127 | 7,161 | 7,169 | 7,328 | 7,379 | 7,559 | 7,639 | 7,762 | 7,837 | 7,951 | 8,148 | 8,163 | 8,387 | 8,426 | 8,578 | 1.8 | 5.3 |
| Southeast | 657,133 | 668,268 | 675,661 | 687,633 | 704,487 | 712,731 | 722,562 | 732,625 | 747,324 | 761,519 | 778,467 | 802,076 | 802,373 | 822,173 | 842,022 | 863,248 | 2.5 | 7.6 |
| Alabama | 41,493 | 42,199 | 42,517 | 43,345 | 44,410 | 44,771 | 45,309 | 45,670 | 46,563 | 47,290 | 48,283 | 49,671 | 49,221 | 50,784 | 51,620 | 52,679 | 2.1 | 6.1 |
| Arkansas | 23,338 | 23,684 | 23,868 | 24,144 | 24,741 | 24,946 | 25,247 | 25,555 | 25,657 | 26,100 | 26,509 | 27,198 | 27,150 | 27,781 | 28,253 | 28,935 | 2.4 | 6.4 |
| Florida | 152,260 | 155,342 | 157,340 | 160,372 | 164,657 | 167,497 | 170,231 | 173,174 | 177,559 | 181,743 | 186,666 | 193,682 | 192,698 | 198,335 | 205,047 | 211,606 | 3.2 | 9.3 |
| Georgia | 72,183 | 73,602 | 75,083 | 76,917 | 78,976 | 80,208 | 81,665 | 83,277 | 84,779 | 86,587 | 88,743 | 91,446 | 91,248 | 93,728 | 95,777 | 98,243 | 2.6 | 7.4 |
| Kentucky | 38,465 | 39,135 | 39,351 | 39,813 | 40,745 | 40,859 | 41,188 | 41,598 | 42,508 | 43,182 | 44,129 | 45,330 | 45,582 | 46,268 | 47,182 | 48,031 | 1.8 | 6.0 |
| Louisiana | 50,101 | 50,509 | 50,529 | 50,367 | 50,756 | 50,284 | 50,600 | 49,742 | 49,855 | 50,202 | 50,762 | 52,110 | 51,785 | 52,902 | 53,769 | 54,667 | 1.7 | 4.9 |
| Mississippi | 23,259 | 23,571 | 23,823 | 24,291 | 24,657 | 24,975 | 25,034 | 25,173 | 25,583 | 25,889 | 26,416 | 27,047 | 27,013 | 27,805 | 28,334 | 28,940 | 2.1 | 7.0 |
| North Carolina | 69,881 | 71,078 | 72,299 | 73,783 | 75,504 | 76,793 | 78,062 | 79,283 | 81,066 | 82,815 | 84,687 | 86,993 | 87,866 | 89,441 | 91,719 | 94,000 | 2.5 | 8.1 |
| South Carolina | 34,811 | 35,228 | 35,734 | 36,421 | 37,338 | 37,812 | 38,288 | 38,884 | 39,531 | 40,396 | 41,205 | 42,400 | 42,662 | 43,889 | 44,781 | 45,898 | 2.5 | 8.3 |
| Tennessee | 51,803 | 52,789 | 53,317 | 54,523 | 55,719 | 56,827 | 57,626 | 58,568 | 60,009 | 60,927 | 62,197 | 64,224 | 64,224 | 65,711 | 67,220 | 68,704 | 2.2 | 6.7 |
| Virginia | 80,304 | 81,603 | 82,721 | 84,169 | 86,834 | 88,190 | 89,615 | 91,411 | 93,737 | 95,699 | 98,017 | 100,539 | 101,449 | 103,811 | 106,330 | 109,087 | 2.6 | 8.5 |
| West Virginia | 19,236 | 19,527 | 19,618 | 19,490 | 20,149 | 20,071 | 20,217 | 20,290 | 20,477 | 20,689 | 20,852 | 21,296 | 21,476 | 21,718 | 21,989 | 22,458 | 2.1 | 5.5 |
| Southwest | 308,314 | 312,607 | 315,813 | 319,616 | 324,842 | 323,536 | 323,070 | 322,503 | 327,318 | 330,946 | 336,300 | 344,185 | 343,218 | 350,990 | 357,202 | 365,292 | 2.3 | 6.1 |
| Arizona | 39,314 | 39,995 | 40,891 | 41,846 | 43,206 | 43,946 | 44,630 | 45,589 | 46,113 | 47,154 | 47,944 | 49,742 | 49,438 | 50,155 | 51,400 | 52,670 | 2.5 | 5.9 |
| New Mexico | 15,706 | 15,935 | 16,063 | 16,280 | 16,576 | 16,631 | 16,704 | 16,794 | 16,997 | 17,319 | 17,604 | 18,030 | 17,931 | 18,487 | 18,671 | 19,144 | 2.5 | 6.2 |
| Oklahoma | 39,274 | 39,475 | 39,658 | 39,732 | 40,205 | 39,586 | 39,174 | 39,050 | 39,376 | 39,753 | 40,375 | 40,950 | 40,954 | 41,859 | 42,439 | 43,012 | 1.4 | 5.0 |
| Texas | 214,021 | 217,202 | 219,201 | 221,758 | 224,854 | 223,373 | 222,562 | 221,070 | 224,832 | 226,720 | 230,378 | 235,463 | 234,896 | 240,489 | 244,692 | 250,466 | 2.4 | 6.4 |
| Rocky Mountain | 88,962 | 90,089 | 90,616 | 91,605 | 93,258 | 93,039 | 93,127 | 93,235 | 94,325 | 95,567 | 96,649 | 98,719 | 98,512 | 100,782 | 102,534 | 104,806 | 2.2 | 6.2 |
| Colorado | 46,175 | 46,797 | 47,110 | 47,630 | 48,636 | 48,628 | 48,870 | 48,932 | 49,566 | 50,152 | 50,803 | 51,915 | 51,671 | 52,683 | 53,659 | 54,677 | 1.9 | 5.3 |
| Idaho | 10,275 | 10,363 | 10,379 | 10,493 | 10,601 | 10,639 | 10,692 | 10,717 | 10,887 | 11,034 | 11,191 | 11,449 | 11,520 | 11,825 | 12,058 | 12,379 | 2.7 | 8.1 |
| Montana | 9,023 | 9,114 | 9,072 | 9,130 | 9,184 | 9,209 | 9,185 | 9,250 | 9,365 | 9,435 | 9,486 | 9,689 | 9,733 | 9,976 | 10,031 | 10,294 | 2.6 | 6.2 |
| Utah | 17,151 | 17,318 | 17,485 | 17,725 | | | | | | | | | | | | | | |

Table 3.—Total Personal Income for States and Regions, 1981–88, and Percent Change in Selected Shares of Personal Income for States and Regions, 1987–88

| Area name | Total | | | | | | | | Percent change ² | | | | | | | | | |
|----------------------------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|-----------------------|--------|--------------|---------------|----------------------------------|----------------------------|-------------------------------------|----------|------------|
| | Millions of dollars | | | | | | | | Total personal income | Earnings ³ | | | | | | | | |
| | 1981 | 1982 | 1983 | 1984 | 1985* | 1986* | 1987* | 1988* | | Total | Mining | Construction | Manufacturing | Transportation, public utilities | Wholesale and retail trade | Finance, insurance, and real estate | Services | Government |
| United States¹ | 2,514,231 | 2,663,432 | 2,834,385 | 3,101,163 | 3,317,545 | 3,522,203 | 3,768,696 | 4,042,110 | 7.3 | 7.3 | 4.0 | 6.9 | 6.2 | 6.8 | 8.9 | 8.5 | 9.5 | 6.2 |
| New England | 145,282 | 156,305 | 169,145 | 187,447 | 201,986 | 218,571 | 238,395 | 259,489 | 8.8 | 9.5 | 7.8 | 9.3 | 4.2 | 7.1 | 10.6 | 15.1 | 12.9 | 9.3 |
| Connecticut | 42,115 | 45,237 | 48,630 | 53,893 | 57,892 | 62,372 | 68,070 | 73,772 | 8.4 | 8.9 | 12.4 | 9.9 | 1.8 | 5.3 | 10.2 | 16.9 | 12.7 | 10.5 |
| Maine | 10,227 | 10,902 | 11,781 | 12,915 | 13,856 | 15,089 | 16,584 | 18,065 | 8.9 | 9.6 | 30.3 | 5.4 | 10.0 | 6.3 | 11.5 | 13.7 | 12.5 | 9.1 |
| Massachusetts | 67,786 | 73,266 | 79,425 | 88,260 | 94,957 | 102,603 | 111,565 | 121,538 | 8.9 | 9.7 | 1.2 | 9.6 | 4.8 | 7.8 | 10.4 | 13.9 | 12.9 | 8.3 |
| New Hampshire | 10,213 | 10,990 | 12,260 | 13,752 | 15,340 | 17,047 | 18,916 | 20,860 | 10.3 | 10.4 | 6.4 | 4.2 | 6.8 | 9.3 | 11.8 | 15.5 | 15.4 | 10.0 |
| Rhode Island | 10,000 | 10,643 | 11,458 | 12,505 | 13,320 | 14,271 | 15,421 | 16,709 | 8.4 | 9.0 | 6.9 | 16.0 | 2.9 | 6.9 | 10.2 | 15.2 | 12.5 | 8.9 |
| Vermont | 4,941 | 5,267 | 5,591 | 6,122 | 6,621 | 7,189 | 7,839 | 8,546 | 9.0 | 10.0 | 7.2 | 13.7 | 5.4 | 9.1 | 13.5 | 14.8 | 12.2 | 12.4 |
| Mideast | 499,432 | 533,797 | 570,631 | 621,851 | 664,784 | 709,092 | 764,134 | 823,613 | 7.8 | 8.1 | 2.4 | 9.1 | 4.9 | 6.8 | 8.9 | 10.1 | 10.2 | 7.3 |
| Delaware | 6,733 | 7,198 | 7,714 | 8,391 | 9,106 | 9,765 | 10,632 | 11,682 | 9.9 | 10.1 | 9.5 | 22.3 | 1.9 | 7.5 | 13.6 | 19.9 | 16.5 | 6.4 |
| District of Columbia | 8,613 | 9,210 | 9,599 | 10,392 | 11,105 | 11,675 | 12,475 | 13,431 | 7.7 | 8.6 | -1.7 | 6.7 | 8.1 | 10.9 | 8.4 | 3.5 | 11.8 | 6.0 |
| Maryland | 50,847 | 54,411 | 58,647 | 64,544 | 70,154 | 75,558 | 82,415 | 89,692 | 8.8 | 9.3 | 1.1 | 12.3 | 2.9 | 6.6 | 10.5 | 11.8 | 12.4 | 6.7 |
| New Jersey | 95,954 | 103,773 | 112,510 | 123,602 | 133,333 | 143,517 | 155,909 | 168,923 | 8.3 | 9.1 | 8.0 | 9.6 | 4.7 | 7.5 | 10.5 | 12.3 | 11.2 | 10.0 |
| New York | 208,172 | 223,261 | 239,979 | 263,537 | 280,266 | 298,959 | 321,169 | 345,425 | 7.6 | 7.7 | 7.6 | 6.9 | 4.6 | 6.2 | 7.3 | 9.8 | 9.5 | 7.7 |
| Pennsylvania | 129,113 | 135,945 | 142,183 | 151,386 | 160,820 | 169,617 | 181,533 | 194,459 | 7.1 | 7.5 | 0.0 | 9.0 | 6.2 | 6.0 | 9.1 | 9.1 | 9.2 | 5.3 |
| Great Lakes | 456,410 | 469,844 | 493,266 | 539,149 | 570,427 | 602,122 | 637,478 | 681,154 | 6.9 | 7.2 | -1.0 | 9.4 | 7.3 | 6.7 | 8.2 | 9.9 | 8.7 | 6.5 |
| Illinois | 137,055 | 141,841 | 147,786 | 161,426 | 169,968 | 179,015 | 190,203 | 203,305 | 6.9 | 7.3 | -6.6 | 6.7 | 9.2 | 5.8 | 7.5 | 10.2 | 8.4 | 6.0 |
| Indiana | 55,194 | 56,447 | 59,036 | 65,015 | 68,338 | 72,434 | 77,078 | 82,076 | 6.5 | 6.8 | -1.9 | 9.4 | 6.6 | 8.3 | 8.3 | 8.5 | 9.5 | 8.1 |
| Michigan | 100,082 | 101,228 | 107,437 | 118,047 | 127,250 | 135,372 | 141,933 | 152,400 | 7.4 | 7.7 | 10.7 | 14.3 | 6.7 | 7.1 | 8.8 | 12.0 | 9.0 | 5.7 |
| Ohio | 113,969 | 117,766 | 123,972 | 134,761 | 141,972 | 148,764 | 157,497 | 168,344 | 6.9 | 7.1 | -6.8 | 8.9 | 6.4 | 6.5 | 8.5 | 9.4 | 8.2 | 7.9 |
| Wisconsin | 50,110 | 52,562 | 55,035 | 59,900 | 62,900 | 66,537 | 70,767 | 75,028 | 6.0 | 6.1 | 7.1 | 10.3 | 8.1 | 7.4 | 8.6 | 7.7 | 8.7 | 4.7 |
| Plains | 184,543 | 192,722 | 200,485 | 220,093 | 232,842 | 245,814 | 260,593 | 274,948 | 5.5 | 5.4 | 4.0 | 4.1 | 6.9 | 7.2 | 8.4 | 6.6 | 8.8 | 5.4 |
| Iowa | 31,553 | 31,569 | 31,790 | 34,763 | 36,217 | 38,017 | 40,329 | 41,844 | 3.8 | 3.4 | 1.7 | 9.7 | 6.8 | 7.3 | 9.8 | 7.8 | 8.2 | 5.1 |
| Kansas | 26,736 | 28,459 | 29,471 | 31,789 | 33,819 | 35,697 | 37,501 | 39,561 | 5.5 | 5.4 | -3.1 | -7.4 | 4.4 | 6.9 | 7.8 | 7.2 | 8.9 | 4.6 |
| Minnesota | 43,303 | 47,734 | 50,027 | 55,824 | 59,278 | 63,140 | 67,553 | 72,285 | 7.0 | 7.4 | 19.2 | 14.1 | 8.0 | 7.3 | 10.1 | 6.4 | 9.6 | 8.5 |
| Missouri | 50,982 | 53,723 | 57,091 | 62,525 | 66,729 | 70,548 | 74,825 | 79,605 | 6.4 | 6.3 | -4.1 | -4.4 | 6.3 | 7.2 | 7.0 | 6.8 | 8.6 | 5.3 |
| Nebraska | 16,862 | 17,576 | 17,987 | 19,778 | 20,808 | 21,637 | 22,796 | 24,305 | 6.6 | 7.5 | -9.9 | 5.5 | 9.0 | 7.7 | 9.0 | 4.7 | 9.0 | 2.8 |
| North Dakota | 6,710 | 7,070 | 7,361 | 7,930 | 8,182 | 8,427 | 8,709 | 8,430 | -3.2 | -7.2 | 5.8 | -7.8 | 7.1 | 5.9 | 3.6 | 6.5 | 8.0 | 1.2 |
| South Dakota | 6,398 | 6,590 | 6,760 | 7,483 | 7,811 | 8,348 | 8,900 | 8,917 | -2.2 | -2.2 | 12.1 | -7.7 | 10.6 | 6.9 | 7.2 | 4.9 | 7.1 | 3.0 |
| Southeast | 505,500 | 537,110 | 577,331 | 634,235 | 681,056 | 727,198 | 783,287 | 844,247 | 7.8 | 7.7 | 2.8 | 6.8 | 5.8 | 7.7 | 9.4 | 7.7 | 10.0 | 6.1 |
| Alabama | 33,261 | 34,851 | 37,093 | 40,349 | 43,026 | 45,776 | 48,781 | 52,019 | 6.6 | 6.9 | 4.3 | 7.1 | 6.3 | 12.6 | 7.7 | 4.5 | 6.9 | 4.8 |
| Arkansas | 19,139 | 19,855 | 21,158 | 23,309 | 24,838 | 26,194 | 27,555 | 29,478 | 7.0 | 7.4 | 8.6 | 3.9 | 6.3 | 8.8 | 8.1 | 2.5 | 8.0 | 4.0 |
| Florida | 110,296 | 118,530 | 130,641 | 143,926 | 158,411 | 171,067 | 187,377 | 204,792 | 9.3 | 9.0 | 7.5 | 7.5 | 7.3 | 5.4 | 7.5 | 7.6 | 9.7 | 8.5 |
| Georgia | 51,842 | 55,787 | 61,211 | 68,920 | 75,394 | 82,135 | 89,097 | 95,887 | 7.6 | 7.4 | 8.3 | 1.3 | 3.7 | 7.5 | 10.7 | 9.9 | 10.7 | 6.7 |
| Kentucky | 32,738 | 34,281 | 35,340 | 38,732 | 40,102 | 41,857 | 44,711 | 47,603 | 6.5 | 6.5 | -4.3 | 3.7 | 6.9 | 8.4 | 4.2 | 10.3 | 6.7 | 6.7 |
| Louisiana | 42,211 | 44,863 | 46,456 | 48,798 | 50,679 | 50,568 | 51,219 | 53,891 | 5.2 | 5.2 | 7.1 | 8.6 | 5.3 | 5.7 | 5.4 | 3.1 | 5.7 | 9.9 |
| Mississippi | 19,489 | 20,551 | 21,431 | 23,159 | 24,174 | 25,422 | 27,038 | 28,875 | 6.8 | 7.1 | 7.7 | 7.6 | 7.5 | 7.7 | 6.6 | 6.9 | 7.6 | 6.3 |
| North Carolina | 52,891 | 55,867 | 60,722 | 67,851 | 72,987 | 78,717 | 85,415 | 92,199 | 7.9 | 7.9 | 7.7 | 7.4 | 5.6 | 9.7 | 9.9 | 7.8 | 12.8 | 6.3 |
| South Carolina | 26,676 | 28,048 | 30,329 | 33,476 | 35,780 | 38,255 | 41,204 | 44,586 | 8.2 | 8.5 | 12.2 | 12.2 | 6.3 | 9.2 | 11.0 | 10.3 | 11.3 | 6.3 |
| Tennessee | 40,872 | 42,969 | 45,745 | 50,360 | 53,637 | 57,550 | 62,522 | 67,183 | 7.5 | 7.4 | 5.4 | 4.1 | 6.6 | 8.7 | 7.6 | 4.7 | 9.9 | 5.9 |
| Virginia | 59,343 | 63,837 | 69,310 | 76,452 | 82,523 | 89,427 | 97,506 | 105,774 | 8.5 | 8.6 | 3.3 | 10.0 | 4.5 | 8.3 | 10.9 | 12.4 | 5.8 | 5.8 |
| West Virginia | 16,741 | 17,671 | 17,895 | 18,902 | 19,504 | 20,229 | 20,860 | 21,960 | 5.3 | 5.0 | -7.7 | 4.9 | 5.2 | 4.4 | 6.6 | 5.2 | 8.9 | 2.7 |
| Southwest | 237,800 | 259,155 | 272,359 | 296,109 | 318,147 | 327,769 | 340,420 | 359,389 | 5.6 | 4.9 | 3.8 | -0.9 | 6.9 | 6.0 | 5.8 | 3.3 | 7.5 | 3.6 |
| Arizona | 28,339 | 29,756 | 32,750 | 36,800 | 40,963 | 44,834 | 48,425 | 51,592 | 6.2 | 5.2 | 25.6 | 1.9 | 3.8 | 7.4 | 6.3 | 6.7 | 7.0 | 4.0 |
| New Mexico | 12,048 | 13,012 | 13,796 | 14,979 | 16,238 | 16,927 | 17,797 | 18,842 | 5.9 | 5.0 | 4.2 | -1.2 | 10.3 | 4.3 | 6.8 | 1.4 | 9.7 | 1.9 |
| Oklahoma | 33,189 | 36,713 | 36,925 | 38,824 | 40,235 | 40,482 | 41,092 | 43,292 | 5.4 | 5.3 | 2.8 | 4.0 | 8.0 | 3.3 | 6.6 | 2.5 | 6.1 | 5.8 |
| Texas | 164,224 | 179,673 | 188,888 | 205,505 | 220,711 | 225,526 | 233,107 | 245,663 | 5.4 | 4.8 | 2.8 | -2.1 | 7.1 | 6.3 | 5.5 | 4.0 | 7.5 | 4.3 |
| Rocky Mountain | 71,425 | 76,356 | 80,934 | 86,932 | 91,522 | 94,929 | 98,559 | 103,605 | 5.1 | 4.7 | 6.0 | -4.4 | 7.2 | 6.6 | 5.6 | 3.5 | 8.0 | 3.6 |
| Colorado | 35,406 | 38,822 | 41,542 | 44,941 | 47,511 | 49,411 | 51,397 | 54,004 | 5.1 | 4.4 | 1.8 | -8.0 | 5.2 | 6.6 | 4.7 | 1.7 | 8.8 | 2.8 |
| Idaho | 8,946 | 9,079 | 9,778 | 10,557 | 10,869 | 11,217 | 11,856 | 12,644 | 6.6 | 7.1 | 30.2 | 1.9 | 11.7 | 5.1 | 6.8 | 5.8 | 7.8 | 7.8 |
| Montana | 7,858 | 8,118 | 8,504 | 8,922 | 9,092 | 9,565 | 9,945 | 10,186 | 2.4 | 8.8 | 14.6 | 5.0 | 1.6 | 3.7 | 6.8 | 8.9 | 6.7 | 3.1 |
| Utah | 13,125 | 14,091 | 14,998 | 16,426 | 17,512 | 18,285 | 19,129 | 20,315 | 6.2 | 5.9 | 5.5 | -3.4 | 10.3 | 8.7 | 7.1 | 7.1 | 7.4 | 3.7 |
| Wyoming | 6,090 | 6,246 | 6,112 | 6,280 | 6,537 | 6,451 | 6,230 | 6,455 | 3.6 | 3.8 | 6.4 | -1.8 | 9.5 | 6.5 | 3.5 | 6.0 | 3.0 | 3.0 |
| Far West | 396,338 | 418,672 | 448,600 | 492,579 | 532,392 | 571,264 | 619,237 | 667,186 | 7.7 | 7.7 | 12.6 | 9.5 | 6.3 | 6.1 | 10.6 | 6.8 | 8.6 | 6.4 |
| California | 308,731 | 328,033 | 352,438 | 389,183 | 422,608 | 454,086 | 493,547 | 531,100 | 7.6 | 7.4 | 8.7 | 8.2 | 5.5 | 5.6 | 10.8 | 6.9 | 8.5 | 6.5 |
| Nevada | 10,458 | 10,956 | 11,600 | 12,678 | 13,801 | 14,959 | 16,152 | 18,479 | 11.9 | 12.8 | 38.5 | 28.0 | 12.7 | 9.1 | 12.9 | 10.1 | 11.4 | 7.0 |
| Oregon | 27,889 | 28,263 | 30,010 | 32,302 | 33,951 | 35,748 | 38,185 | 41,068 | 7.6 | 8.5 | 1.8 | 18.2 | 8.1 | 7.8 | 10.9 | 6.0 | 8.9 | 5.9 |
| Washington | 49,260 | 51,420 | 54,552 | 58,416 | 62,032 | 66,470 | 70,993 | | | | | | | | | | | |

Table 4.—Per Capita Personal Income for States and Regions, 1981–88

| Area name | Based on State estimates of population ¹ | | | | | | | | | | Based on the sum of county estimates of population ² | | | | | | | | |
|----------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|-------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|----------------------|
| | Dollars | | | | | | | | | | Dollars | | | | | | | | Rank in U.S. 1987 |
| | 1981 ^a | 1982 ^a | 1983 ^a | 1984 ^a | 1985 ^a | 1986 ^a | 1987 ^a | 1988 ^a | 1987 | 1988 | 1981 ^a | 1982 ^a | 1983 ^a | 1984 ^a | 1985 ^a | 1986 ^a | 1987 ^a | | |
| United States | 10,949 | 11,481 | 12,098 | 13,114 | 13,896 | 14,608 | 15,482 | 16,444 | ..... | ..... | 10,949 | 11,482 | 12,100 | 13,116 | 13,899 | 14,609 | 15,484 | ..... |  |
| New England | 11,701 | 12,572 | 13,540 | 14,903 | 15,950 | 17,153 | 18,560 | 20,013 | ..... | ..... | 11,700 | 12,572 | 13,544 | 14,910 | 15,958 | 17,153 | 18,560 | ..... |  |
| Connecticut | 13,483 | 14,460 | 15,473 | 17,072 | 18,231 | 19,528 | 21,192 | 22,761 | ..... | ..... | 13,485 | 14,466 | 15,486 | 17,091 | 18,254 | 19,533 | 21,197 | ..... |  |
| Maine | 9,026 | 9,589 | 10,286 | 11,167 | 11,903 | 12,880 | 13,984 | 14,976 | 31 | 29 | 9,011 | 9,565 | 10,265 | 11,154 | 11,888 | 12,870 | 13,971 | 31 | |
| Massachusetts | 11,780 | 12,751 | 13,779 | 15,229 | 16,304 | 17,583 | 19,050 | 20,701 | 3 | 3 | 11,782 | 12,755 | 13,785 | 15,238 | 16,317 | 17,587 | 19,053 | 3 | |
| New Hampshire | 10,903 | 11,593 | 12,786 | 14,061 | 15,369 | 16,601 | 17,906 | 19,016 | 7 | 7 | 10,898 | 11,591 | 12,786 | 14,057 | 15,357 | 16,592 | 17,895 | 7 | |
| Rhode Island | 10,501 | 11,168 | 11,998 | 13,024 | 13,778 | 14,641 | 15,633 | 16,793 | 15 | 14 | 10,502 | 11,169 | 11,999 | 13,024 | 13,777 | 14,642 | 15,640 | 16 | |
| Vermont | 9,564 | 10,110 | 10,627 | 11,539 | 12,378 | 13,315 | 14,325 | 15,382 | 25 | 25 | 9,578 | 10,123 | 10,638 | 11,549 | 12,371 | 13,288 | 14,299 | 27 | |
| Mideast | 11,798 | 12,592 | 13,405 | 14,553 | 15,516 | 16,470 | 17,663 | 18,904 | ..... | ..... | 11,799 | 12,596 | 13,411 | 14,563 | 15,529 | 16,477 | 17,674 | ..... |  |
| Delaware | 11,266 | 11,953 | 12,644 | 13,582 | 14,546 | 15,332 | 16,407 | 17,699 | 12 | 9 | 11,286 | 12,003 | 12,722 | 13,666 | 14,637 | 15,421 | 16,510 | 10 | |
| District of Columbia | 13,609 | 14,696 | 15,370 | 16,658 | 17,816 | 18,674 | 20,084 | 21,667 | ..... | ..... | 13,608 | 14,695 | 15,369 | 16,657 | 17,817 | 18,667 | 20,057 | ..... |  |
| Maryland | 11,948 | 12,736 | 13,642 | 14,845 | 15,974 | 16,934 | 18,167 | 19,314 | 5 | 5 | 11,947 | 12,735 | 13,641 | 14,843 | 15,970 | 16,936 | 18,174 | 5 | |
| New Jersey | 12,955 | 13,966 | 15,064 | 16,440 | 17,617 | 18,819 | 20,313 | 21,882 | 2 | 2 | 12,956 | 13,971 | 15,074 | 16,455 | 17,634 | 18,822 | 20,321 | 2 | |
| New York | 11,856 | 12,703 | 13,580 | 14,865 | 15,773 | 16,789 | 18,005 | 19,299 | 6 | 6 | 11,857 | 12,707 | 13,589 | 14,878 | 15,793 | 16,800 | 18,017 | 6 | |
| Pennsylvania | 10,869 | 11,440 | 11,952 | 12,729 | 13,553 | 14,257 | 15,200 | 16,168 | 20 | 20 | 10,869 | 11,441 | 11,954 | 12,731 | 13,556 | 14,260 | 15,208 | 20 | |
| Great Lakes | 10,942 | 11,292 | 11,882 | 12,965 | 13,695 | 14,426 | 15,208 | 16,161 | ..... | ..... | 10,942 | 11,293 | 11,882 | 12,964 | 13,696 | 14,431 | 15,213 | ..... |  |
| Illinois | 11,944 | 12,355 | 12,858 | 14,005 | 14,729 | 15,493 | 16,417 | 17,611 | 10 | 11 | 11,944 | 12,356 | 12,859 | 14,007 | 14,732 | 15,497 | 16,421 | 11 | |
| Indiana | 10,055 | 10,293 | 10,782 | 11,838 | 12,424 | 13,161 | 13,937 | 14,721 | 32 | 32 | 10,054 | 10,292 | 10,781 | 11,837 | 12,424 | 13,164 | 13,935 | 32 | |
| Michigan | 10,866 | 11,101 | 11,865 | 13,029 | 14,000 | 14,805 | 15,418 | 16,387 | 19 | 19 | 10,866 | 11,101 | 11,864 | 13,027 | 14,001 | 14,813 | 15,428 | 19 | |
| Ohio | 10,551 | 10,927 | 11,542 | 12,544 | 13,209 | 13,837 | 14,598 | 15,485 | 24 | 23 | 10,552 | 10,928 | 11,541 | 12,543 | 13,210 | 13,842 | 14,605 | 24 | |
| Wisconsin | 10,581 | 11,073 | 11,590 | 12,575 | 13,171 | 13,907 | 14,720 | 15,444 | 22 | 24 | 10,582 | 11,074 | 11,590 | 12,575 | 13,170 | 13,913 | 14,723 | 22 | |
| Plains | 10,671 | 11,109 | 11,512 | 12,577 | 13,269 | 13,994 | 14,784 | 15,495 | ..... | ..... | 10,670 | 11,107 | 11,508 | 12,567 | 13,263 | 13,990 | 14,777 | ..... |  |
| Iowa | 10,815 | 10,868 | 10,964 | 12,015 | 12,604 | 13,384 | 14,284 | 14,764 | 28 | 31 | 10,812 | 10,857 | 10,943 | 11,969 | 12,569 | 13,341 | 14,230 | 29 | |
| Kansas | 11,190 | 11,811 | 12,136 | 13,021 | 13,812 | 14,513 | 15,152 | 15,905 | 21 | 21 | 11,188 | 11,809 | 12,133 | 13,017 | 13,804 | 14,512 | 15,143 | 21 | |
| Minnesota | 11,016 | 11,549 | 12,069 | 13,408 | 14,144 | 14,985 | 15,910 | 16,787 | 13 | 15 | 11,016 | 11,549 | 12,068 | 13,407 | 14,142 | 14,987 | 15,906 | 13 | |
| Missouri | 10,322 | 10,868 | 11,499 | 12,492 | 13,248 | 13,923 | 14,648 | 15,492 | 23 | 22 | 10,322 | 10,868 | 11,498 | 12,491 | 13,252 | 13,932 | 14,663 | 23 | |
| Nebraska | 10,652 | 11,055 | 11,266 | 12,322 | 12,966 | 13,538 | 14,300 | 15,184 | 27 | 26 | 10,652 | 11,055 | 11,265 | 12,321 | 12,965 | 13,543 | 14,297 | 28 | |
| North Dakota | 10,149 | 10,520 | 10,804 | 11,548 | 11,952 | 12,420 | 12,971 | 13,720 | 35 | 40 | 10,150 | 10,520 | 10,802 | 11,547 | 11,946 | 12,420 | 12,961 | 35 | |
| South Dakota | 9,249 | 9,489 | 9,672 | 10,612 | 11,030 | 11,798 | 12,545 | 13,275 | 39 | 45 | 9,249 | 9,489 | 9,672 | 10,612 | 11,028 | 11,799 | 12,550 | 39 | |
| Southeast | 9,414 | 9,877 | 10,484 | 11,367 | 12,044 | 12,695 | 13,499 | 14,331 | ..... | ..... | 9,414 | 9,878 | 10,485 | 11,368 | 12,043 | 12,694 | 13,500 | ..... |  |
| Alabama | 8,468 | 8,836 | 9,359 | 10,109 | 10,698 | 11,300 | 11,944 | 12,604 | 43 | 43 | 8,467 | 8,836 | 9,358 | 10,107 | 10,697 | 11,303 | 11,947 | 43 | |
| Arkansas | 8,320 | 8,604 | 9,098 | 9,930 | 10,525 | 11,046 | 11,537 | 12,172 | 46 | 47 | 8,320 | 8,605 | 9,098 | 9,933 | 10,526 | 11,050 | 11,538 | 46 | |
| Florida | 10,819 | 11,315 | 12,142 | 13,202 | 13,934 | 14,634 | 15,584 | 16,546 | 18 | 17 | 10,820 | 11,318 | 12,149 | 13,209 | 13,939 | 14,628 | 15,584 | 18 | |
| Georgia | 9,307 | 9,867 | 10,671 | 11,791 | 12,616 | 13,461 | 14,306 | 14,980 | 26 | 28 | 9,308 | 9,868 | 10,672 | 11,793 | 12,619 | 13,465 | 14,320 | 25 | |
| Kentucky | 8,905 | 9,278 | 9,517 | 10,412 | 10,767 | 11,243 | 12,008 | 12,795 | 42 | 38 | 8,906 | 9,280 | 9,517 | 10,411 | 10,755 | 11,235 | 11,997 | 42 | |
| Louisiana | 9,817 | 10,235 | 10,459 | 10,936 | 11,302 | 11,243 | 11,515 | 12,193 | 47 | 46 | 9,816 | 10,234 | 10,458 | 10,935 | 11,297 | 11,239 | 11,482 | 47 | |
| Mississippi | 7,659 | 8,006 | 8,296 | 8,911 | 9,249 | 9,687 | 10,303 | 10,992 | 50 | 50 | 7,658 | 8,005 | 8,296 | 8,910 | 9,247 | 9,686 | 10,302 | 50 | |
| North Carolina | 8,880 | 9,284 | 9,989 | 11,001 | 11,662 | 12,441 | 13,325 | 14,128 | 34 | 34 | 8,879 | 9,283 | 9,988 | 10,999 | 11,658 | 12,436 | 13,322 | 34 | |
| South Carolina | 8,373 | 8,710 | 9,325 | 10,156 | 10,733 | 11,313 | 12,027 | 12,764 | 41 | 39 | 8,377 | 8,713 | 9,325 | 10,158 | 10,734 | 11,317 | 12,036 | 41 | |
| Tennessee | 8,811 | 9,208 | 9,752 | 10,651 | 11,252 | 11,988 | 12,876 | 13,659 | 36 | 36 | 8,811 | 9,208 | 9,752 | 10,649 | 11,251 | 11,989 | 12,878 | 36 | |
| Virginia | 10,905 | 11,630 | 12,469 | 13,565 | 14,465 | 15,422 | 16,486 | 17,640 | 9 | 10 | 10,902 | 11,629 | 12,468 | 13,566 | 14,473 | 15,433 | 16,516 | 9 | |
| West Virginia | 8,537 | 9,007 | 9,114 | 9,884 | 10,072 | 10,551 | 10,992 | 11,658 | 49 | 49 | 8,539 | 9,010 | 9,118 | 9,888 | 10,068 | 10,549 | 10,992 | 49 | |
| Southwest | 10,799 | 11,335 | 11,594 | 12,404 | 13,093 | 13,248 | 13,650 | 14,365 | ..... | ..... | 10,803 | 11,340 | 11,599 | 12,410 | 13,096 | 13,244 | 13,649 | ..... |  |
| Arizona | 10,090 | 10,315 | 11,069 | 12,072 | 12,958 | 13,670 | 14,241 | 14,887 | 29 | 30 | 10,100 | 10,332 | 11,093 | 12,101 | 12,990 | 13,680 | 14,310 | 26 | |
| New Mexico | 9,024 | 9,509 | 9,844 | 10,501 | 11,197 | 11,459 | 11,898 | 12,481 | 44 | 44 | 9,020 | 9,503 | 9,837 | 10,495 | 11,188 | 11,444 | 11,861 | 45 | |
| Oklahoma | 10,678 | 11,357 | 11,148 | 11,722 | 12,182 | 12,264 | 12,607 | 13,269 | 38 | 37 | 10,677 | 11,356 | 11,147 | 11,720 | 12,170 | 12,245 | 12,558 | 38 | |
| Texas | 11,120 | 11,684 | 11,940 | 12,776 | 13,471 | 13,518 | 13,889 | 14,640 | 33 | 33 | 11,124 | 11,688 | 11,944 | 12,781 | 13,472 | 13,516 | 13,888 | 33 | |
| Rocky Mountain | 10,576 | 11,028 | 11,683 | 12,161 | 12,683 | 13,081 | 13,553 | 14,282 | ..... | ..... | 10,576 | 11,028 | 11,456 | 12,159 | 12,679 | 13,081 | 13,550 | ..... |  |
| Colorado | 11,866 | 12,639 | 13,195 | 14,093 | 14,698 | 15,132 | 15,605 | 16,417 | 17 | 18 | 11,867 | 12,640 | 13,195 | 14,092 | 14,691 | 15,129 | 15,594 | 17 | |
| Idaho | 9,275 | 9,284 | 9,894 | 10,362 | 10,818 | 11,184 | 11,859 | 12,657 | 45 | 42 | 9,274 | 9,283 | 9,892 | 10,360 | 10,825 | 11,194 | 11,875 | 44 | |
| Montana | 9,874 | 10,084 | 10,424 | 10,835 | 11,016 | 11,702 | 12,291 | 12,670 | 40 | 41 | 9,875 | 10,084 | 10,424 | 10,835 | 11,015 | 11,706 | 12,291 | 40 | |
| Utah | 8,660 | 9,041 | 9,400 | 10,120 | 10,653 | 10,988 | 11,389 | 12,013 | 48 | 48 | 8,660 | 9,040 | 9,397 | 10,115 | 10,645 | 10,986 | 11,386 | 48 | |
| Wyoming | 12,332 | 12,235 | 11,837 | 12,245 | 12,834 | 12,720 | 12,719 | 13,718 | 37 | 35 | 12,332 | 12,236 | 11,836 | 12,244 | 12,826 | 12,715 | 12,706 | 37 | |
| Far West | 12,380 | 12,840 | 13,525 | 14,606 | 15,480 | 16,261 | 17,236 | 18,235 | ..... | ..... | 12,379 | 12,839 | 13,524 | 14,607 | 15,482 | 16,260 | 17,233 | ..... |  |
| California | 12,724 | 13,238 | 13,926 | 15,097 | 16,034 | 16,818 | 17,846 | 18,855 | 8 | 8 | 12,724 | | | | | | | | |

Table 5.—Total and Per Capita Disposable Personal Income for States and Regions, 1981–88

| Area name | Total | | | | | | | | Percent change 1987–88 | Per capita ¹ | | | | | | | | Rank in U.S. | |
|----------------------|---------------------|-----------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|---------------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|-------|
| | Millions of dollars | | | | | | | | | Dollars | | | | | | | | 1981 | 1988 |
| | 1981 | 1982 | 1983 | 1984 | 1985 [*] | 1986 [*] | 1987 [*] | 1988 [*] | | 1981 [*] | 1982 [*] | 1983 [*] | 1984 [*] | 1985 [*] | 1986 [*] | 1987 [*] | 1988 [*] | 1981 | 1988 |
| United States | 2,121,830 | 2,255,123 | 2,424,880 | 2,662,051 | 2,832,081 | 3,011,946 | 3,199,658 | 3,453,097 | 7.9 | 9,240 | 9,721 | 10,350 | 11,257 | 11,863 | 12,492 | 13,145 | 14,048 | ... | ..... |
| New England | 122,325 | 132,071 | 143,807 | 160,274 | 171,147 | 185,375 | 201,084 | 220,954 | 9.9 | 9,852 | 10,622 | 11,512 | 12,743 | 13,515 | 14,548 | 15,655 | 17,041 | ..... | ..... |
| Connecticut | 35,274 | 37,771 | 41,375 | 46,002 | 48,624 | 52,488 | 56,889 | 62,337 | 9.6 | 11,293 | 12,073 | 13,165 | 14,572 | 15,312 | 16,433 | 17,711 | 19,233 | 2 | 1 |
| Maine | 8,883 | 9,366 | 10,175 | 11,294 | 12,117 | 13,196 | 14,374 | 15,629 | 8.7 | 7,840 | 8,239 | 8,884 | 9,765 | 10,409 | 11,264 | 12,121 | 12,957 | 40 | 28 |
| Massachusetts | 56,486 | 61,590 | 66,632 | 74,449 | 79,649 | 86,015 | 93,117 | 102,604 | 10.2 | 9,816 | 10,719 | 11,559 | 12,846 | 13,676 | 14,740 | 15,900 | 17,477 | 10 | 3 |
| New Hampshire | 8,871 | 9,633 | 10,722 | 12,221 | 13,443 | 14,993 | 16,627 | 18,459 | 11.0 | 9,470 | 10,161 | 11,182 | 12,496 | 13,468 | 14,601 | 15,739 | 16,827 | 14 | 5 |
| Rhode Island | 8,560 | 9,145 | 10,061 | 11,008 | 11,662 | 12,530 | 13,417 | 14,596 | 8.8 | 8,989 | 9,596 | 10,355 | 11,465 | 12,064 | 12,855 | 13,602 | 14,689 | 25 | 13 |
| Vermont | 4,251 | 4,566 | 4,842 | 5,300 | 5,652 | 6,153 | 6,661 | 7,329 | 10.0 | 8,230 | 8,766 | 9,203 | 9,990 | 10,566 | 11,395 | 12,172 | 13,192 | 37 | 26 |
| Mideast | 416,828 | 444,958 | 481,873 | 526,033 | 558,809 | 596,638 | 637,643 | 693,063 | 8.7 | 9,847 | 10,497 | 11,320 | 12,311 | 13,043 | 13,858 | 14,739 | 15,907 | ..... | ..... |
| Delaware | 5,385 | 5,836 | 6,375 | 6,920 | 7,503 | 8,036 | 8,620 | 9,553 | 10.8 | 9,010 | 9,691 | 10,449 | 11,201 | 11,986 | 12,617 | 13,303 | 14,473 | 24 | 15 |
| District of Columbia | 7,094 | 7,424 | 7,838 | 8,574 | 9,135 | 9,601 | 10,144 | 10,985 | 9.3 | 11,208 | 11,846 | 12,550 | 13,744 | 14,655 | 15,357 | 16,331 | 17,720 | ..... | ..... |
| Maryland | 16,619 | 17,416 | 18,201 | 19,276 | 20,204 | 21,208 | 22,288 | 23,451 | 9.2 | 9,779 | 10,467 | 11,398 | 12,483 | 13,417 | 14,228 | 15,172 | 16,185 | ..... | ..... |
| New Jersey | 81,313 | 88,004 | 96,464 | 105,953 | 113,608 | 122,758 | 132,339 | 144,589 | 9.3 | 10,978 | 11,844 | 12,915 | 14,093 | 15,011 | 16,097 | 17,242 | 18,730 | 3 | 2 |
| New York | 171,818 | 182,964 | 199,888 | 219,711 | 231,039 | 246,317 | 261,557 | 284,503 | 8.8 | 9,785 | 10,410 | 11,311 | 12,393 | 13,002 | 13,832 | 14,663 | 15,895 | 11 | 8 |
| Pennsylvania | 109,599 | 116,014 | 122,309 | 130,600 | 138,599 | 146,440 | 156,153 | 168,273 | 7.8 | 9,226 | 9,763 | 10,282 | 10,981 | 11,680 | 12,309 | 13,075 | 13,991 | 18 | 18 |
| Great Lakes | 384,583 | 399,749 | 422,335 | 463,757 | 489,032 | 517,252 | 544,344 | 584,203 | 7.3 | 9,220 | 9,608 | 10,173 | 11,152 | 11,741 | 12,393 | 12,986 | 13,860 | ..... | ..... |
| Illinois | 115,538 | 121,127 | 127,327 | 139,042 | 146,348 | 154,448 | 162,907 | 175,307 | 7.6 | 10,069 | 10,551 | 11,078 | 12,063 | 12,682 | 13,367 | 14,061 | 15,186 | 7 | 9 |
| Indiana | 46,633 | 47,945 | 50,372 | 56,201 | 58,555 | 62,249 | 65,696 | 70,043 | 6.6 | 8,495 | 8,743 | 9,200 | 10,233 | 10,664 | 11,311 | 11,879 | 12,563 | 34 | 32 |
| Michigan | 84,323 | 86,010 | 91,452 | 100,991 | 107,933 | 115,302 | 120,510 | 129,750 | 7.7 | 9,155 | 9,432 | 10,100 | 11,146 | 11,875 | 12,610 | 13,091 | 13,952 | 19 | 19 |
| Ohio | 96,270 | 100,339 | 105,988 | 116,194 | 121,796 | 127,798 | 134,208 | 144,134 | 7.4 | 8,913 | 9,310 | 9,867 | 10,815 | 11,332 | 11,886 | 12,439 | 13,258 | 26 | 24 |
| Wisconsin | 41,819 | 44,328 | 47,196 | 51,329 | 54,299 | 57,455 | 61,023 | 64,969 | 6.5 | 8,830 | 9,338 | 9,939 | 10,775 | 11,370 | 12,009 | 12,693 | 13,374 | 28 | 22 |
| Plains | 155,605 | 161,926 | 170,588 | 189,248 | 199,964 | 212,143 | 223,281 | 235,816 | 5.6 | 8,997 | 9,334 | 9,796 | 10,814 | 11,396 | 12,078 | 12,668 | 13,290 | ..... | ..... |
| Iowa | 26,511 | 26,587 | 27,021 | 30,083 | 31,307 | 32,908 | 34,593 | 35,916 | 3.8 | 9,087 | 9,153 | 9,319 | 10,317 | 10,896 | 11,585 | 12,253 | 12,692 | 23 | 30 |
| Kansas | 22,289 | 23,720 | 24,896 | 27,139 | 28,587 | 30,351 | 31,635 | 33,376 | 5.5 | 9,328 | 9,844 | 10,252 | 11,116 | 11,675 | 12,340 | 12,782 | 13,418 | 15 | 21 |
| Minnesota | 37,641 | 39,667 | 41,718 | 47,079 | 49,833 | 53,640 | 56,956 | 61,075 | 7.2 | 9,153 | 9,597 | 10,064 | 11,308 | 11,890 | 12,730 | 13,418 | 14,183 | 20 | 17 |
| Missouri | 43,375 | 45,266 | 49,025 | 53,832 | 57,662 | 61,190 | 64,478 | 68,699 | 6.5 | 8,782 | 9,157 | 9,874 | 10,756 | 11,448 | 12,076 | 12,623 | 13,369 | 30 | 23 |
| Nebraska | 14,451 | 14,726 | 15,457 | 17,291 | 18,212 | 18,933 | 19,848 | 21,189 | 6.8 | 9,129 | 9,262 | 9,681 | 10,773 | 11,348 | 11,846 | 12,451 | 13,237 | 22 | 25 |
| North Dakota | 5,633 | 6,140 | 6,419 | 7,103 | 7,261 | 7,517 | 7,702 | 7,446 | -3.3 | 8,520 | 9,137 | 9,422 | 10,344 | 10,607 | 11,078 | 11,470 | 11,235 | 32 | 38 |
| South Dakota | 5,705 | 5,820 | 6,052 | 6,721 | 7,102 | 7,604 | 8,069 | 8,116 | 0.6 | 8,247 | 8,379 | 8,659 | 9,531 | 10,029 | 10,745 | 11,373 | 11,354 | 36 | 36 |
| Southeast | 430,417 | 458,067 | 496,484 | 546,950 | 582,794 | 623,689 | 667,789 | 723,337 | 8.3 | 8,015 | 8,424 | 9,016 | 9,802 | 10,306 | 10,888 | 11,509 | 12,278 | ..... | ..... |
| Alabama | 28,229 | 29,767 | 31,738 | 34,844 | 36,593 | 38,893 | 41,136 | 44,220 | 7.5 | 7,186 | 7,547 | 8,008 | 8,730 | 9,098 | 9,601 | 10,072 | 10,715 | 48 | 43 |
| Arkansas | 16,588 | 17,018 | 18,412 | 20,127 | 21,635 | 22,915 | 23,952 | 25,701 | 7.3 | 7,211 | 7,375 | 7,917 | 8,578 | 9,168 | 9,663 | 10,029 | 10,613 | 47 | 46 |
| Florida | 94,418 | 100,350 | 112,902 | 124,279 | 135,557 | 146,752 | 160,088 | 176,311 | 10.1 | 9,262 | 9,579 | 10,494 | 11,243 | 11,924 | 12,554 | 13,315 | 14,245 | 17 | 16 |
| Georgia | 43,723 | 47,181 | 51,521 | 58,013 | 63,013 | 68,852 | 74,272 | 80,300 | 8.1 | 7,849 | 8,345 | 8,982 | 9,924 | 10,544 | 11,285 | 11,925 | 12,545 | 39 | 33 |
| Kentucky | 28,195 | 29,521 | 30,690 | 35,684 | 34,544 | 36,129 | 38,357 | 40,966 | 6.8 | 7,669 | 7,990 | 8,265 | 9,055 | 9,275 | 9,705 | 10,302 | 11,011 | 42 | 41 |
| Louisiana | 35,630 | 38,316 | 40,264 | 42,610 | 44,103 | 44,094 | 44,350 | 46,707 | 5.3 | 8,286 | 8,741 | 9,065 | 9,549 | 9,835 | 9,803 | 9,970 | 10,568 | 35 | 47 |
| Mississippi | 16,527 | 17,683 | 18,488 | 20,012 | 20,940 | 22,039 | 23,299 | 24,954 | 7.1 | 6,495 | 6,889 | 7,157 | 7,700 | 8,011 | 8,398 | 8,878 | 9,500 | 50 | 50 |
| North Carolina | 44,905 | 47,975 | 52,333 | 58,693 | 61,892 | 66,948 | 72,108 | 78,208 | 8.5 | 7,539 | 7,972 | 8,609 | 9,516 | 9,889 | 10,581 | 11,249 | 11,984 | 44 | 34 |
| South Carolina | 22,684 | 24,016 | 26,043 | 28,995 | 30,729 | 32,840 | 35,157 | 38,147 | 8.5 | 7,120 | 7,458 | 8,007 | 8,797 | 9,218 | 9,711 | 10,262 | 10,921 | 49 | 42 |
| Tennessee | 35,492 | 37,373 | 39,824 | 44,235 | 46,701 | 50,341 | 54,409 | 58,824 | 8.1 | 7,651 | 8,009 | 8,490 | 9,355 | 9,797 | 10,486 | 11,206 | 11,960 | 43 | 35 |
| Virginia | 49,720 | 53,743 | 58,857 | 65,146 | 70,045 | 76,197 | 82,519 | 89,766 | 8.8 | 9,136 | 9,791 | 10,589 | 11,559 | 12,278 | 13,140 | 13,952 | 14,970 | 21 | 10 |
| West Virginia | 14,307 | 15,144 | 15,414 | 16,316 | 17,043 | 17,691 | 18,141 | 19,233 | 6.0 | 7,296 | 7,719 | 8,151 | 8,359 | 8,802 | 9,227 | 9,559 | 10,210 | 46 | 49 |
| Southwest | 199,513 | 218,577 | 234,155 | 255,286 | 272,977 | 281,650 | 290,904 | 307,838 | 6.1 | 9,060 | 9,560 | 9,967 | 10,693 | 11,234 | 11,384 | 11,632 | 12,305 | ..... | ..... |
| Arizona | 24,262 | 25,511 | 28,364 | 32,179 | 35,609 | 39,102 | 42,037 | 44,942 | 6.9 | 8,638 | 8,843 | 9,586 | 10,556 | 11,264 | 11,922 | 12,363 | 12,969 | 31 | 27 |
| New Mexico | 10,375 | 11,132 | 12,066 | 12,783 | 14,053 | 14,643 | 15,154 | 16,056 | 5.9 | 7,770 | 8,135 | 8,609 | 9,962 | 9,690 | 9,913 | 10,131 | 10,636 | 41 | 45 |
| Oklahoma | 27,546 | 30,143 | 31,406 | 32,967 | 32,695 | 32,880 | 33,037 | 34,910 | 5.7 | 8,862 | 9,324 | 9,482 | 9,954 | 9,999 | 9,961 | 10,136 | 10,700 | 27 | 44 |
| Texas | 137,331 | 151,792 | 162,319 | 177,326 | 190,620 | 195,025 | 199,865 | 211,927 | 6.0 | 9,299 | 9,871 | 10,261 | 11,024 | 11,634 | 11,690 | 11,909 | 12,629 | 16 | 31 |
| Rocky Mountain | 60,430 | 64,517 | 69,554 | 75,101 | 78,612 | 81,997 | 83,981 | 88,425 | 5.3 | 8,948 | 9,318 | 9,846 | 10,506 | 10,894 | 11,244 | 11,549 | 12,189 | ..... | ..... |
| Colorado | 29,695 | 32,448 | 35,575 | 38,762 | 40,570 | 42,155 | 43,402 | 45,767 | 5.4 | 9,952 | 10,564 | 11,300 | 12,154 | 12,551 | 12,910 | 13,178 | 13,913 | 8 | 20 |
| Idaho | 7,691 | 7,840 | 8,652 | 9,154 | 9,549 | 9,870 | 10,394 | 11,113 | 6.9 | 7,974 | 8,017 | 8,755 | 9,158 | 9,504 | 9,841 | 10,397 | 11,125 | 38 | 39 |
| Montana | 6,777 | 7,048 | 7,238 | 7,705 | 7,985 | 8,402 | 8,685 | 8,869 | 2.1 | 8,516 | 8,755 | 8,872 | 9,357 | 9,673 | 10,279 | 10,732 | 11,032 | 33 | 40 |

CURRENT BUSINESS STATISTICS

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

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

| Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in <i>BUSINESS STATISTICS: 1986</i> | Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | | 1987 | 1988 | 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 \$ | 3,780.0 | 4,062.1 | 3,946.7 | 3,985.9 | 4,001.0 | 4,021.4 | 4,044.9 | 4,075.3 | 4,091.8 | 4,114.7 | 4,175.5 | 4,165.2 | 4,200.8 | 4,271.9 | 4,315.6 | 4,349.7 | |
| Wage and salary disbursements, total | do.. | 2,248.4 | 2,436.9 | 2,359.0 | 2,374.7 | 2,394.0 | 2,408.4 | 2,427.5 | 2,451.9 | 2,459.1 | 2,475.0 | 2,506.9 | 2,514.1 | 2,529.5 | 2,559.2 | 2,570.8 | 2,591.8 | |
| Commodity-producing industries, total | do... | 649.8 | 695.4 | 673.5 | 685.0 | 685.1 | 687.7 | 694.4 | 699.3 | 700.2 | 704.4 | 716.4 | 715.0 | 714.9 | 722.1 | 725.3 | 735.5 | |
| Manufacturing | do | 490.3 | 522.5 | 507.3 | 516.3 | 514.3 | 516.8 | 521.1 | 524.4 | 524.9 | 528.4 | 539.2 | 536.4 | 535.6 | 540.5 | 543.0 | 552.3 | |
| Distributive industries | do.. | 531.7 | 578.7 | 559.3 | 560.4 | 568.5 | 571.6 | 576.3 | 583.9 | 584.7 | 588.8 | 596.1 | 597.2 | 602.5 | 609.6 | 610.9 | 613.7 | |
| Service industries | do | 646.8 | 716.6 | 689.0 | 690.2 | 699.5 | 706.1 | 712.0 | 721.8 | 725.1 | 730.6 | 741.2 | 746.4 | 754.6 | 764.0 | 768.7 | 774.5 | |
| Govt and govt enterprises | do | 420.1 | 446.1 | 437.1 | 439.0 | 441.0 | 443.0 | 444.8 | 447.0 | 449.1 | 451.2 | 453.2 | 455.5 | 457.6 | 463.5 | 466.0 | 468.1 | |
| Other labor income | do.. | 207.9 | 218.3 | 214.6 | 215.2 | 215.8 | 216.4 | 217.4 | 218.5 | 219.5 | 220.5 | 221.5 | 222.5 | 223.5 | 224.5 | 225.4 | 226.4 | |
| Proprietors' income ‡ | | | | | | | | | | | | | | | | | | |
| Farm | do | 43.0 | 36.3 | 41.5 | 56.8 | 44.8 | 45.2 | 40.3 | 34.1 | 31.4 | 27.2 | 41.5 | 13.5 | 23.1 | 47.0 | 64.4 | 59.2 | |
| Nonfarm | do.. | 270.0 | 288.2 | 279.0 | 279.9 | 283.3 | 285.2 | 287.5 | 289.4 | 290.2 | 292.6 | 296.1 | 297.5 | 299.5 | 300.7 | 301.2 | 300.9 | |
| Rental income of persons with capital consumption adjustment | bil \$ | 18.4 | 19.3 | 20.5 | 20.2 | 19.3 | 18.9 | 19.0 | 19.3 | 19.7 | 20.0 | 19.0 | 18.0 | 17.2 | 15.3 | 12.8 | 11.9 | |
| Dividends | do | 88.6 | 96.3 | 93.6 | 94.0 | 94.7 | 95.0 | 95.4 | 96.3 | 97.5 | 98.0 | 98.9 | 99.4 | 99.8 | 101.2 | 101.2 | 103.0 | |
| Personal interest income | do | 527.0 | 575.9 | 554.1 | 554.1 | 558.8 | 563.7 | 568.7 | 574.9 | 581.8 | 589.1 | 596.4 | 603.7 | 611.1 | 620.9 | 632.9 | 645.0 | |
| Transfer payments | do | 548.8 | 586.0 | 574.6 | 582.2 | 582.8 | 582.0 | 583.6 | 587.0 | 589.2 | 589.7 | 594.7 | 596.5 | 597.9 | 612.4 | 615.9 | 622.6 | |
| Less Personal contributions for social insurance | do | 172.0 | 195.1 | 190.2 | 191.2 | 192.4 | 193.4 | 194.6 | 196.2 | 196.5 | 197.4 | 199.5 | 200.0 | 200.9 | 209.4 | 210.0 | 211.2 | |
| Total nonfarm income | do... | 3,716.0 | 4,004.8 | 3,884.7 | 3,908.7 | 3,935.4 | 3,955.1 | 3,983.3 | 4,020.2 | 4,039.3 | 4,066.3 | 4,112.8 | 4,130.4 | 4,156.4 | 4,203.5 | 4,229.8 | 4,269.0 | |
| DISPOSITION OF PERSONAL INCOME † | | | | | | | | | | | | | | | | | | |
| Seasonally adjusted, at annual rates | | | | | | | | | | | | | | | | | | |
| Total personal income | bil \$ | 3,780.0 | 4,062.1 | 3,946.7 | 3,985.9 | 4,001.0 | 4,021.4 | 4,044.9 | 4,075.3 | 4,091.8 | 4,114.7 | 4,175.5 | 4,165.2 | 4,200.8 | 4,271.9 | 4,315.6 | 4,349.7 | |
| Less Personal tax and nontax payments | do | 570.3 | 590.3 | 570.0 | 579.5 | 643.5 | 579.9 | 579.6 | 584.2 | 585.9 | 589.2 | 595.5 | 597.3 | 601.3 | 612.5 | 614.6 | 620.9 | |
| Equals Disposable personal income | do | 3,209.7 | 3,471.8 | 3,376.7 | 3,406.4 | 3,357.6 | 3,441.5 | 3,465.3 | 3,491.1 | 3,505.9 | 3,525.5 | 3,580.0 | 3,567.9 | 3,599.5 | 3,659.4 | 3,701.0 | 3,728.8 | |
| Less Personal outlays | do | 3,105.5 | 3,327.5 | 3,222.9 | 3,247.2 | 3,259.6 | 3,289.8 | 3,331.4 | 3,342.0 | 3,372.6 | 3,371.0 | 3,409.3 | 3,427.7 | 3,449.1 | 3,471.5 | 3,487.3 | 3,494.8 | |
| Personal consumption expenditures | do | 3,012.1 | 3,227.5 | 3,125.4 | 3,149.0 | 3,161.3 | 3,190.9 | 3,231.5 | 3,241.7 | 3,271.7 | 3,270.2 | 3,307.7 | 3,325.4 | 3,346.0 | 3,367.8 | 3,383.2 | 3,390.3 | |
| Durable goods | do.. | 421.9 | 451.1 | 437.4 | 438.9 | 442.6 | 447.4 | 459.3 | 451.6 | 456.2 | 450.8 | 458.6 | 480.2 | 469.1 | 461.0 | 454.3 | 454.3 | |
| Nondurable goods | do | 997.9 | 1,046.9 | 1,011.9 | 1,027.5 | 1,038.2 | 1,046.0 | 1,053.0 | 1,064.4 | 1,065.0 | 1,071.3 | 1,080.9 | 1,069.4 | 1,089.9 | 1,093.9 | 1,098.4 | 1,098.4 | |
| Services | do.. | 1,592.3 | 1,729.6 | 1,676.0 | 1,682.6 | 1,693.1 | 1,705.3 | 1,726.1 | 1,737.1 | 1,751.1 | 1,754.4 | 1,783.2 | 1,785.9 | 1,796.4 | 1,809.8 | 1,828.4 | 1,837.6 | |
| Interest paid by consumers to business | do | 92.1 | 98.9 | 96.4 | 97.1 | 97.5 | 98.1 | 99.1 | 99.4 | 100.0 | 100.0 | 100.4 | 101.3 | 102.0 | 102.6 | 103.0 | 103.4 | |
| Personal transfer payments to foreigners (net) | do | 1.3 | 1.0 | 1.2 | 1.2 | 8 | 8 | 8 | 8 | 8 | 8 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | |
| Equals personal saving | do | 104.2 | 144.3 | 159.8 | 159.1 | 97.9 | 151.7 | 133.9 | 149.1 | 133.3 | 154.5 | 170.8 | 140.1 | 150.4 | 187.9 | 213.7 | 234.0 | |
| Personal saving as percentage of disposable personal income § | percent | 3.2 | 4.2 | 4.4 | 4.1 | 4.0 | 3.7 | 4.2 | 4.0 | 4.2 | 4.3 | 4.4 | 4.3 | 4.4 | 5.0 | 5.7 | | |
| Disposable personal income in constant (1982) dollars | bil \$ | 2,686.3 | 2,788.3 | 2,768.0 | 2,779.2 | 2,721.5 | 2,776.5 | 2,788.4 | 2,797.0 | 2,802.2 | 2,802.0 | 2,832.5 | 2,818.5 | 2,834.3 | 2,862.1 | 2,889.1 | 2,891.8 | |
| Personal consumption expenditures in constant (1982) dollars | do | 2,521.0 | 2,592.2 | 2,562.0 | 2,569.2 | 2,562.5 | 2,574.3 | 2,600.3 | 2,597.3 | 2,615.0 | 2,599.1 | 2,617.1 | 2,626.9 | 2,634.6 | 2,634.1 | 2,641.0 | 2,629.4 | |
| Durable goods | do | 390.9 | 409.7 | 401.7 | 402.0 | 405.0 | 408.7 | 418.0 | 410.4 | 413.2 | 407.6 | 408.1 | 412.7 | 428.8 | 418.7 | 412.6 | 408.2 | |
| Nondurable goods | do | 890.5 | 899.6 | 892.1 | 898.3 | 888.1 | 893.5 | 899.1 | 901.0 | 909.4 | 903.0 | 904.9 | 914.2 | 903.2 | 912.3 | 915.4 | 907.7 | |
| Services | do | 1,239.5 | 1,283.0 | 1,268.2 | 1,269.4 | 1,269.4 | 1,272.0 | 1,283.1 | 1,285.9 | 1,292.3 | 1,288.5 | 1,304.2 | 1,300.0 | 1,302.6 | 1,308.1 | 1,313.0 | 1,313.5 | |
| Implicit price deflator for personal consumption expenditures | index, 1982=100 | 119.5 | 124.5 | 122.0 | 122.6 | 123.4 | 124.0 | 124.3 | 124.8 | 125.1 | 125.8 | 126.4 | 126.6 | 127.0 | 127.9 | 128.1 | 128.9 | |
| INDUSTRIAL PRODUCTION ◊ | | | | | | | | | | | | | | | | | | |
| <i>Federal Reserve Board Index of Quantity Output</i> | | | | | | | | | | | | | | | | | | |
| Not Seasonally Adjusted | | | | | | | | | | | | | | | | | | |
| Total index | 1977=100 | 129.8 | 137.2 | 134.2 | 134.1 | 133.9 | 135.0 | 139.3 | 136.3 | 141.7 | 143.0 | 142.2 | 139.3 | 136.4 | 137.3 | 140.7 | 140.0 | |
| By industry groupings | | | | | | | | | | | | | | | | | | |
| Mining and utilities | do | 104.3 | 107.5 | 111.2 | 106.1 | 103.5 | 101.3 | 106.5 | 108.3 | 112.6 | 107.9 | 105.1 | 106.6 | 109.4 | 110.2 | 111.2 | 106.2 | |
| Manufacturing | do | 134.7 | 142.7 | 138.5 | 139.4 | 139.6 | 141.3 | 145.5 | 141.5 | 147.2 | 149.6 | 149.1 | 145.4 | 141.4 | 142.5 | 146.2 | 146.2 | |
| Nondurable manufactures | do | 136.8 | 143.9 | 138.4 | 139.2 | 139.8 | 140.7 | 146.4 | 145.1 | 151.7 | 152.8 | 151.2 | 146.0 | 141.1 | 141.6 | 145.3 | 145.6 | |
| Durable manufactures | do... | 133.1 | 141.9 | 138.6 | 139.5 | 139.4 | 141.6 | 144.8 | 138.9 | 144.0 | 147.3 | 147.6 | 145.0 | 141.6 | 143.1 | 146.8 | 146.6 | |
| Seasonally Adjusted | | | | | | | | | | | | | | | | | | |
| Total index | do | 129.8 | 137.2 | 134.4 | 134.7 | 135.4 | 136.1 | 136.5 | 138.0 | 138.5 | 138.6 | 139.4 | 139.9 | 140.4 | 141.0 | 141.0 | 141.0 | |
| By market groupings | | | | | | | | | | | | | | | | | | |
| Products, total | do.. | 138.3 | 145.9 | 143.4 | 143.6 | 144.1 | 145.0 | 145.3 | 146.5 | 147.3 | 147.4 | 148.1 | 148.4 | 149.4 | 150.3 | 150.5 | 150.4 | |
| Final products | do | 136.8 | 144.3 | 141.6 | 141.8 | 142.5 | 143.5 | 144.0 | 145.0 | 145.8 | 145.8 | 146.4 | 146.8 | 147.7 | 148.5 | 148.9 | 148.7 | |
| Consumer goods | do | 127.8 | 139.9 | 131.3 | 131.2 | 131.9 | 132.7 | 133.0 | 134.2 | 135.0 | 134.8 | 136.4 | 136.8 | 138.2 | 138.6 | 139.0 | 138.4 | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | 1987 | 1988 | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | |
| GENERAL BUSINESS INDICATORS—Continued | | | | | | | | | | | | | | | | | |
| INDUSTRIAL PRODUCTION ◊—Continued | | | | | | | | | | | | | | | | | |
| Seasonally Adjusted—Continued | | | | | | | | | | | | | | | | | |
| By market groupings—Continued | | | | | | | | | | | | | | | | | |
| Final products—Continued | | | | | | | | | | | | | | | | | |
| Durable consumer goods 1977=100 | 120.2 | 125.3 | 120.6 | 120.4 | 123.3 | 125.6 | 125.3 | 125.3 | 125.7 | 126.3 | 129.3 | 129.2 | 131.9 | 131.8 | 132.4 | 131.3 | |
| Automotive products do | 118.5 | 124.9 | 117.6 | 120.6 | 121.9 | 127.1 | 127.1 | 124.4 | 124.2 | 126.4 | 128.9 | 129.5 | 134.5 | 132.5 | 131.7 | 128.7 | |
| Autos and trucks, consumer do | 115.1 | 122.7 | 111.8 | 116.4 | 118.0 | 126.9 | 125.3 | 120.8 | 123.1 | 124.8 | 128.3 | 129.5 | 138.0 | 135.6 | 133.1 | 127.8 | |
| Autos, consumer do | 90.7 | 93.4 | 79.5 | 86.3 | 91.0 | 98.9 | 99.0 | 98.8 | 93.0 | 97.7 | 101.3 | 101.0 | 105.1 | 99.6 | 96.0 | 94.4 | |
| Trucks, consumer do | 160.5 | 177.0 | 171.6 | 172.2 | 168.2 | 178.9 | 174.1 | 170.8 | 179.0 | 175.3 | 178.4 | 182.4 | 199.1 | 202.3 | 201.9 | 201.9 | |
| Home goods do | 121.6 | 125.6 | 122.8 | 120.2 | 124.3 | 124.4 | 123.9 | 125.9 | 126.8 | 126.2 | 129.7 | 128.9 | 130.0 | 131.2 | 132.9 | 133.2 | |
| Nondurable consumer goods do | 130.6 | 137.1 | 135.3 | 135.1 | 135.1 | 135.4 | 135.8 | 137.5 | 138.5 | 138.0 | 139.0 | 139.7 | 140.5 | 141.1 | 141.5 | 141.1 | |
| Consumer staples do | 137.4 | 144.9 | 142.9 | 142.5 | 142.5 | 143.1 | 143.5 | 145.3 | 146.6 | 145.8 | 147.0 | 147.9 | 148.9 | 149.4 | 149.9 | 149.5 | |
| Consumer foods and tobacco do | 136.3 | 140.9 | 140.6 | 139.4 | 138.3 | 139.2 | 139.3 | 141.1 | 141.3 | 141.1 | 142.4 | 143.7 | 144.5 | 145.2 | 145.2 | 145.2 | |
| Nonfood staples do | 138.5 | 149.1 | 145.0 | 145.7 | 146.8 | 147.0 | 147.9 | 149.6 | 151.2 | 150.7 | 151.8 | 152.2 | 153.6 | 153.7 | 154.7 | 154.0 | |
| Equipment do | 148.9 | 158.2 | 155.3 | 155.9 | 156.5 | 157.7 | 158.5 | 159.4 | 160.1 | 160.4 | 159.7 | 159.9 | 160.4 | 161.6 | 162.0 | 162.3 | |
| Business and defense equipment do | 153.6 | 163.3 | 160.3 | 160.8 | 161.4 | 162.7 | 163.5 | 164.6 | 165.2 | 165.6 | 165.1 | 165.5 | 166.2 | 167.6 | 168.3 | 168.2 | |
| Business equipment do | 144.5 | 157.6 | 152.4 | 153.3 | 154.6 | 156.9 | 158.1 | 159.3 | 160.2 | 160.8 | 160.2 | 161.2 | 162.6 | 164.4 | 165.4 | 165.5 | |
| Construction, mining, and farms do | 62.2 | 71.9 | 67.6 | 68.3 | 70.8 | 71.8 | 72.4 | 73.6 | 73.1 | 74.3 | 74.2 | 74.5 | 74.6 | 74.4 | 74.8 | 75.3 | |
| Manufacturing do | 117.9 | 131.3 | 124.9 | 127.0 | 127.7 | 128.3 | 130.3 | 132.4 | 134.0 | 135.8 | 136.2 | 136.2 | 137.0 | 136.8 | 138.3 | 139.2 | |
| Power do | 82.6 | 89.4 | 88.3 | 87.8 | 87.0 | 87.4 | 88.3 | 89.8 | 90.9 | 92.2 | 91.5 | 92.1 | 91.8 | 92.8 | 93.3 | 93.2 | |
| Commercial do | 226.5 | 245.2 | 240.3 | 239.9 | 241.5 | 245.7 | 247.1 | 248.2 | 249.8 | 248.7 | 245.4 | 247.0 | 253.5 | 255.0 | 255.0 | 256.0 | |
| Transit do | 108.4 | 115.1 | 108.2 | 111.1 | 112.3 | 115.3 | 115.7 | 115.9 | 115.2 | 116.8 | 120.3 | 122.3 | 124.9 | 125.7 | 126.0 | 123.0 | |
| Defense and space equipment do | 188.9 | 185.8 | 191.0 | 189.9 | 187.9 | 185.5 | 184.6 | 184.9 | 184.9 | 184.5 | 184.0 | 182.2 | 180.5 | 180.4 | 179.5 | 178.8 | |
| Intermediate products do | 143.4 | 151.5 | 149.4 | 149.9 | 149.6 | 150.4 | 150.0 | 151.6 | 152.3 | 152.9 | 154.0 | 154.2 | 155.0 | 156.5 | 156.1 | 156.6 | |
| Construction supplies do | 131.5 | 138.6 | 137.7 | 137.3 | 137.6 | 138.8 | 137.6 | 138.4 | 138.1 | 138.4 | 140.0 | 140.7 | 141.4 | 142.3 | 141.5 | 142.0 | |
| Business supplies do | 153.5 | 162.5 | 159.4 | 160.7 | 159.9 | 160.3 | 160.6 | 162.8 | 164.4 | 165.2 | 165.9 | 165.7 | 166.7 | 168.7 | 168.6 | 168.6 | |
| Materials do | 118.2 | 125.2 | 122.1 | 122.5 | 123.6 | 123.9 | 124.5 | 126.4 | 126.5 | 126.5 | 127.5 | 128.3 | 128.3 | 128.3 | 127.9 | 128.0 | |
| Durable goods materials do | 125.0 | 135.4 | 131.4 | 131.3 | 132.7 | 134.8 | 134.9 | 136.8 | 136.6 | 137.8 | 138.9 | 139.8 | 139.0 | 139.8 | 139.1 | 138.7 | |
| Nondurable goods materials do | 125.9 | 132.0 | 128.1 | 130.1 | 131.1 | 130.1 | 130.1 | 132.8 | 133.1 | 132.6 | 134.7 | 135.1 | 136.3 | 137.3 | 137.0 | 137.7 | |
| Energy materials do | 99.8 | 101.5 | 100.6 | 100.6 | 101.0 | 99.5 | 101.3 | 102.7 | 103.2 | 101.5 | 101.3 | 102.3 | 102.6 | 100.3 | 100.4 | 100.9 | |
| By industry groupings | | | | | | | | | | | | | | | | | |
| Mining and utilities do | 104.3 | 107.5 | 106.8 | 106.7 | 107.1 | 106.0 | 106.8 | 108.1 | 109.0 | 107.2 | 107.2 | 108.1 | 108.9 | 107.1 | 107.0 | 107.1 | |
| Mining do | 100.7 | 103.4 | 101.5 | 102.7 | 104.7 | 102.6 | 103.0 | 104.3 | 103.8 | 103.7 | 103.1 | 104.7 | 104.9 | 103.2 | 101.6 | 102.1 | |
| Coal mining do | 77.6 | 83.2 | 83.9 | 84.9 | 86.9 | 86.0 | 82.2 | 94.0 | 96.6 | 99.1 | 101.6 | 104.6 | 111.9 | 107.2 | 107.2 | 139.0 | |
| Coal do | 131.8 | 137.9 | 133.7 | 129.1 | 136.0 | 127.8 | 126.9 | 141.5 | 137.2 | 142.2 | 138.5 | 149.7 | 155.1 | 144.7 | 134.6 | 139.0 | |
| Oil and gas extraction # do | 92.7 | 92.9 | 92.4 | 94.8 | 95.5 | 94.6 | 95.8 | 93.3 | 93.2 | 92.0 | 91.5 | 90.8 | 88.9 | 89.0 | 89.8 | 94.3 | |
| Crude oil do | 100.3 | 98.5 | 98.4 | 100.9 | 101.4 | 99.4 | 100.5 | 98.3 | 97.7 | 97.1 | 95.9 | 96.9 | 95.8 | 94.7 | 94.3 | 94.3 | |
| Natural gas do | 85.5 | 86.6 | 87.1 | 86.1 | 85.4 | 87.2 | 87.7 | 84.9 | 86.0 | 84.1 | 87.4 | 89.2 | 87.0 | 87.0 | 87.0 | 115.5 | |
| Stone and earth minerals do | 128.2 | 139.9 | 134.3 | 136.9 | 142.2 | 140.1 | 137.4 | 140.2 | 141.3 | 139.7 | 142.8 | 144.0 | 149.4 | 151.1 | 145.4 | 145.4 | |
| Utilities do | 110.3 | 114.3 | 115.6 | 113.3 | 111.0 | 111.6 | 113.2 | 114.4 | 117.8 | 113.0 | 113.9 | 113.7 | 115.4 | 118.5 | 116.1 | 115.5 | |
| Electric do | 126.6 | 132.0 | 130.7 | 129.0 | 127.6 | 129.7 | 132.1 | 134.6 | 138.8 | 132.2 | 132.8 | 131.6 | 132.9 | 130.3 | 133.7 | 133.7 | |
| Manufacturing do | 134.7 | 142.7 | 139.5 | 140.0 | 140.8 | 141.8 | 142.1 | 143.6 | 144.0 | 144.4 | 145.3 | 145.8 | 146.3 | 147.4 | 147.5 | 147.4 | |
| Nondurable manufactures do | 136.8 | 143.9 | 141.1 | 141.7 | 142.3 | 142.1 | 142.6 | 144.6 | 145.1 | 145.3 | 146.3 | 146.7 | 147.1 | 148.6 | 148.6 | 148.6 | |
| Food do | 137.8 | 142.7 | 141.9 | 141.1 | 140.3 | 141.0 | 141.3 | 143.3 | 143.3 | 143.2 | 144.0 | 145.7 | 145.8 | 146.7 | 146.7 | 146.7 | |
| Tobacco products do | 109.5 | 105.2 | 107.0 | 107.2 | 107.2 | 107.2 | 104.5 | 100.6 | 105.1 | 105.0 | 105.4 | 102.4 | 107.0 | 107.0 | 107.0 | 192.2 | |
| Textile mill products do | 115.9 | 116.2 | 115.3 | 117.0 | 117.3 | 114.6 | 114.3 | 117.1 | 116.4 | 116.2 | 117.0 | 117.2 | 117.9 | 121.4 | 120.0 | 120.0 | |
| Apparel products do | 107.4 | 109.1 | 108.5 | 108.7 | 109.2 | 108.6 | 109.3 | 109.4 | 108.9 | 109.9 | 109.5 | 110.1 | 108.8 | 110.2 | 110.2 | 199.2 | |
| Paper and products do | 144.4 | 150.3 | 148.0 | 149.1 | 149.2 | 149.5 | 148.6 | 152.3 | 151.0 | 150.9 | 151.8 | 150.7 | 151.7 | 153.8 | 152.3 | 152.3 | |
| Printing and publishing do | 172.1 | 184.2 | 178.7 | 180.4 | 181.8 | 180.7 | 182.3 | 184.9 | 186.7 | 188.0 | 188.1 | 188.5 | 188.0 | 188.5 | 193.5 | 194.2 | |
| Chemicals and products do | 140.2 | 151.9 | 145.4 | 146.4 | 148.9 | 149.1 | 150.5 | 153.4 | 154.8 | 155.3 | 156.7 | 157.5 | 158.1 | 158.9 | 159.0 | 159.0 | |
| Petroleum products do | 93.5 | 96.0 | 95.9 | 98.4 | 98.5 | 95.2 | 94.1 | 95.0 | 96.0 | 93.7 | 96.3 | 95.0 | 98.0 | 98.0 | 99.3 | 96.9 | |
| Rubber and plastics products do | 163.6 | 174.4 | 172.3 | 172.2 | 172.3 | 173.4 | 174.4 | 175.4 | 175.3 | 176.3 | 176.9 | 177.5 | 176.8 | 176.8 | 175.7 | 175.7 | |
| Leather and products do | 60.0 | 59.5 | 59.7 | 59.5 | 58.0 | 57.1 | 58.9 | 59.1 | 59.4 | 59.9 | 61.0 | 61.5 | 60.2 | 62.6 | 63.6 | 63.6 | |
| Durable manufactures do | 133.1 | 141.9 | 138.4 | 138.8 | 139.7 | 141.5 | 141.7 | 142.9 | 143.2 | 143.8 | 144.6 | 145.2 | 145.7 | 146.6 | 146.8 | 146.6 | |
| Lumber and products do | 130.3 | 137.3 | 139.0 | 137.8 | 138.0 | 139.8 | 140.8 | 136.6 | 133.8 | 133.5 | 137.5 | 139.4 | 143.0 | 140.8 | 139.1 | 139.1 | |
| Furniture and fixtures do | 152.8 | 162.1 | 158.3 | 159.4 | 159.2 | 160.5 | 161.2 | 162.9 | 164.9 | 164.9 | 164.5 | 165.4 | 165.4 | 166.6 | 167.5 | 167.5 | |
| Clay, glass, and stone products do | 119.1 | 122.6 | 121.6 | 122.5 | 121.4 | 121.5 | 123.4 | 122.2 | 122.6 | 122.6 | 123.3 | 124.7 | 125.1 | 126.7 | 127.0 | 127.0 | |
| Primary metals do | 81.3 | 89.2 | 86.4 | 85.1 | 85.3 | 89.2 | 87.5 | 91.5 | 90.8 | 93.1 | 94.2 | 92.7 | 90.0 | 93.5 | 91.7 | 91.8 | |
| Iron and steel do | 70.6 | 78.1 | 77.4 | 74.2 | 74.5 | 78.6 | 74.2 | 80.2 | 78.9 | 81.4 | 83.1 | 80.8 | 77.6 | 82.8 | 80.2 | 80.2 | |
| Nonferrous metals do | 101.6 | 110.2 | 108.5 | 105.7 | 105.6 | 109.1 | 112.7 | 112.7 | 113.3 | 115.1 | 115.0 | 115.2 | 113.4 | 113.7 | 113.5 | 113.5 | |
| Fabricated metal products do | 111.0 | 120.9 | 117.6 | 118.8 | 118.8 | 119.8 | 120.4 | 121.7 | 122.1 | 122.1 | 122.6 | 124.6 | 125.1 | 124.9 | 124.9 | 124.8 | |
| Nonelectrical machinery do | 152.7 | 170.8 | 163.6 | 164.6 | 167.2 | 170.3 | 171.2 | 173.1 | 174.1 | 174.8 | 173.8 | 175.4 | 177.8 | 179.5 | 180.8 | 181.3 | |
| Electrical machinery do | 172.3 | 180.1 | 177.8 | 176.6 | 178.7 | 179.1 | 179.5 | 181.5 | 182.2 | 181.8 | 183.0 | 182.2 | 180.9 | 180.9 | 181.8 | 181.9 | |
| Transportation equipment do | 129.2 | 132.1 | 128.4 | 130.0 | 130.4 | 133.1 | 132.8 | 131.9 | 131.8 | 132.7 | 134.8 | 135.2 | 136.8 | 136.8 | 136.8 | 134.8 | |
| Motor vehicles and parts do | 111.8 | 117.2 | 109.3 | 113.0 | 114.8 | 119.6 | 119.1 | 116.6 | 117.5 | 118.5 | 121.7 | 122.9 | 125.5 | 124.9 | 123.3 | 119.1 | |
| Instruments do | 143.9 | 154.3 | 149.2 | 149.7 | 150.5 | 151.3 | 153.0 | 156.4 | 156.8 | 157.8 | 159.9 | 160.4 | 159.1 | 161.5 | 162.0 | 162.0 | |
| BUSINESS SALES | | | | | | | | | | | | | | | | | |
| Mfg and trade sales (unadj.), total † mil \$ | 5,394,437 | 5,829,069 | 445,443 | 493,543 | 473,662 | 485,694 | 509,034 | 461,882 | 495,783 | 504,380 | 506,774 | 501,375 | 533,442 | 466,290 | 475,058 | 475,058 | |

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|---------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|--|
| | 1987 | 1988 | Feb | Mar. | Apr | May | June | July | Aug. | Sept | Oct | Nov | Dec | Jan | Feb | Mar | |
| GENERAL BUSINESS INDICATORS—Continued | | | | | | | | | | | | | | | | | |
| BUSINESS INVENTORIES | | | | | | | | | | | | | | | | | |
| Mfg and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total † | mil \$ | '690,458 | '743,191 | '708,007 | '714,796 | '720,249 | '720,318 | '723,242 | '725,243 | '729,557 | '738,881 | '753,958 | '759,019 | '743,191 | '753,731 | 764,305 | |
| Mfg and trade inventories, book value (non-LIFO basis), end of period, (seas adj), total † | mil \$ | '700,761 | '753,718 | '707,713 | '710,582 | '714,465 | '718,995 | '724,966 | '729,903 | '737,562 | '744,054 | '743,544 | '746,756 | '753,718 | '759,803 | 763,623 | |
| Manufacturing, total | do | 331,132 | 354,163 | 335,416 | 336,635 | 337,986 | 340,074 | 341,963 | 343,788 | 345,798 | 347,785 | 349,412 | 351,603 | 354,163 | 357,458 | 359,087 | |
| Durable goods industries | do | 216,598 | 233,666 | 219,913 | 220,523 | 221,405 | 222,948 | 224,000 | 225,467 | 226,600 | 228,214 | 229,735 | 231,766 | 233,666 | 236,810 | 238,267 | |
| Nondurable goods industries | do | 114,534 | 120,497 | 115,503 | 116,172 | 116,581 | 117,126 | 117,963 | 118,321 | 119,198 | 119,571 | 119,677 | 119,837 | 120,497 | 120,648 | 120,820 | |
| Retail trade, total | do | '206,981 | '221,242 | '205,440 | '205,816 | '206,564 | '208,575 | '210,824 | '211,534 | '215,396 | '219,297 | '216,724 | '218,093 | '221,242 | '222,584 | 224,271 | |
| Durable goods stores | do | '106,271 | '114,994 | '103,757 | '103,254 | '103,895 | '105,860 | '107,064 | '107,443 | '110,146 | '114,303 | '111,689 | '112,904 | '114,994 | '115,704 | 116,001 | |
| Nondurable goods stores | do | '100,710 | '106,248 | '101,683 | '102,562 | '102,669 | '102,715 | '103,760 | '104,091 | '105,250 | '104,994 | '105,035 | '105,189 | '106,248 | '106,880 | 108,270 | |
| Merchant wholesalers, total | do | '162,648 | '178,313 | '166,857 | '168,071 | '169,965 | '170,346 | '172,179 | '174,581 | '176,368 | '176,972 | '177,408 | '177,060 | '178,313 | '179,761 | 180,265 | |
| Durable goods establishments | do | '106,482 | '115,743 | '109,555 | '110,734 | '111,892 | '111,826 | '110,574 | '112,702 | '113,727 | '114,875 | '115,225 | '114,975 | '115,743 | '117,255 | 118,419 | |
| Nondurable goods establishments | do | '56,166 | '62,570 | '57,302 | '57,337 | '58,069 | '59,184 | '61,605 | '61,879 | '62,641 | '62,097 | '62,183 | '62,085 | '62,570 | '62,506 | 61,846 | |
| Mfg and trade inventories in constant (1982) dollars, end of period, (seas adj), total † | bil. \$ | | | 683.2 | 684.9 | 686.2 | 688.0 | 689.7 | 689.4 | 693.3 | 696.1 | 698.1 | 700.5 | 702.7 | 706.3 | 706.6 | |
| Manufacturing | do | | | 325.7 | 326.5 | 327.2 | 327.7 | 327.8 | 328.6 | 329.1 | 329.5 | 330.4 | 332.0 | 333.6 | 333.1 | 333.1 | |
| Retail trade | do | | | 191.2 | 191.7 | 191.9 | 193.9 | 195.1 | 194.1 | 196.4 | 198.1 | 199.1 | 201.2 | 201.3 | 202.7 | 203.7 | |
| Merchant wholesalers | do | | | 166.3 | 166.9 | 167.8 | 166.9 | 166.9 | 167.6 | 168.4 | 168.9 | 168.9 | 169.5 | 169.5 | 170.0 | 169.8 | |
| BUSINESS INVENTORY-SALES RATIOS | | | | | | | | | | | | | | | | | |
| Manufacturing and trade, total † | ratio | 1.50 | 1.50 | 1.52 | 1.50 | 1.51 | 1.51 | 1.50 | 1.51 | 1.50 | 1.52 | 1.50 | 1.50 | 1.50 | 1.48 | 1.51 | |
| Manufacturing, total | do | 1.61 | 1.57 | 1.62 | 1.59 | 1.59 | 1.58 | 1.56 | 1.59 | 1.56 | 1.57 | 1.57 | 1.57 | 1.53 | 1.54 | 1.58 | |
| Durable goods industries | do | 2.00 | 1.94 | 2.00 | 1.96 | 1.97 | 1.94 | 1.92 | 1.99 | 1.92 | 1.98 | 1.94 | 1.93 | 1.88 | 1.92 | 1.97 | |
| Materials and supplies | do | 57 | 55 | 56 | 55 | 56 | 55 | 55 | 57 | 55 | 55 | 54 | 53 | 54 | 55 | 55 | |
| Work in process | do | 91 | 90 | 93 | 90 | 91 | 90 | 89 | 92 | 88 | 88 | 89 | 87 | 88 | 88 | 91 | |
| Finished goods | do | 51 | 49 | 51 | 50 | 50 | 49 | 48 | 50 | 49 | 50 | 50 | 50 | 48 | 50 | 51 | |
| Nondurable goods industries | do | 1.18 | 1.15 | 1.19 | 1.17 | 1.16 | 1.16 | 1.15 | 1.14 | 1.15 | 1.16 | 1.15 | 1.14 | 1.13 | 1.12 | 1.13 | |
| Materials and supplies | do | 46 | 45 | 46 | 46 | 45 | 45 | 45 | 45 | 45 | 46 | 46 | 45 | 44 | 44 | 44 | |
| Work in process | do | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| Finished goods | do | 53 | 51 | 54 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 51 | |
| Retail trade, total | do | '1.57 | '1.58 | '1.56 | '1.54 | '1.57 | '1.58 | '1.58 | '1.58 | '1.61 | '1.64 | '1.60 | '1.59 | '1.62 | '1.61 | 1.61 | |
| Durable goods stores | do | '2.09 | '2.07 | '2.02 | '1.98 | '2.01 | '2.05 | '2.06 | '2.07 | '2.14 | '2.23 | '2.13 | '2.11 | '2.14 | '2.15 | 2.19 | |
| Nondurable goods stores | do | 1.25 | 1.27 | '1.26 | '1.26 | '1.30 | 1.28 | '1.29 | 1.28 | 1.28 | 1.27 | 1.26 | 1.26 | 1.28 | '1.24 | 1.25 | |
| Merchant wholesalers, total | do | '1.27 | 1.30 | '1.31 | '1.31 | '1.32 | '1.32 | '1.30 | '1.30 | '1.31 | '1.31 | '1.28 | '1.29 | '1.31 | '1.28 | 1.28 | |
| Durable goods establishments | do | '1.70 | 1.72 | '1.76 | '1.75 | '1.75 | '1.73 | '1.71 | '1.72 | '1.74 | 1.73 | 1.70 | 1.68 | 1.69 | '1.67 | 1.68 | |
| Nondurable goods establishments | do | '85 | 89 | '88 | '88 | '90 | '91 | '91 | '91 | '90 | '90 | '88 | '90 | '92 | '89 | 88 | |
| Manufacturing and trade in constant (1982) dollars, total † | do | | | 1.52 | 1.50 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.52 | 1.51 | 1.51 | 1.51 | 1.51 | 1.58 | |
| Manufacturing | do | | | 1.62 | 1.60 | 1.60 | 1.59 | 1.58 | 1.60 | 1.58 | 1.58 | 1.58 | 1.58 | 1.55 | '1.57 | 1.59 | |
| Retail trade | do | | | 1.57 | 1.56 | 1.57 | 1.58 | 1.59 | 1.57 | 1.59 | 1.62 | 1.61 | 1.60 | 1.61 | 1.62 | 1.64 | |
| Merchant wholesalers | do | | | 1.31 | 1.31 | 1.32 | 1.32 | 1.31 | 1.32 | 1.32 | 1.33 | 1.31 | 1.31 | 1.33 | 1.31 | 1.31 | |
| MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS † | | | | | | | | | | | | | | | | | |
| Shipments (not seas adj), total | mil \$ | 2,390,045 | 2,611,589 | 207,962 | 222,888 | 213,670 | 216,450 | 232,773 | 199,670 | 217,031 | 234,386 | 229,541 | 222,837 | 226,032 | '212,037 | 228,025 | |
| Durable goods industries, total | do | 1,263,492 | 1,388,211 | 110,727 | 121,221 | 114,059 | 116,049 | 126,159 | 101,393 | 112,493 | 125,058 | 122,606 | 118,636 | 122,482 | '110,887 | 121,498 | |
| Stone, clay, and glass products | do | 62,142 | 64,044 | 4,933 | 5,374 | 5,445 | 5,505 | 5,787 | 4,999 | 5,653 | 5,852 | 5,745 | 5,607 | 4,815 | '4,849 | 5,043 | |
| Primary metals | do | 117,092 | 142,196 | 11,112 | 12,510 | 11,772 | 11,970 | 12,922 | 10,728 | 11,930 | 12,614 | 12,614 | 12,308 | 11,796 | '12,181 | 12,839 | |
| Blast furnaces, steel mills | do | 50,812 | 60,950 | 5,081 | 5,417 | 5,303 | 5,256 | 5,577 | 4,641 | 4,978 | 5,193 | 5,187 | 4,945 | 4,836 | '5,068 | 5,148 | |
| Fabricated metal products | do | 135,005 | 144,064 | 11,704 | 12,446 | 11,951 | 12,338 | 13,338 | 10,832 | 11,845 | 12,696 | 12,736 | 12,234 | 11,732 | '11,771 | 13,060 | |
| Machinery, except electrical | do | 216,605 | 247,152 | 18,955 | 21,993 | 19,929 | 20,147 | 23,727 | 18,553 | 19,565 | 23,111 | 20,841 | 20,124 | 23,686 | '18,612 | 21,368 | |
| Electrical machinery | do | 210,695 | 227,136 | 18,187 | 19,752 | 17,760 | 18,309 | 20,102 | 16,961 | 18,845 | 21,239 | 19,222 | 19,640 | 20,728 | '17,642 | 19,108 | |
| Transportation equipment | do | 323,026 | 351,927 | 28,860 | 31,488 | 29,219 | 30,383 | 31,388 | 22,550 | 27,100 | 30,570 | 32,582 | 31,334 | 31,993 | '29,190 | 32,463 | |
| Motor vehicles and parts | do | 197,049 | 219,257 | 18,475 | 19,423 | 18,686 | 19,646 | 19,783 | 12,605 | 16,616 | 19,156 | 21,348 | 20,049 | 18,020 | '20,158 | 21,780 | |
| Instruments and related products | do | 66,805 | 72,456 | 5,716 | 6,263 | 5,939 | 5,894 | 6,590 | 5,895 | 5,900 | 6,543 | 6,150 | 5,901 | 6,523 | '5,890 | 6,116 | |
| Nondurable goods industries, total | do | 1,126,553 | 1,223,378 | 97,235 | 101,667 | 99,611 | 100,401 | 106,614 | 98,277 | 104,538 | 109,328 | 106,935 | 104,201 | 103,550 | '101,150 | 106,527 | |
| Food and kindred products | do | 324,996 | 356,804 | 27,971 | 29,178 | 28,438 | 29,130 | 31,036 | 29,479 | 29,913 | 32,455 | 31,339 | 30,582 | 30,719 | '29,650 | 31,460 | |
| Tobacco products | do | 19,935 | 22,240 | 1,466 | 2,106 | 1,444 | 2,244 | 2,192 | 1,275 | 1,771 | 2,353 | 1,696 | 2,253 | 2,455 | 1,218 | 1,564 | |
| Textile mill products | do | 57,481 | 59,774 | 4,726 | 5,103 | 4,872 | 4,888 | 5,419 | 4,256 | 5,186 | 5,599 | 5,243 | 5,221 | 5,118 | '4,742 | 5,341 | |
| Paper and allied products | do | 110,252 | 124,187 | 10,075 | 10,194 | 10,213 | 10,201 | 10,859 | 10,639 | 10,782 | 10,782 | 10,727 | 10,373 | 10,528 | '10,822 | 11,020 | |
| Chemical and allied products | do | 212,705 | 240,476 | 19,883 | 20,721 | 20,419 | 19,838 | 20,887 | 18,748 | 20,342 | 21,051 | 20,269 | 20,104 | 20,397 | '20,553 | 21,378 | |
| Petroleum and coal products | do | 124,528 | 124,218 | 9,542 | 9,847 | 10,395 | 10,556 | 10,867 | 10,977 | 10,966 | 10,365 | 10,490 | 10,120 | 10,363 | '10,044 | 10,135 | |
| Rubber and plastics products | do | 80,510 | 91,089 | 7,249 | 7,668 | 7,619 | 7,662 | 8,066 | 6,935 | 7,707 | 8,159 | 8,335 | 7,724 | 7,518 | '7,885 | 8,175 | |
| Shipments (seas adj), total | do | | | 206,932 | 211,778 | 213,036 | 215,777 | 218,881 | 216,698 | 221,715 | 221,395 | 222,917 | 224,632 | 230,827 | '231,485 | 227,613 | |
| By industry group | do | | | 109,829 | 112,744 | 112,521 | 114,751 | 116,522 | 113,122 | 117,866 | 118,030 | 118,439 | 119,874 | 124,175 | '123,578 | 120,799 | |
| Durable goods industries, total # | do | | | 5,226 | 5,299 | 5,184 | 5,311 | 5,305 | 5,115 | 5,435 | 5,399 | 5,442 | 5,588 | 5,549 | '5,575 | 5,358 | |
| Stone, clay, and glass products | do | | | 10,785 | 11,472 | 11,254 | 11,576 | 12,201 | 11,667 | 11,990 | 12,334 | 12,369 | 12,709 | 12,861 | '12,869 | 12,542 | |
| Primary metals | do | | | 4,882 | 5,152 | 5,023 | 5,061 | 5,160 | 5,032 | 5,091 | 5,211 | 5,151 | 5,206 | 5,201 | '5,222 | 5,037 | |
| Blast furnaces, steel mills | do | | | 11,659 | 11,779 | 11,785 | 12,082 | 12,398 | 11,519 | 11,870 | 12,049 | 12,123 | 12,597 | 12,865 | '13,198 | 12,915 | |
| Fabricated metal products | do | | | 19,368 | 19,692 | 20,113 | 20,346 | 21,003 | 20,749 | 21,488 | 21,224 | 20,970 | 20,894 | 21,642 | '21,491 | 21,891 | |
| Machinery, except electrical | do | | | 18,235 | 18,480 | 18,444 | 18,888 | 18,742 | 19,019 | 19,131 | 19,354 | 18,931 | 19,099 | 19,953 | | | |

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

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|--------|------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | 1987 | 1988 | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | |
| GENERAL BUSINESS INDICATORS—Continued | | | | | | | | | | | | | | | | | |
| MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †—Continued | | | | | | | | | | | | | | | | | |
| Shipments (seas adj)—Continued | | | | | | | | | | | | | | | | | |
| By market category | | | | | | | | | | | | | | | | | |
| Home goods and apparel | ml \$ | '164,861 | '170,860 | 13,962 | 13,786 | 13,890 | 13,958 | 14,297 | 14,270 | 14,073 | 14,328 | 14,386 | 14,454 | 15,108 | 14,699 | | |
| Consumer staples | do | '461,025 | '501,301 | 39,749 | 40,507 | 41,266 | 41,474 | 41,538 | 41,765 | 42,823 | 42,458 | 42,969 | 43,253 | 44,518 | 44,467 | 44,318 | |
| Equipment and defense products, except auto | do | '391,189 | '433,296 | 34,524 | 35,337 | 35,398 | 35,651 | 36,286 | 36,557 | 36,507 | 37,042 | 36,395 | 36,587 | 38,315 | 37,178 | 37,088 | |
| Automotive equipment | do | '223,069 | '248,003 | 18,996 | 19,854 | 19,622 | 20,755 | 20,793 | 18,685 | 21,888 | 21,188 | 22,076 | 22,243 | 23,527 | 23,343 | 22,332 | |
| Construction materials, supplies, and intermediate products | do | '192,664 | '204,769 | 16,795 | 16,983 | 16,976 | 16,958 | 17,125 | 16,646 | 16,963 | 17,045 | 17,113 | 17,529 | 18,102 | 18,390 | 17,386 | |
| Other materials, supplies, and intermediate products | do | '957,237 | '1,052,710 | 82,906 | 85,311 | 85,884 | 86,981 | 88,842 | 88,775 | 89,461 | 89,334 | 89,978 | 90,616 | 92,048 | 92,999 | 91,790 | |
| Supplementary series | | | | | | | | | | | | | | | | | |
| Household durables | do | '75,607 | '79,219 | 6,509 | 6,416 | 6,484 | 6,567 | 6,292 | 6,424 | 6,571 | 6,638 | 6,671 | 6,949 | 6,984 | 6,933 | 6,990 | |
| Capital goods industries | do | '445,633 | '486,607 | 38,776 | 39,906 | 39,542 | 40,045 | 40,543 | 40,675 | 41,449 | 41,353 | 41,026 | 41,172 | 42,772 | 42,060 | 41,782 | |
| Nondefense | do | '336,190 | '380,017 | 30,179 | 30,593 | 31,001 | 31,668 | 31,822 | 32,012 | 32,414 | 32,523 | 32,595 | 32,512 | 32,675 | 33,330 | 33,344 | |
| Defense | do | '109,443 | '106,590 | 8,597 | 9,313 | 8,541 | 8,377 | 8,721 | 8,663 | 9,035 | 8,830 | 8,481 | 8,660 | 10,097 | 8,730 | 8,438 | |
| Inventories, end of year or month | | | | | | | | | | | | | | | | | |
| Book value (non-LIFO basis), (unadjusted), total | | | | | | | | | | | | | | | | | |
| Durable goods industries, total | do | 325,695 | 348,465 | 336,650 | 337,892 | 340,312 | 343,446 | 342,678 | 344,304 | 346,830 | 346,388 | 348,699 | 350,223 | 348,465 | 356,430 | 360,803 | |
| Non-durable goods industries, total | do | 212,265 | 229,040 | 220,394 | 221,136 | 223,119 | 225,646 | 225,046 | 226,096 | 227,521 | 227,815 | 229,283 | 230,625 | 229,040 | 235,168 | 239,018 | |
| Book value (non-LIFO basis), (seasonally adjusted), total | do | 113,430 | 119,425 | 116,256 | 116,256 | 117,193 | 117,800 | 117,632 | 118,208 | 119,309 | 118,573 | 119,416 | 119,598 | 119,425 | 121,262 | 121,785 | |
| By industry group | | | | | | | | | | | | | | | | | |
| Durable goods industries, total # | | | | | | | | | | | | | | | | | |
| Stone, clay, and glass products | do | 216,598 | 238,666 | 219,913 | 220,523 | 221,405 | 222,948 | 224,000 | 225,467 | 226,600 | 228,214 | 229,735 | 231,766 | 233,666 | 236,810 | 238,267 | |
| Primary metals | do | 7,216 | 7,505 | 7,217 | 7,189 | 7,220 | 7,297 | 7,198 | 7,276 | 7,293 | 7,359 | 7,551 | 7,464 | 7,565 | 7,607 | 7,607 | |
| Blast furnaces, steel mills | do | 18,189 | 20,279 | 18,790 | 18,845 | 18,851 | 18,887 | 18,730 | 18,958 | 19,246 | 19,544 | 19,825 | 19,980 | 20,279 | 20,589 | 20,784 | |
| Fabricated metal products | do | 8,590 | 10,119 | 9,004 | 9,046 | 9,103 | 9,067 | 9,029 | 9,206 | 9,351 | 9,551 | 9,677 | 9,763 | 10,119 | 10,222 | 10,363 | |
| Machinery, except electrical | do | 22,684 | 23,552 | 23,142 | 22,900 | 23,129 | 23,111 | 22,831 | 22,928 | 23,266 | 23,496 | 23,430 | 23,478 | 23,552 | 23,776 | 23,813 | |
| Electrical machinery | do | 41,935 | 46,729 | 42,441 | 42,846 | 43,013 | 43,497 | 43,942 | 44,391 | 45,123 | 45,797 | 45,992 | 46,172 | 46,729 | 47,407 | 47,560 | |
| Transportation equipment | do | 39,396 | 40,683 | 39,642 | 39,526 | 39,440 | 39,438 | 39,495 | 39,358 | 39,791 | 39,797 | 40,010 | 40,746 | 40,683 | 41,090 | 41,396 | |
| Motor vehicles and parts | do | 57,203 | 63,229 | 58,206 | 58,739 | 59,309 | 59,997 | 60,932 | 61,206 | 60,621 | 60,933 | 61,578 | 62,305 | 63,229 | 64,660 | 65,308 | |
| Instruments and related products | do | 11,391 | 11,839 | 11,606 | 11,485 | 11,443 | 11,419 | 11,574 | 11,548 | 11,618 | 11,568 | 11,657 | 11,872 | 11,839 | 12,282 | 12,264 | |
| By stage of fabrication | do | 12,669 | 14,040 | 12,786 | 12,802 | 12,907 | 13,109 | 13,127 | 13,275 | 13,455 | 13,513 | 13,578 | 13,798 | 14,040 | 14,125 | 14,246 | |
| Materials and supplies | do | 61,255 | 65,252 | 61,830 | 62,582 | 62,541 | 63,105 | 63,522 | 64,138 | 64,898 | 65,253 | 65,324 | 65,298 | 65,252 | 66,273 | 67,035 | |
| Work in process | do | 99,952 | 108,392 | 101,955 | 101,709 | 102,665 | 103,678 | 104,112 | 104,257 | 103,927 | 104,440 | 105,239 | 106,884 | 108,392 | 109,809 | 110,125 | |
| Finished goods | do | 55,931 | 60,022 | 56,128 | 56,262 | 56,199 | 56,165 | 56,366 | 57,072 | 57,675 | 58,521 | 59,172 | 59,584 | 60,022 | 61,102 | 61,074 | |
| Non-durable goods industries, total # | | | | | | | | | | | | | | | | | |
| Food and kindred products | do | 114,534 | 120,497 | 115,503 | 116,172 | 116,531 | 117,126 | 117,963 | 118,321 | 119,198 | 119,571 | 119,677 | 119,837 | 120,497 | 120,648 | 120,820 | |
| Tobacco products | do | 24,744 | 26,361 | 24,861 | 24,962 | 25,069 | 25,140 | 25,666 | 25,548 | 25,688 | 25,742 | 25,791 | 26,003 | 26,361 | 26,266 | 26,278 | |
| Textile mill products | do | 5,586 | 5,609 | 5,606 | 5,638 | 5,669 | 5,613 | 5,703 | 5,784 | 5,848 | 5,763 | 5,810 | 5,710 | 5,609 | 5,549 | 5,414 | |
| Paper and allied products | do | 7,458 | 7,605 | 7,495 | 7,484 | 7,552 | 7,588 | 7,571 | 7,742 | 7,737 | 7,545 | 7,620 | 7,648 | 7,605 | 7,636 | 7,626 | |
| Chemicals and allied products | do | 11,242 | 12,065 | 11,393 | 11,316 | 11,391 | 11,390 | 11,436 | 11,530 | 11,647 | 11,775 | 11,835 | 11,939 | 12,065 | 12,093 | 12,015 | |
| Petroleum and coal products | do | 25,061 | 27,515 | 25,765 | 25,922 | 25,638 | 25,742 | 25,954 | 26,154 | 26,544 | 26,882 | 27,060 | 27,235 | 27,515 | 27,601 | 27,751 | |
| Rubber and plastics products | do | 9,951 | 8,879 | 9,693 | 9,937 | 10,055 | 10,154 | 10,024 | 9,839 | 9,518 | 9,336 | 9,092 | 8,757 | 8,879 | 9,376 | 9,486 | |
| By stage of fabrication | do | 9,112 | 10,326 | 9,387 | 9,381 | 9,323 | 9,383 | 9,523 | 9,685 | 9,847 | 10,089 | 10,298 | 10,394 | 10,326 | 10,418 | 10,344 | |
| Materials and supplies | do | 44,354 | 47,294 | 44,858 | 45,458 | 45,758 | 45,790 | 46,255 | 46,350 | 46,931 | 47,364 | 47,611 | 47,664 | 47,294 | 46,963 | 46,865 | |
| Work in process | do | 18,752 | 19,291 | 18,610 | 18,891 | 19,061 | 19,075 | 19,050 | 19,218 | 19,163 | 19,110 | 19,172 | 19,071 | 19,291 | 19,532 | 19,576 | |
| Finished goods | do | 51,428 | 53,912 | 52,035 | 51,823 | 51,892 | 52,261 | 52,658 | 52,753 | 53,104 | 53,097 | 52,894 | 53,102 | 53,912 | 54,153 | 54,379 | |
| By market category | | | | | | | | | | | | | | | | | |
| Home goods and apparel | do | 26,772 | 26,313 | 26,689 | 26,645 | 26,492 | 26,696 | 26,463 | 26,544 | 26,662 | 26,478 | 26,328 | 26,459 | 26,313 | 26,177 | 26,151 | |
| Consumer staples | do | 42,399 | 44,900 | 42,704 | 43,068 | 43,111 | 43,010 | 43,510 | 43,793 | 44,157 | 44,282 | 44,367 | 44,485 | 44,900 | 44,206 | 44,242 | |
| Equipment and defense prod, exc auto | do | 96,004 | 105,287 | 97,063 | 98,120 | 98,492 | 99,582 | 100,817 | 100,716 | 101,110 | 101,871 | 102,586 | 103,320 | 105,287 | 106,390 | 107,615 | |
| Automotive equipment | do | 14,013 | 14,611 | 14,201 | 14,088 | 14,062 | 14,068 | 14,309 | 14,414 | 14,411 | 14,415 | 14,533 | 14,717 | 14,611 | 15,002 | 15,005 | |
| Construction materials, supplies, and intermediate products | do | 24,232 | 25,250 | 24,844 | 24,618 | 24,758 | 24,857 | 24,762 | 25,202 | 25,142 | 25,184 | 25,392 | 25,303 | 25,250 | 25,201 | 25,104 | |
| Other materials, supplies, and intermediate products | do | 127,722 | 137,802 | 129,915 | 130,156 | 131,021 | 131,861 | 132,102 | 133,119 | 134,316 | 135,555 | 136,206 | 137,319 | 137,802 | 140,482 | 140,970 | |
| Supplementary series | | | | | | | | | | | | | | | | | |
| Household durables | do | 12,843 | 12,791 | 12,924 | 12,801 | 12,599 | 12,650 | 12,609 | 12,653 | 12,620 | 12,614 | 12,600 | 12,712 | 12,791 | 12,952 | 12,936 | |
| Capital goods industries | do | 110,643 | 121,064 | 112,012 | 112,971 | 113,659 | 114,538 | 116,012 | 116,243 | 116,653 | 117,020 | 118,529 | 119,318 | 121,064 | 122,944 | 124,004 | |
| Nondefense | do | 77,139 | 85,991 | 78,153 | 79,036 | 79,620 | 80,143 | 80,684 | 81,444 | 82,582 | 82,781 | 83,119 | 83,167 | 85,691 | 87,167 | 88,279 | |
| Defense | do | 33,504 | 35,373 | 33,859 | 33,945 | 34,069 | 34,695 | 35,328 | 34,799 | 34,071 | 34,839 | 35,410 | 35,351 | 35,373 | 35,777 | 35,761 | |
| New orders, net (unadj), total | | | | | | | | | | | | | | | | | |
| Durable goods industries, total | do | 2,423,597 | 2,659,525 | 215,304 | 225,993 | 216,330 | 214,369 | 239,026 | 203,370 | 218,860 | 234,757 | 231,583 | 225,235 | 235,710 | 222,407 | 234,123 | |
| Non-durable goods industries, total | do | 1,130,361 | 1,223,920 | 97,603 | 101,911 | 99,441 | 100,236 | 106,633 | 98,993 | 104,450 | 109,173 | 106,413 | 103,941 | 103,880 | 101,421 | 106,501 | |
| New orders, net (seas adj), total | | | | | | | | | | | | | | | | | |
| Durable goods industries, total | do | '1,293,236 | '1,435,605 | 114,155 | 113,063 | 116,886 | 115,369 | 125,442 | 116,112 | 122,806 | 119,321 | 122,791 | 123,035 | 132,149 | 128,479 | 124,203 | |
| Primary metals | do | '122,590 | '144,128 | 11,074 | 11,553 | 11,200 | 12,348 | 12,271 | 12,103 | 11,794 | 12,496 | 12,428 | 12,624 | 13,210 | 13,079 | 12,656 | |
| Blast furnaces, steel mills | do | '53,724 | '60,273 | 4,607 | 5,130 | 4,692 | 5,654 | 5,210 | 5,085 | 4,788 | 5,301 | 4,730 | 4,950 | 5,350 | 5,840 | 5,119 | |
| Nonferrous and other primary metals | do | '68,866 | '83,855 | 6,467 | 6,423 | 6,568 | 6,714 | 6,963 | 6,967 | 6,974 | 7,115 | 7,697 | 7,674 | 7,860 | 7,230 | 7,537 | |
| Fabricated metal products | do | '136,451 | '142,602 | 11,918 | 11,775 | 11,640 | 12,038 | 11,958 | 11,471 | 11,658 | 12,007 | 12,026 | 12,411 | 12,917 | 12,983 | 13,268 | |
| Machinery, except electrical | do | '221,041 | '253,798 | 19,815 | 20,097 | 21,051 | 20,969 | 22,018 | 21,408 | 22,851 | 21,459 | 21,131 | 21,443 | 21,710 | 22,844 | 21,878 | |
| Electrical machinery | do | '212,442 | '227,440 | 18,082 | 17,839 | 18,417 | 18,865 | 18,461 | 19,039 | 19,025 | 18,629 | 18,977 | 20,110 | 19,922 | 19,563 | 19,782 | |
| Transportation equipment | do | '337,585 | '388,832 | 30,486 | 29,664 | 31,435 | 28, | | | | | | | | | | |

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| | 1987 | 1988 | 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 \$ | 415,998 | 463,934 | 433,979 | 437,084 | 439,744 | 437,663 | 443,916 | 447,616 | 449,445 | 449,816 | 451,858 | 454,256 | 463,934 | 474,304 | 480,402 | |
| Durable goods industries, total | do | 396,563 | 443,957 | 413,551 | 416,412 | 419,242 | 417,326 | 423,560 | 426,544 | 428,461 | 428,987 | 431,551 | 434,209 | 443,957 | 454,056 | 460,180 | |
| Nondurable goods industries with unfilled orders ‡ | do | 19,435 | 19,977 | 20,428 | 20,672 | 20,502 | 20,337 | 20,356 | 21,072 | 20,984 | 20,829 | 20,307 | 20,047 | 19,977 | 20,248 | 20,222 | |
| Unfilled orders, end of period (seasonally adjusted) total | mil. \$ | 421,243 | 468,860 | 429,513 | 429,534 | 433,527 | 434,148 | 443,357 | 446,536 | 451,830 | 453,103 | 457,281 | 460,802 | 468,860 | 473,450 | 476,517 | |
| By industry group. | | | | | | | | | | | | | | | | | |
| Durable goods industries, total | # | 400,720 | 447,868 | 408,990 | 409,309 | 413,624 | 414,242 | 423,162 | 426,152 | 431,092 | 432,382 | 436,734 | 439,895 | 447,868 | 452,769 | 456,173 | |
| Primary metals | do | 23,896 | 25,737 | 24,143 | 24,224 | 24,170 | 24,942 | 25,012 | 25,448 | 25,252 | 25,414 | 25,473 | 25,389 | 25,737 | 25,947 | 26,061 | |
| Blast furnaces, steel mills | do | 11,637 | 10,903 | 11,301 | 11,279 | 10,948 | 11,541 | 11,581 | 11,644 | 11,341 | 11,431 | 11,010 | 10,754 | 10,903 | 11,521 | 11,603 | |
| Nonferrous and other primary metals | do | 10,255 | 12,591 | 10,807 | 10,872 | 11,136 | 11,293 | 11,295 | 11,626 | 11,707 | 11,757 | 12,219 | 12,428 | 12,591 | 12,121 | 12,126 | |
| Fabricated metal products | do | 29,970 | 28,406 | 29,592 | 29,588 | 29,443 | 29,399 | 28,959 | 28,911 | 28,679 | 28,637 | 28,540 | 28,354 | 28,406 | 28,191 | 28,544 | |
| Machinery, except electrical | do | 52,702 | 59,963 | 53,898 | 54,303 | 55,241 | 55,864 | 56,679 | 57,538 | 58,901 | 59,136 | 59,347 | 59,896 | 59,963 | 60,856 | 60,843 | |
| Electrical machinery | do | 93,696 | 93,498 | 94,255 | 93,614 | 93,587 | 93,564 | 93,283 | 93,303 | 93,197 | 92,472 | 92,518 | 93,529 | 93,498 | 93,267 | 93,770 | |
| Transportation equipment | do | 173,733 | 212,120 | 180,058 | 180,960 | 184,384 | 183,537 | 192,008 | 193,995 | 198,019 | 199,676 | 203,650 | 205,091 | 212,120 | 216,419 | 219,119 | |
| Aircraft, missiles, and parts | do | 144,343 | 174,722 | 150,535 | 150,744 | 153,599 | 153,459 | 157,516 | 159,569 | 162,950 | 165,376 | 168,121 | 169,763 | 174,722 | 179,176 | 181,115 | |
| Nondurable goods industries with unfilled orders ‡ | do | 20,523 | 20,992 | 20,523 | 20,225 | 19,903 | 19,906 | 20,195 | 20,384 | 20,738 | 20,721 | 20,547 | 20,907 | 20,992 | 20,681 | 20,344 | |
| By market category: | | | | | | | | | | | | | | | | | |
| Home goods and apparel | do | 9,075 | 8,387 | 9,352 | 8,725 | 8,630 | 8,237 | 8,287 | 8,024 | 8,121 | 8,295 | 8,173 | 8,200 | 8,387 | 7,736 | 8,604 | |
| Consumer staples | do | 675 | 836 | 771 | 792 | 735 | 711 | 705 | 835 | 883 | 881 | 848 | 863 | 836 | 786 | 755 | |
| Equip and defense prod., excl. auto | do | 252,751 | 286,731 | 258,043 | 258,669 | 260,278 | 259,242 | 267,218 | 269,814 | 272,590 | 271,890 | 274,659 | 278,513 | 286,731 | 290,025 | 293,733 | |
| Automotive equipment | do | 9,239 | 8,888 | 8,860 | 8,866 | 8,996 | 9,019 | 8,882 | 8,878 | 8,715 | 8,727 | 8,714 | 8,782 | 8,888 | 8,840 | 8,842 | |
| Construction materials, supplies, and intermediate products | do | 15,060 | 15,541 | 15,155 | 15,498 | 15,304 | 15,316 | 15,475 | 15,435 | 15,494 | 15,450 | 15,527 | 15,545 | 15,541 | 15,314 | 15,166 | |
| Other materials, supplies, and intermediate products | do | 134,443 | 148,477 | 137,332 | 136,984 | 139,584 | 141,623 | 142,790 | 143,550 | 146,027 | 147,860 | 149,360 | 148,899 | 148,477 | 149,749 | 149,417 | |
| Supplementary series. | | | | | | | | | | | | | | | | | |
| Household durables | do | 6,480 | 6,122 | 6,636 | 6,103 | 6,080 | 5,856 | 5,886 | 5,720 | 5,817 | 5,965 | 5,884 | 5,898 | 6,122 | 6,395 | 6,274 | |
| Capital goods industries | do | 301,674 | 345,037 | 309,136 | 309,219 | 313,294 | 312,986 | 321,730 | 324,263 | 329,659 | 330,635 | 334,927 | 337,971 | 345,037 | 350,144 | 353,766 | |
| Nondefense | do | 189,814 | 179,640 | 147,047 | 148,378 | 151,123 | 150,977 | 154,613 | 158,814 | 165,208 | 167,543 | 169,571 | 172,884 | 179,640 | 186,662 | 190,379 | |
| Defense | do | 161,860 | 165,397 | 162,089 | 160,841 | 162,171 | 162,009 | 167,117 | 165,449 | 164,451 | 163,092 | 165,356 | 165,087 | 165,397 | 163,482 | 163,387 | |
| BUSINESS INCORPORATIONS @ | | | | | | | | | | | | | | | | | |
| New incorporations (50 States and Dist. Col.) | do | 685,572 | 684,109 | 57,030 | 67,757 | 57,144 | 59,547 | 58,806 | 53,439 | 60,186 | 53,993 | 54,521 | 49,186 | 58,165 | 58,037 | 58,505 | |
| Unadjusted | do | | | 57,030 | 67,757 | 57,144 | 59,547 | 58,806 | 53,439 | 60,186 | 53,993 | 54,521 | 49,186 | 58,165 | 58,037 | 58,505 | |
| Seasonally adjusted | do | | | 57,490 | 59,698 | 54,841 | 58,379 | 54,908 | 57,277 | 59,649 | 56,126 | 56,557 | 53,638 | 58,516 | 58,505 | | |
| INDUSTRIAL AND COMMERCIAL FAILURES @ | | | | | | | | | | | | | | | | | |
| Failures, total | number | 61,235 | 5,062 | 5,851 | 5,118 | 4,957 | 4,702 | 4,511 | 4,984 | 4,599 | 4,146 | 4,262 | | | | | |
| Commercial service | do | 24,023 | 2,011 | 2,439 | 1,990 | 1,969 | 1,847 | 1,763 | 2,077 | 1,958 | 1,798 | 1,531 | | | | | |
| Construction | do | 6,724 | 575 | 666 | 614 | 570 | 574 | 560 | 556 | 563 | 479 | 597 | | | | | |
| Manufacturing and mining | do | 4,939 | 422 | 491 | 417 | 415 | 424 | 362 | 436 | 383 | 320 | 350 | | | | | |
| Retail trade | do | 12,185 | 1,043 | 1,104 | 1,024 | 1,008 | 929 | 908 | 983 | 905 | 801 | 888 | | | | | |
| Wholesale trade | do | 4,304 | 391 | 432 | 432 | 369 | 390 | 401 | 394 | 317 | 297 | 319 | | | | | |
| Liabilities (current), total | mil. \$ | 33,024.5 | 4,625.5 | 3,292.0 | 3,065.6 | 2,316.5 | 2,453.4 | 4,565.0 | 2,248.1 | 3,533.0 | 1,825.5 | 2,047.5 | | | | | |
| Commercial service | do | 8,088.7 | 1,410.4 | 899.2 | 766.0 | 612.6 | 702.1 | 604.6 | 624.5 | 500.0 | 385.2 | 343.1 | | | | | |
| Construction | do | 2,278.6 | 177.6 | 350.0 | 87.7 | 113.6 | 238.9 | 140.8 | 201.1 | 107.7 | 118.3 | 109.5 | | | | | |
| Manufacturing and mining | do | 4,746.4 | 1,195.8 | 347.8 | 242.1 | 295.6 | 354.9 | 176.6 | 499.6 | 183.8 | 228.9 | 355.4 | | | | | |
| Retail trade | do | 3,713.7 | 162.6 | 279.0 | 237.0 | 197.9 | 177.9 | 1,637.3 | 178.0 | 151.5 | 245.4 | 413.9 | | | | | |
| Wholesale trade | do | 1,336.8 | 688.9 | 214.5 | 123.8 | 110.9 | 285.1 | 148.6 | 104.7 | 87.3 | 80.7 | 91.2 | | | | | |
| Failure annual rate. No per 10,000 concerns. | do | 102.0 | | | | | | | | | | | | | | | |
| COMMODITY PRICES | | | | | | | | | | | | | | | | | |
| PRICES RECEIVED AND PAID BY FARMERS † | | | | | | | | | | | | | | | | | |
| Prices received, all farm products.. 1910-14=100 | | 578 | 630 | 593 | 593 | 595 | 614 | 631 | 648 | 659 | 659 | 654 | 657 | 663 | 682 | 677 | 681 |
| Crops # | do | 458 | 543 | 473 | 478 | 485 | 507 | 557 | 590 | 588 | 584 | 577 | 588 | 590 | 604 | 595 | 593 |
| Commercial vegetables | do | 718 | 705 | 674 | 707 | 661 | 576 | 596 | 622 | 765 | 723 | 642 | 726 | 725 | 891 | 833 | 748 |
| Cotton | do | 503 | 483 | 481 | 489 | 506 | 492 | 524 | 502 | 444 | 437 | 458 | 477 | 467 | 455 | 447 | 469 |
| Feed grains and hay | do | 268 | 378 | 309 | 308 | 315 | 329 | 400 | 449 | 437 | 432 | 430 | 421 | 423 | 432 | 431 | 437 |
| Food grains | do | 282 | 378 | 353 | 327 | 330 | 343 | 382 | 396 | 404 | 414 | 423 | 429 | 432 | 439 | 441 | 454 |
| Fruit | do | 669 | 669 | 613 | 604 | 608 | 730 | 697 | 718 | 673 | 691 | 698 | 717 | 712 | 656 | 653 | 583 |
| Tobacco | do | 1,255 | 1,287 | 1,231 | 1,227 | 1,229 | 1,229 | 1,227 | 1,230 | 1,256 | 1,363 | 1,388 | 1,410 | 1,412 | 1,411 | 1,389 | 1,389 |
| Livestock and products # | do | 703 | 722 | 718 | 714 | 711 | 726 | 707 | 709 | 731 | 737 | 734 | 728 | 739 | 762 | 762 | 772 |
| Dairy products | do | 765 | 747 | 752 | 728 | 709 | 697 | 691 | 697 | 722 | 759 | 795 | 820 | 826 | 820 | 801 | 783 |
| Meat animals | do | 921 | 949 | 972 | 966 | 971 | 994 | 947 | 917 | 950 | 944 | 933 | 918 | 939 | 933 | 992 | 987 |
| Poultry and eggs | do | 244 | 269 | 217 | 231 | 223 | 241 | 260 | 311 | 313 | 317 | 302 | 294 | 288 | 294 | 292 | 343 |
| Prices paid | | | | | | | | | | | | | | | | | |
| Production items | do | 849 | 908 | | | 895 | | | 922 | | | 936 | | | 944 | | |
| All commodities and services, interest, taxes, and wage rates (parity index).. 1910-14=100 | | 1,110 | 1,166 | | | 1,155 | | | 1,180 | | | 1,193 | | | 1,202 | | |
| Parity ratio \$ | do | 52 | 54 | | | 52 | | | 55 | | | 55 | | | 56 | | |
| CONSUMER PRICES ◇ (U.S. Department of Labor Indexes) | | | | | | | | | | | | | | | | | |
| Not Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| ALL ITEMS, WAGE EARNERS AND CLERICAL WORKERS (CPI-W). 1982-84=100 | | 112.5 | 117.0 | 114.7 | 115.1 | 115.7 | 116.2 | 116.7 | 117.2 | 117.7 | 118.5 | 118.9 | 119.0 | 119.2 | 119.7 | 120.2 | 120.8 |
| ALL ITEMS, ALL URBAN CONSUMERS (CPI-U) .. 1982-84=100. | | 113.6 | 118.3 | 116.0 | 116.5 | 117.1 | 117.5 | 118.0 | 118.5 | 119.0 | 119.8 | 120.2 | 120.3 | 120.5 | 121.1 | 121.6 | 122.3 |
| Special group indexes. | | | | | | | | | | | | | | | | | |
| All items less shelter | do | 111.6 | 115.9 | 113.5 | 114.0 | 114.7 | 115.2 | 115.7 | 116.1 | 116.5 | 117.5 | 117.9 | 118.0 | 118.1 | 118.7 | 119.2 | 119.9 |
| All items less food | do | 113.6 | 118.3 | 116.0 | 116.6 | 117.2 | 117.6 | 118.1 | 118.4 | 118.9 | 119.7 | 120.2 | 120.3 | 120.4 | 120.8 | 121.3 | 122.0 |
| All items less medical care | do | 112.6 | 117.0 | 114.8 | 115.3 | 115.9 | 116.3 | 116.8 | 117.2 | 117.8 | 118.6 | 118.9 | 119.0 | 119.1 | 119.7 | 120.1 | 120.8 |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| COMMODITY PRICES—Continued | | | | | | | | | | | | | | | | | |
| CONSUMER PRICES †—Continued | | | | | | | | | | | | | | | | | |
| <i>(U.S. Department of Labor Indexes)—Continued</i> | | | | | | | | | | | | | | | | | |
| Not Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| All items (CPI-U)—Continued | | | | | | | | | | | | | | | | | |
| Commodities | 1982-84=100.. | 107.7 | 111.5 | 109.1 | 109.8 | 110.7 | 111.1 | 111.1 | 111.5 | 111.9 | 113.0 | 113.5 | 113.5 | 113.9 | 114.8 | 115.2 | |
| Nondurables | do..... | 107.5 | 111.8 | 109.0 | 109.8 | 110.0 | 111.4 | 111.4 | 111.9 | 112.4 | 113.7 | 114.2 | 114.1 | 113.9 | 114.9 | 116.2 | |
| Nondurables less food | do..... | 101.8 | 105.8 | 102.7 | 104.1 | 105.6 | 106.0 | 105.5 | 105.4 | 105.9 | 107.7 | 108.3 | 108.2 | 107.5 | 107.1 | 107.6 | |
| Durables | do..... | 108.2 | 110.4 | 109.4 | 109.5 | 109.7 | 109.9 | 110.2 | 110.3 | 110.6 | 111.1 | 111.8 | 112.2 | 112.5 | 112.4 | 111.9 | |
| Commodities less food | do..... | 104.8 | 107.7 | 105.4 | 106.3 | 107.8 | 107.6 | 107.4 | 107.7 | 108.9 | 109.5 | 109.7 | 109.4 | 109.2 | 109.5 | 110.5 | |
| Services | do..... | 120.2 | 125.7 | 123.4 | 123.8 | 124.1 | 124.6 | 125.5 | 126.1 | 126.7 | 127.3 | 127.6 | 128.1 | 128.9 | 129.4 | 130.0 | |
| Food # | do..... | 113.5 | 118.2 | 115.7 | 115.9 | 116.6 | 117.0 | 117.6 | 118.8 | 119.4 | 120.2 | 120.3 | 120.2 | 120.7 | 122.2 | 123.5 | |
| Food at home | do..... | 111.9 | 116.6 | 113.9 | 113.9 | 114.6 | 115.1 | 115.8 | 117.3 | 118.1 | 119.0 | 119.0 | 118.7 | 119.1 | 121.2 | 122.0 | |
| Housing | do..... | 114.2 | 118.5 | 116.6 | 117.0 | 117.3 | 117.7 | 118.6 | 119.1 | 119.5 | 119.9 | 119.9 | 119.9 | 120.2 | 120.7 | 121.1 | |
| Shelter # | do..... | 121.3 | 127.1 | 125.0 | 125.6 | 125.8 | 126.2 | 126.6 | 127.4 | 128.2 | 128.4 | 128.8 | 129.1 | 129.3 | 129.8 | 130.3 | |
| Rent, residential | do..... | 123.1 | 127.8 | 126.3 | 126.4 | 126.6 | 126.9 | 127.3 | 127.8 | 128.4 | 129.1 | 129.4 | 129.8 | 130.1 | 130.5 | 130.9 | |
| Homeowners' cost | 12/82=100.. | 124.8 | 131.1 | 129.0 | 129.2 | 129.4 | 129.9 | 130.4 | 131.0 | 131.8 | 132.6 | 133.1 | 133.8 | 134.0 | 134.7 | 135.0 | |
| Fuel and utilities # | 1982-84=100 | 103.0 | 104.4 | 102.8 | 102.7 | 102.8 | 103.5 | 105.9 | 106.0 | 106.1 | 106.4 | 105.4 | 104.3 | 105.0 | 106.0 | 105.9 | |
| Fuel oil, coal, and bottled gas | do..... | 77.9 | 78.1 | 80.9 | 80.5 | 80.2 | 80.0 | 79.1 | 76.9 | 76.3 | 75.9 | 74.6 | 75.0 | 76.8 | 80.5 | 81.4 | |
| Gas (piped) and electricity | do..... | 108.8 | 104.6 | 101.9 | 101.7 | 101.6 | 102.6 | 107.8 | 108.1 | 108.3 | 108.5 | 105.8 | 103.7 | 104.1 | 105.1 | 104.9 | |
| Household furnishings and operation | do..... | 107.1 | 109.4 | 107.7 | 108.3 | 109.1 | 109.3 | 109.6 | 109.8 | 109.7 | 110.1 | 110.3 | 110.6 | 110.6 | 110.9 | 110.9 | |
| Apparel and upkeep | do..... | 110.6 | 115.4 | 110.2 | 114.3 | 117.0 | 116.3 | 114.6 | 112.7 | 112.6 | 117.8 | 120.7 | 119.9 | 118.0 | 115.3 | 115.3 | |
| Transportation | do..... | 105.4 | 108.7 | 106.8 | 106.5 | 107.2 | 108.1 | 108.5 | 108.9 | 108.6 | 109.7 | 110.0 | 110.7 | 110.8 | 111.1 | 111.6 | |
| Private | do..... | 104.2 | 107.6 | 105.7 | 105.4 | 106.0 | 107.0 | 107.4 | 107.8 | 108.6 | 108.6 | 109.0 | 109.6 | 109.6 | 109.8 | 110.3 | |
| New cars | do..... | 114.6 | 116.9 | 116.2 | 116.0 | 115.9 | 116.3 | 116.5 | 116.5 | 116.3 | 116.8 | 117.7 | 118.7 | 119.1 | 119.5 | 119.6 | |
| Used cars | do..... | 113.1 | 118.0 | 116.0 | 116.1 | 116.6 | 117.0 | 117.6 | 117.9 | 119.2 | 119.4 | 119.9 | 119.7 | 120.2 | 120.5 | 120.5 | |
| Public | do..... | 121.1 | 123.3 | 120.8 | 121.4 | 122.4 | 122.4 | 123.2 | 123.7 | 123.7 | 124.0 | 124.2 | 125.3 | 126.5 | 127.5 | 128.1 | |
| Medical care | do..... | 130.1 | 138.6 | 135.5 | 136.3 | 136.9 | 137.5 | 138.2 | 139.3 | 139.9 | 140.4 | 141.2 | 141.8 | 142.3 | 143.8 | 145.2 | |
| Seasonally Adjusted ‡ | | | | | | | | | | | | | | | | | |
| All items, percent change from previous month | 1982-84=100 | | | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 6 | 5 | |
| Commodities | do..... | | | 109.4 | 109.9 | 110.5 | 111.0 | 111.3 | 111.8 | 112.1 | 112.7 | 113.0 | 113.2 | 113.4 | 114.2 | 114.6 | |
| Commodities less food | do..... | | | 108.0 | 106.6 | 107.1 | 107.7 | 107.7 | 108.0 | 108.1 | 108.6 | 109.0 | 109.1 | 109.2 | 109.9 | 110.2 | |
| Food | do..... | | | 115.5 | 116.0 | 116.6 | 117.1 | 117.8 | 118.9 | 119.5 | 120.3 | 120.6 | 120.8 | 121.2 | 122.1 | 122.6 | |
| Food at home | do..... | | | 113.3 | 113.8 | 114.4 | 115.0 | 115.9 | 117.2 | 118.0 | 119.0 | 119.2 | 119.3 | 119.8 | 120.9 | 121.4 | |
| Apparel and upkeep | do..... | | | 112.3 | 114.1 | 115.5 | 116.3 | 115.9 | 115.7 | 118.9 | 116.0 | 117.4 | 117.7 | 117.7 | 117.5 | 119.1 | |
| Transportation | do..... | | | 107.1 | 107.2 | 107.5 | 108.2 | 108.4 | 108.7 | 109.6 | 109.7 | 110.1 | 110.4 | 110.4 | 111.2 | 111.9 | |
| Private | do..... | | | 106.1 | 106.2 | 106.4 | 107.2 | 107.4 | 107.7 | 108.6 | 108.7 | 109.1 | 109.3 | 109.3 | 110.0 | 110.8 | |
| New cars | do..... | | | 115.9 | 116.1 | 116.2 | 116.5 | 116.6 | 116.7 | 117.0 | 117.7 | 117.8 | 117.9 | 118.1 | 118.9 | 119.3 | |
| Services | do..... | | | 123.7 | 124.1 | 124.5 | 125.0 | 125.4 | 125.8 | 126.4 | 126.8 | 127.4 | 128.0 | 128.6 | 129.1 | 129.7 | |
| PRODUCER PRICES § | | | | | | | | | | | | | | | | | |
| <i>(U.S. Department of Labor Indexes)</i> | | | | | | | | | | | | | | | | | |
| Not Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| All commodities | 1982=100 | 102.8 | 106.9 | 104.8 | 104.9 | 105.8 | 106.5 | 107.2 | 107.9 | 108.0 | 108.1 | 108.2 | 108.3 | 109.0 | 110.3 | 110.8 | 111.5 |
| By stage of processing: | | | | | | | | | | | | | | | | | |
| Crude materials for further processing | do..... | 93.7 | 95.9 | 94.7 | 94.1 | 95.6 | 97.2 | 97.9 | 97.3 | 96.9 | 96.7 | 95.9 | *94.5 | 97.0 | 101.0 | 101.0 | 103.1 |
| Intermediate materials, supplies, etc | do..... | 101.5 | 107.1 | 104.3 | 104.7 | 105.6 | 106.3 | 107.4 | 108.2 | 108.4 | 108.7 | 108.6 | *108.9 | 109.5 | 110.5 | 110.9 | 111.6 |
| Finished goods # | do..... | 105.4 | 108.0 | 106.1 | 106.3 | 107.0 | 107.5 | 107.7 | 108.5 | 108.7 | 108.6 | 109.4 | *109.8 | 110.0 | 111.0 | 111.7 | 112.2 |
| Finished consumer goods | do..... | 103.6 | 106.2 | 104.1 | 104.4 | 105.1 | 105.7 | 105.9 | 107.0 | 107.1 | 107.0 | 107.6 | *108.0 | 108.2 | 109.3 | 110.2 | 110.7 |
| Capital equipment | do..... | 111.7 | 114.3 | 113.2 | 113.2 | 113.6 | 113.8 | 113.9 | 114.2 | 114.5 | 114.3 | 116.0 | *116.1 | 116.3 | 117.0 | 117.4 | 117.5 |
| By durability of product: | | | | | | | | | | | | | | | | | |
| Durable goods | do..... | 109.9 | 114.7 | 113.0 | 113.3 | 113.8 | 114.1 | 114.4 | 114.8 | 115.1 | 115.2 | 116.4 | *116.8 | 117.1 | 117.9 | 118.2 | 118.7 |
| Nondurable goods | do..... | 97.5 | 101.1 | 98.5 | 98.8 | 99.8 | 100.8 | 101.8 | 102.6 | 102.7 | 102.2 | *102.9 | 102.9 | 104.6 | 105.2 | 106.1 | |
| Total manufactures | do..... | 104.4 | 109.1 | 106.8 | 107.1 | 107.9 | 108.8 | 109.9 | 109.9 | 110.0 | 110.1 | 110.5 | 111.0 | 111.3 | 112.3 | 112.8 | 113.5 |
| Durable manufactures | do..... | 109.6 | 114.0 | 112.4 | 112.6 | 113.2 | 113.5 | 113.7 | 114.1 | 114.4 | 114.5 | 115.6 | 116.0 | 116.3 | 117.0 | 117.3 | 117.8 |
| Nondurable manufactures | do..... | 99.2 | 104.1 | 101.3 | 101.7 | 102.7 | 103.7 | 104.3 | 105.4 | 105.6 | 105.6 | 105.4 | *106.1 | 106.3 | 107.6 | 108.3 | 109.2 |
| Farm products, processed foods and feeds | do..... | 103.7 | 110.0 | 105.8 | 105.8 | 106.4 | 108.1 | 111.2 | 112.9 | 112.7 | 114.0 | 113.5 | *112.4 | 112.9 | 114.8 | 114.6 | 116.2 |
| Farm products | do..... | 95.5 | 104.8 | 97.9 | 98.2 | 99.2 | 102.2 | 106.8 | 109.1 | 109.3 | 111.6 | 110.9 | *107.9 | 108.6 | 111.4 | 110.5 | 113.4 |
| Foods and feeds, processed | do..... | 107.9 | 112.8 | 109.1 | 109.6 | 110.1 | 111.2 | 113.5 | 115.0 | 114.5 | 115.4 | 115.0 | *114.8 | 115.1 | 116.7 | 116.8 | 117.8 |
| Industrial commodities | do..... | 102.6 | 106.3 | 104.6 | 104.7 | 105.6 | 106.1 | 106.4 | 106.8 | 107.0 | 106.8 | 107.1 | *107.5 | 108.1 | 109.4 | 110.0 | 110.6 |
| Chemicals and allied products | do..... | 106.4 | 116.4 | 111.6 | 112.7 | 113.8 | 114.6 | 115.3 | 117.4 | 118.2 | 119.1 | 119.9 | 121.1 | 121.7 | 123.2 | 124.4 | 124.6 |
| Fuels and related prod., and power | do..... | 70.2 | 66.8 | 66.7 | 65.9 | 67.6 | 68.4 | 68.6 | 68.0 | 67.6 | 66.1 | 64.5 | *64.4 | 65.9 | 68.2 | 68.8 | 69.7 |
| Furniture and household durables | do..... | 109.9 | 113.1 | 111.9 | 112.3 | 112.5 | 112.8 | 112.7 | 113.1 | 113.4 | 113.7 | 113.9 | *114.3 | 114.4 | 115.0 | 115.5 | |
| Hides, skins, and leather products | do..... | 120.4 | 131.5 | 129.1 | 132.6 | 134.2 | 134.6 | 131.2 | 130.1 | 131.6 | 132.5 | 131.9 | *130.4 | 130.4 | 131.0 | 133.1 | 136.6 |
| Lumber and wood products | do..... | 112.8 | 118.9 | 118.4 | 118.9 | 119.2 | 119.1 | 119.3 | 120.0 | 118.8 | 118.9 | 118.7 | 118.8 | 118.9 | 119.8 | 121.6 | 123.1 |
| Machinery and equipment | do..... | 110.4 | 113.2 | 112.2 | 112.3 | 112.5 | 112.9 | 112.9 | 113.2 | 113.6 | 113.9 | 114.2 | 114.5 | 114.8 | 115.6 | 116.0 | 116.3 |
| Metals and metal products | do..... | 107.1 | 118.7 | 114.7 | 115.4 | 116.9 | 117.4 | 118.0 | 119.2 | 119.8 | 120.2 | 121.4 | *122.8 | 123.8 | 124.7 | 124.8 | 126.2 |
| Nonmetallic mineral products | do..... | 110.0 | 111.2 | 110.9 | 110.9 | 111.0 | 111.2 | 111.3 | 111.1 | 111.1 | 111.3 | 111.4 | *111.5 | 111.7 | 111.7 | 111.9 | 112.0 |
| Pulp, paper, and allied products | do..... | 121.8 | 130.4 | 127.3 | 128.0 | 128.9 | 129.6 | 130.0 | 131.0 | 131.3 | 132.1 | 132.8 | 133.1 | 133.4 | 134.8 | 136.3 | 137.0 |
| Rubber and plastics products | do..... | 103.0 | 109.4 | 106.9 | 107.7 | 108.2 | 108.8 | 109.1 | 109.8 | 110.6 | 111.0 | 111.1 | *111.2 | 111.4 | 112.0 | 112.3 | 112.7 |
| Textile products and apparel | do..... | 105.1 | 109.2 | 108.1 | 108.4 | 108.7 | 108.9 | 109.3 | 109.5 | 109.6 | 109.8 | 110.0 | 110.2 | 110.5 | 111.0 | 111.2 | 111.3 |
| Transportation equip. # | do..... | 112.5 | 114.2 | 113.2 | 113.1 | 113.5 | 113.7 | 114.0 | 113.9 | 114.0 | 113.2 | 116.6 | *116.3 | 116.1 | 116.7 | 116.7 | 116.8 |
| Motor vehicles and equip | do..... | 111 | | | | | | | | | | | | | | | |

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|--------|------|------|------|------|-----|------|------|------|-------|------|------|------|------|------|------|--|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| | | | | | | | | | | | | | | | | | |
| LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued | | | | | | | | | | | | | | | | | |
| LABOR FORCE—Continued | | | | | | | | | | | | | | | | | |
| Seasonally Adjusted ◊ | | | | | | | | | | | | | | | | | |
| Civilian labor force—Continued | | | | | | | | | | | | | | | | | |
| Unemployed—Continued | | | | | | | | | | | | | | | | | |
| Rates(unemployed in each group as percent of civilian labor force in the group) | | | | | | | | | | | | | | | | | |
| All civilian workers | | | | | | | | | | | | | | | | | |
| Men, 20 years and over | | | | | | | | | | | | | | | | | |
| Women, 20 years and over | | | | | | | | | | | | | | | | | |
| Both sexes, 16-19 years | | | | | | | | | | | | | | | | | |
| White | | | | | | | | | | | | | | | | | |
| Black | | | | | | | | | | | | | | | | | |
| Hispanic origin | | | | | | | | | | | | | | | | | |
| Married men, spouse present | | | | | | | | | | | | | | | | | |
| Married women, spouse present | | | | | | | | | | | | | | | | | |
| Women who maintain families | | | | | | | | | | | | | | | | | |
| Industry of last job | | | | | | | | | | | | | | | | | |
| Private nonagricultural wage and salary workers | | | | | | | | | | | | | | | | | |
| Construction | | | | | | | | | | | | | | | | | |
| Manufacturing | | | | | | | | | | | | | | | | | |
| Durable goods | | | | | | | | | | | | | | | | | |
| Agricultural wage and salary workers | | | | | | | | | | | | | | | | | |
| Not Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| Occupation | | | | | | | | | | | | | | | | | |
| Managerial and professional specialty | | | | | | | | | | | | | | | | | |
| Technical, sales, and administrative support | | | | | | | | | | | | | | | | | |
| Service occupations | | | | | | | | | | | | | | | | | |
| Precision production, craft, and repair | | | | | | | | | | | | | | | | | |
| Operators, fabricators, and laborers | | | | | | | | | | | | | | | | | |
| Farming, forestry, and fishing | | | | | | | | | | | | | | | | | |
| EMPLOYMENT § | | | | | | | | | | | | | | | | | |
| Employees on payrolls of nonagricultural estab | | | | | | | | | | | | | | | | | |
| Total, not adjusted for seas variation .. thous | | | | | | | | | | | | | | | | | |
| Private sector (excl government) .. do | | | | | | | | | | | | | | | | | |
| Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| Total employees, nonagricultural payrolls .. do | | | | | | | | | | | | | | | | | |
| Private sector (excl government) .. do | | | | | | | | | | | | | | | | | |
| Nonmanufacturing industries .. do | | | | | | | | | | | | | | | | | |
| Goods-producing .. do | | | | | | | | | | | | | | | | | |
| Mining .. do | | | | | | | | | | | | | | | | | |
| Construction .. do | | | | | | | | | | | | | | | | | |
| Manufacturing .. do | | | | | | | | | | | | | | | | | |
| Durable goods .. do | | | | | | | | | | | | | | | | | |
| Lumber and wood products .. do | | | | | | | | | | | | | | | | | |
| Furniture and fixtures .. do | | | | | | | | | | | | | | | | | |
| Stone, clay and glass products .. do | | | | | | | | | | | | | | | | | |
| Primary metal industries .. do | | | | | | | | | | | | | | | | | |
| Fabricated metal products .. do | | | | | | | | | | | | | | | | | |
| Machinery, except electrical .. do | | | | | | | | | | | | | | | | | |
| Electric and electronic equip .. do | | | | | | | | | | | | | | | | | |
| Transportation equipment .. do | | | | | | | | | | | | | | | | | |
| Instruments and related products .. do | | | | | | | | | | | | | | | | | |
| Miscellaneous manufacturing .. do | | | | | | | | | | | | | | | | | |
| Nondurable goods .. do | | | | | | | | | | | | | | | | | |
| Food and kindred products .. do | | | | | | | | | | | | | | | | | |
| Tobacco manufactures .. do | | | | | | | | | | | | | | | | | |
| Textile mill products .. do | | | | | | | | | | | | | | | | | |
| Apparel and other textile products .. do | | | | | | | | | | | | | | | | | |
| Paper and allied products .. do | | | | | | | | | | | | | | | | | |
| Printing and publishing .. do | | | | | | | | | | | | | | | | | |
| Chemicals and allied products .. do | | | | | | | | | | | | | | | | | |
| Petroleum and coal products .. do | | | | | | | | | | | | | | | | | |
| Rubber and plastics products, nec .. do | | | | | | | | | | | | | | | | | |
| Leather and leather products .. do | | | | | | | | | | | | | | | | | |
| Service-producing .. do | | | | | | | | | | | | | | | | | |
| Transportation and public utilities .. do | | | | | | | | | | | | | | | | | |
| Wholesale trade .. do | | | | | | | | | | | | | | | | | |
| Retail trade .. do | | | | | | | | | | | | | | | | | |
| Finance, insurance, and real estate .. do | | | | | | | | | | | | | | | | | |
| Services .. do | | | | | | | | | | | | | | | | | |
| Government .. do | | | | | | | | | | | | | | | | | |
| Federal .. do | | | | | | | | | | | | | | | | | |
| State .. do | | | | | | | | | | | | | | | | | |
| Local .. do | | | | | | | | | | | | | | | | | |
| Production or nonsupervisory workers on private nonagric payroll, not seas adjusted .. thous | | | | | | | | | | | | | | | | | |
| Manufacturing .. do | | | | | | | | | | | | | | | | | |
| Seasonally Adjusted | | | | | | | | | | | | | | | | | |
| Production or nonsupervisory workers on private nonagric payroll .. thous | | | | | | | | | | | | | | | | | |
| Goods-producing .. do | | | | | | | | | | | | | | | | | |
| Mining .. do | | | | | | | | | | | | | | | | | |
| Construction .. do | | | | | | | | | | | | | | | | | |
| Manufacturing .. do | | | | | | | | | | | | | | | | | |
| Durable goods .. do | | | | | | | | | | | | | | | | | |
| Lumber and wood products .. do | | | | | | | | | | | | | | | | | |
| Furniture and fixtures .. do | | | | | | | | | | | | | | | | | |
| Stone, clay, and glass products .. do | | | | | | | | | | | | | | | | | |
| Primary metal industries .. do | | | | | | | | | | | | | | | | | |
| Fabricated metal products .. do | | | | | | | | | | | | | | | | | |
| Machinery, except electrical .. do | | | | | | | | | | | | | | | | | |
| Electric and electronic equip .. do | | | | | | | | | | | | | | | | | |
| Transportation equipment .. do | | | | | | | | | | | | | | | | | |
| Instruments and related products .. do | | | | | | | | | | | | | | | | | |
| Miscellaneous manufacturing .. do | | | | | | | | | | | | | | | | | |

See footnotes at end of tables

Table with columns for years (1987-1989) and months (Feb-Mar). Rows include Employment (Seasonally Adjusted), Average Hours per Week (Seasonally Adjusted), and Aggregate Employee-Hours (Seasonally Adjusted). Sub-sections include Nonurable goods, Durable goods, and Services.

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | 1989 | | | |
|--|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. |
| | FINANCE—Continued | | | | | | | | | | | | | | | |
| BANKING—Continued | | | | | | | | | | | | | | | | |
| Commercial bank credit, seas adj. \$ | 2,237.4 | 2,408.0 | 2,267.4 | 2,284.3 | 2,303.5 | 2,325.5 | 2,343.5 | 2,358.5 | 2,371.4 | 2,373.5 | 2,392.6 | 2,400.6 | 2,408.0 | 2,412.8 | 2,441.8 | 2,454.9 |
| Total loans and securities () | 2,237.4 | 2,408.0 | 2,267.4 | 2,284.3 | 2,303.5 | 2,325.5 | 2,343.5 | 2,358.5 | 2,371.4 | 2,373.5 | 2,392.6 | 2,400.6 | 2,408.0 | 2,412.8 | 2,441.8 | 2,454.9 |
| U.S. Government securities | 335.5 | 362.4 | 337.7 | 341.3 | 343.9 | 346.4 | 348.3 | 349.3 | 350.9 | 352.2 | 356.0 | 358.5 | 362.4 | 361.8 | 363.4 | 370.3 |
| Other securities | 195.2 | 192.9 | 194.7 | 196.2 | 196.5 | 196.4 | 196.7 | 196.9 | 196.7 | 195.4 | 196.6 | 195.8 | 195.2 | 188.0 | 188.5 | 187.7 |
| Total loans and leases () | 1,706.8 | 1,852.7 | 1,734.9 | 1,746.8 | 1,763.1 | 1,782.7 | 1,797.9 | 1,812.3 | 1,823.8 | 1,825.0 | 1,839.9 | 1,846.8 | 1,852.7 | 1,863.0 | 1,889.9 | 1,896.8 |
| Money and interest rates | | | | | | | | | | | | | | | | |
| Prime rate charged by banks on short-term business loans, percent | 8.22 | 9.32 | 8.51 | 8.50 | 8.50 | 8.84 | 9.00 | 9.29 | 9.84 | 10.00 | 10.00 | 10.05 | 10.50 | 10.50 | 10.93 | 11.50 |
| Discount rate (New York Federal Reserve Bank) @ % | 5.66 | 6.20 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.37 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.59 | 7.00 |
| Federal intermediate credit bank loans | 8.54 | (*) | (*) | | | | | | | | | | | | | |
| Home mortgage rates (conventional 1st mortgages) | | | | | | | | | | | | | | | | |
| New home purchase (U.S. avg.) | 8.94 | 8.83 | 8.78 | 8.77 | 8.76 | 8.59 | 8.90 | 8.80 | 8.68 | 8.90 | 8.77 | 9.05 | 9.04 | 9.20 | 9.46 | 9.66 |
| Existing home purchase (U.S. avg.) | 8.94 | 9.01 | 8.84 | 8.84 | 8.93 | 8.90 | 8.98 | 8.98 | 9.00 | 8.98 | 9.11 | 9.16 | 9.31 | 9.31 | 9.44 | 9.64 |
| Open market rates, New York City | | | | | | | | | | | | | | | | |
| Bankers' acceptances, 90 days | 6.75 | 7.56 | 6.49 | 6.51 | 6.79 | 7.12 | 7.38 | 7.77 | 8.19 | 8.06 | 8.15 | 8.55 | 8.96 | 8.93 | 9.27 | 9.89 |
| Commercial paper, 6-month | 6.85 | 7.68 | 6.58 | 6.64 | 6.92 | 7.31 | 7.53 | 7.90 | 8.36 | 8.23 | 8.24 | 8.55 | 8.97 | 9.02 | 9.35 | 9.97 |
| Finance co paper placed directly, 6-mo | 6.37 | 7.14 | 6.27 | 6.23 | 6.51 | 6.75 | 7.01 | 7.19 | 7.57 | 7.71 | 7.80 | 7.94 | 8.24 | 8.44 | 8.65 | 9.17 |
| Yield on U.S. Gov. securities (taxable) 3-month bills (rate on new issue), percent | 5.820 | 6.690 | 5.690 | 5.690 | 5.920 | 6.270 | 6.500 | 6.730 | 7.020 | 7.230 | 7.340 | 7.680 | 8.090 | 8.290 | 8.480 | 8.830 |
| CONSUMER INSTALLMENT CREDIT † | | | | | | | | | | | | | | | | |
| Not seasonally adjusted | | | | | | | | | | | | | | | | |
| Total outstanding (end of period) # | 623,628 | 678,149 | 618,926 | 621,625 | 627,052 | 632,329 | 641,198 | 646,689 | 654,667 | 658,352 | 661,156 | 665,686 | 678,149 | 673,631 | 669,288 | |
| By major holder | | | | | | | | | | | | | | | | |
| Commercial banks | 285,856 | 324,217 | 286,024 | 288,362 | 291,542 | 298,708 | 298,954 | 302,617 | 307,130 | 310,993 | 313,851 | 317,217 | 324,217 | 322,377 | 320,479 | |
| Finance companies | 141,118 | 144,731 | 140,321 | 140,935 | 141,716 | 142,542 | 143,751 | 144,231 | 145,371 | 145,995 | 145,885 | 144,882 | 144,731 | 144,382 | 144,766 | |
| Credit unions | 82,044 | 87,274 | 81,094 | 81,645 | 82,339 | 83,269 | 84,470 | 85,340 | 86,310 | 86,332 | 86,850 | 86,929 | 87,274 | 86,797 | 86,153 | |
| Retailers | 46,907 | 49,736 | 43,078 | 42,673 | 42,560 | 42,655 | 42,798 | 42,622 | 42,931 | 42,944 | 43,871 | 44,793 | 49,736 | 47,478 | 45,575 | |
| Savings institutions | 64,099 | 68,517 | 64,873 | 64,564 | 65,341 | 66,551 | 65,570 | 68,039 | 68,957 | 68,277 | 67,723 | 68,256 | 68,517 | 68,807 | 68,744 | |
| Seasonally adjusted | | | | | | | | | | | | | | | | |
| Total outstanding (end of period) # | | | 624,293 | 629,485 | 633,336 | 636,318 | 644,371 | 647,993 | 653,317 | 653,319 | 657,226 | 661,889 | 666,191 | 670,566 | 674,781 | |
| By major holder | | | | | | | | | | | | | | | | |
| Commercial banks | | | 287,344 | 290,832 | 293,166 | 295,547 | 300,275 | 303,189 | 307,119 | 308,960 | 312,969 | 317,127 | 319,129 | 320,487 | 321,880 | |
| Finance companies | | | 142,946 | 144,053 | 144,516 | 144,454 | 144,748 | 143,812 | 143,962 | 142,723 | 142,480 | 142,226 | 143,523 | 145,187 | 147,353 | |
| Credit unions | | | 81,897 | 82,595 | 83,204 | 83,881 | 84,911 | 85,469 | 85,881 | 85,554 | 86,024 | 86,102 | 86,213 | 86,789 | 87,006 | |
| Retailers | | | 43,080 | 43,271 | 43,295 | 43,162 | 43,450 | 43,634 | 43,712 | 43,956 | 44,250 | 44,444 | 45,370 | 45,571 | 45,577 | |
| Savings institutions | | | 65,396 | 65,078 | 65,387 | 65,510 | 67,274 | 68,182 | 68,909 | 68,462 | 67,845 | 68,140 | 68,299 | 68,917 | 69,298 | |
| By major credit type | | | | | | | | | | | | | | | | |
| Automobile | | | 273,133 | 276,762 | 278,567 | 279,418 | 282,254 | 283,359 | 285,561 | 284,782 | 286,107 | 287,474 | 289,823 | 291,952 | 294,053 | |
| Revolving | | | 163,462 | 165,644 | 167,356 | 169,154 | 172,810 | 174,928 | 177,568 | 178,675 | 181,277 | 184,468 | 185,755 | 186,779 | 188,383 | |
| Mobile home | | | 25,857 | 25,732 | 25,764 | 25,703 | 25,852 | 25,882 | 25,914 | 25,746 | 25,776 | 25,831 | 25,552 | 25,602 | 25,543 | |
| Total net change (during period) # | | | 5,035 | 5,191 | 3,851 | 2,982 | 8,053 | 3,621 | 5,324 | 2 | 3,906 | 4,663 | 4,302 | 4,374 | 4,215 | |
| By major holder | | | | | | | | | | | | | | | | |
| Commercial banks | | | 2,591 | 3,487 | 2,335 | 2,380 | 4,729 | 2,914 | 3,929 | 1,841 | 4,009 | 4,159 | 2,002 | 1,357 | 1,393 | |
| Finance companies | | | 1,251 | 1,107 | 462 | -61 | 294 | -936 | 149 | -1,239 | -242 | -254 | 1,297 | 1,663 | 2,167 | |
| Credit unions | | | 235 | 698 | 609 | 677 | 1,030 | 557 | 412 | -327 | 471 | 78 | 111 | 575 | 217 | |
| Retailers | | | 154 | 191 | 24 | -133 | 287 | 185 | 78 | 244 | 394 | 726 | 201 | 6 | | |
| Savings institutions | | | 763 | -818 | 309 | 123 | 1,765 | 908 | 727 | -447 | -617 | 295 | 158 | 619 | 381 | |
| By major credit type | | | | | | | | | | | | | | | | |
| Automobile | | | 3,250 | 3,628 | 1,805 | 851 | 2,836 | 1,106 | 2,201 | -779 | 1,325 | 1,366 | 2,350 | 2,129 | 2,101 | |
| Revolving | | | 1,896 | 2,182 | 1,713 | 1,798 | 3,655 | 2,118 | 2,641 | 1,107 | 2,602 | 3,190 | 1,288 | 1,023 | 1,604 | |
| Mobile home | | | -69 | -125 | 32 | -61 | 149 | 29 | 33 | -169 | 30 | 54 | -278 | 50 | -59 | |
| FEDERAL GOVERNMENT FINANCE | | | | | | | | | | | | | | | | |
| Budget receipts and outlays: | | | | | | | | | | | | | | | | |
| Receipts (net) | 854,143 | 908,953 | 60,355 | 65,730 | 109,323 | 59,711 | 99,205 | 60,690 | 69,479 | 97,803 | 63,646 | 64,408 | 93,795 | 89,369 | 61,978 | 68,276 |
| Outlays (net) \$ | 1,003,804 | 1,064,055 | 84,382 | 95,013 | 95,554 | 82,295 | 90,071 | 83,634 | 92,561 | 87,588 | 90,655 | 93,541 | 105,241 | 86,563 | 89,850 | 104,055 |
| Budget surplus or deficit (-) \$ | -149,661 | -155,102 | -24,027 | -29,283 | 13,769 | -22,583 | 9,134 | -22,944 | -23,082 | -10,214 | -27,009 | -29,133 | -11,446 | -2,806 | -27,871 | -35,779 |
| Budget financing, total \$ | | | | | | | | | | | | | | | | |
| Borrowing from the public \$ | 149,661 | 155,102 | 24,027 | 29,283 | -13,769 | -22,583 | -9,134 | 22,944 | 23,082 | -10,214 | 27,009 | 29,133 | 11,446 | -2,806 | 27,871 | 35,779 |
| Reduction in cash balances | 151,717 | 166,171 | 20,280 | 17,296 | -213 | 7,850 | 11,699 | 3,665 | 23,970 | 14,665 | 10,285 | 31,695 | 11,914 | 7,359 | 17,190 | 13,405 |
| | -2,056 | -11,069 | 3,747 | 11,987 | -13,556 | 14,903 | -20,883 | 19,279 | -288 | -24,879 | 16,724 | -2,502 | -468 | -10,165 | 10,681 | 22,374 |
| Gross amount of debt outstanding \$ | 2,355,206 | 2,614,581 | 2,477,438 | 2,493,195 | 2,508,342 | 2,526,492 | 2,555,086 | 2,560,795 | 2,586,091 | 2,614,581 | 2,636,657 | 2,672,211 | 2,707,284 | 2,720,742 | 2,745,577 | 2,763,562 |
| Held by the public \$ | 1,897,761 | 2,063,932 | 1,985,923 | 2,003,207 | 2,008,007 | 2,010,706 | 2,022,232 | 2,025,897 | 2,049,267 | 2,063,932 | 2,074,217 | 2,105,852 | 2,117,766 | 2,126,125 | 2,142,315 | 2,155,720 |
| Budget receipts by source and outlays by agency: | | | | | | | | | | | | | | | | |
| Receipts (net), total | 854,143 | 908,953 | 60,355 | 65,730 | 109,323 | 59,711 | 99,205 | 60,690 | 69,479 | 97,803 | 63,646 | 64,408 | 93,795 | 89,369 | 61,978 | 68,276 |
| Individual income taxes (net) | 892,557 | 401,181 | 25,651 | 20,637 | 53,334 | 17,958 | 46,092 | 25,791 | 31,942 | 41,784 | 31,287 | 29,822 | 39,673 | 48,627 | 32,427 | 17,769 |
| Corporation income taxes (net) | 83,926 | 94,195 | 975 | 12,706 | 12,026 | 1,613 | 18,347 | 1,499 | 1,461 | 20,668 | 1,794 | 1,442 | 22,160 | 3,181 | 907 | 12,501 |
| Social insurance taxes and contributions (net) | 303,818 | 334,335 | 28,500 | 25,676 | 37,357 | 33,396 | 27,967 | 26,915 | 28,373 | 28,694 | 23,848 | 25,075 | 24,698 | 31,652 | 32,086 | 30,268 |
| Other | 74,342 | 79,241 | 5,230 | 6,711 | 6,606 | 6,745 | 6,800 | 6,485 | 7,703 | 6,657 | 6,717 | 8,069 | 7,265 | 5,908 | 5,559 | 7,739 |
| Outlays (net), total \$ | 1,003,804 | 1,064,055 | 84,382 | 95,013 | 95,554 | 82,295 | 90,071 | 83,634 | 92,561 | 87,588 | 90,655 | 93,541 | 105,241 | 86,563 | 89,850 | 104,055 |
| Agriculture Department | 49,593 | 44,003 | 643 | 4,858 | 4,449 | 3,642 | 2,552 | 2,300 | 2,221 | 2,764 | 5,769 | 5,318 | 4,917 | 4,610 | 4,153 | 3,832 |
| Defense Department, military | 273,938 | 281,940 | 23,067 | 25,756 | 26,102 | 20,273 | 24,589 | 23,856 | 23,764 | 21,086 | 25,189 | 23,905 | 28,201 | 19,281 | 22,546 | 28,918 |
| Health and Human Services Department | 351,315 | 373,169 | 30,790 | 32,479 | 32,044 | 30,025 | 35,005 | 29,223 | 32,162 | 32,271 | 29,138 | 31,956 | 33,491 | 31,487 | 32,227 | 35,553 |
| Treasury Department | 180,345 | 202,472 | 15,184 | 13,900 | 14,704 | 16,681 | 30,071 | 13,291 | 14,901 | 13,045 | 13,838 | 16,943 | 34,643 | 15,555 | 16,554 | 16,451 |
| National Aeronautics and Space Adm. | 7,591 | 9,092 | 606 | 804 | 816 | 777 | 863 | 805 | 717 | 530 | 993 | 884 | 822 | 709 | 1,043 | |
| Veterans Affairs Department | 26,952 | 29,244 | 2,158 | 2,555 | 3,748 | 1,432 | 2,130 | 2,355 | 2,261 | 3,091 | 1,854 | 2,705 | 3,531 | 1,182 | 2,278 | 3,758 |
| GOLD AND SILVER: | | | | | | | | | | | | | | | | |
| Gold: | | | | | | | | | | | | | | | | |
| Monetary stock, U.S. (end of period) @ | 11,078 | 11,060 | 11,063 | 11,063 | 11,063 | 11,063 | 11,063 | 11,063 | 11,063 | 11,063 | 11,062 | 11,059 | 11,060 | 11,056 | | |
| Price at New York # | 446.504 | 436.931 | | | | | | | | | | | | | | |

| Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1986 | Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | | 1987 | 1988 | 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 \$ | 230.2 | 247.7 | | 227.1 | | | | 235.4 | | | | | 235.5 | | | 247.7 | |
| Money stock measures and components (averages of daily figures) † | | | | | | | | | | | | | | | | | | |
| Measures (not seasonally adjusted) | | | | | | | | | | | | | | | | | | |
| M1 | bil \$ | 744.2 | 776.0 | 745.5 | 752.6 | 779.1 | 764.6 | 779.9 | 786.9 | 782.3 | 781.0 | 782.1 | 788.3 | 804.3 | 793.0 | 772.3 | 775.2 | |
| M2 | do | 2,863.2 | 3,009.4 | 2,938.3 | 2,962.4 | 3,001.4 | 2,990.1 | 3,015.5 | 3,031.4 | 3,030.5 | 3,028.5 | 3,038.4 | 3,057.3 | 3,077.0 | 3,076.0 | 3,057.3 | 3,073.5 | |
| M3 | do | 3,591.9 | 3,819.6 | 3,719.3 | 3,750.3 | 3,785.8 | 3,784.4 | 3,815.9 | 3,839.7 | 3,853.6 | 3,862.1 | 3,878.7 | 3,906.8 | 3,928.8 | 3,931.6 | 3,921.7 | 3,951.1 | |
| L (M3 plus other liquid assets) | do | 4,246.2 | 4,535.1 | 4,402.1 | 4,432.8 | 4,478.7 | 4,491.7 | 4,521.4 | 4,557.2 | 4,581.7 | 4,593.0 | 4,615.8 | 4,655.4 | 4,698.9 | 4,705.3 | 4,699.0 | | |
| Components (not seasonally adjusted) | | | | | | | | | | | | | | | | | | |
| Currency | do | 188.8 | 205.3 | 197.1 | 199.1 | 201.6 | 203.6 | 205.7 | 208.0 | 207.9 | 208.0 | 209.0 | 211.3 | 214.9 | 211.8 | 211.9 | 213.9 | |
| Demand deposits | do | 294.3 | 289.0 | 279.1 | 279.9 | 292.1 | 283.1 | 291.3 | 293.1 | 289.0 | 287.4 | 288.7 | 290.0 | 298.8 | 290.5 | 275.7 | 275.9 | |
| Other checkable deposits †† | do | 254.3 | 274.4 | 262.4 | 266.7 | 278.5 | 270.8 | 275.3 | 277.7 | 277.2 | 277.8 | 276.9 | 279.0 | 283.7 | 283.7 | 277.6 | 278.4 | |
| Overnight RP's and Eurodollars | do | 79.2 | 78.0 | 77.9 | 74.5 | 75.6 | 80.4 | 80.8 | 77.6 | 79.9 | 77.3 | 76.0 | 75.5 | 78.2 | 81.7 | 79.1 | 77.5 | |
| General purpose and broker/dealer money market funds | do | 213.8 | 232.2 | 231.0 | 234.8 | 235.8 | 231.8 | 228.9 | 229.6 | 230.8 | 231.0 | 231.3 | 237.4 | 239.4 | 241.6 | 247.5 | 256.7 | |
| Money market deposit accounts | do | 552.2 | 517.5 | 523.6 | 525.5 | 524.2 | 520.5 | 523.2 | 522.0 | 517.7 | 511.4 | 507.5 | 506.7 | 502.7 | 495.1 | 485.2 | 480.1 | |
| Savings deposits | do | 408.1 | 426.4 | 413.2 | 419.2 | 424.5 | 427.7 | 432.3 | 436.0 | 433.7 | 430.9 | 430.4 | 430.9 | 425.9 | 422.8 | 418.8 | 418.6 | |
| Small time deposits @ | do | 865.7 | 979.2 | 947.1 | 955.8 | 962.2 | 965.1 | 970.5 | 979.4 | 986.0 | 996.9 | 1,010.6 | 1,019.5 | 1,026.5 | 1,041.8 | 1,054.6 | 1,065.3 | |
| Large time deposits @ | do | 461.8 | 512.5 | 492.9 | 497.8 | 496.1 | 500.5 | 504.8 | 509.5 | 519.2 | 529.1 | 535.4 | 537.3 | 539.6 | 545.2 | 552.2 | 559.9 | |
| Measures (seasonally adjusted) | | | | | | | | | | | | | | | | | | |
| M1 | do | | | 760.1 | 763.8 | 771.2 | 771.1 | 776.5 | 782.5 | 782.4 | 783.7 | 785.4 | 786.6 | 790.2 | 786.3 | 787.4 | 786.4 | |
| M2 | do | | | 2,950.8 | 2,969.3 | 2,990.8 | 2,999.8 | 3,013.1 | 3,023.9 | 3,029.7 | 3,035.0 | 3,042.2 | 3,059.3 | 3,069.3 | 3,065.7 | 3,069.7 | 3,080.1 | |
| M3 | do | | | 3,731.3 | 3,765.9 | 3,779.6 | 3,794.6 | 3,815.6 | 3,838.2 | 3,852.6 | 3,864.0 | 3,881.0 | 3,901.7 | 3,919.0 | 3,924.1 | 3,933.8 | 3,956.3 | |
| L (M3 plus other liquid assets) | do | | | 4,406.3 | 4,436.3 | 4,475.3 | 4,503.8 | 4,521.0 | 4,565.3 | 4,586.9 | 4,597.8 | 4,619.9 | 4,647.5 | 4,685.2 | 4,688.6 | 4,701.9 | | |
| Components (seasonally adjusted) | | | | | | | | | | | | | | | | | | |
| Currency | do | | | 199.4 | 200.7 | 202.4 | 203.4 | 204.7 | 206.4 | 207.0 | 208.6 | 209.7 | 210.5 | 211.8 | 213.4 | 214.3 | 215.6 | |
| Demand deposits | do | | | 288.1 | 288.4 | 290.3 | 288.1 | 289.8 | 290.4 | 289.9 | 288.8 | 288.9 | 287.7 | 288.6 | 284.0 | 284.8 | 284.4 | |
| Other checkable deposits †† | do | | | 265.4 | 267.5 | 271.2 | 272.2 | 274.7 | 278.5 | 278.3 | 279.0 | 279.4 | 281.0 | 282.3 | 281.9 | 280.9 | 279.2 | |
| Savings deposits | do | | | 418.8 | 421.5 | 423.3 | 425.2 | 427.6 | 429.7 | 430.9 | 430.5 | 429.2 | 431.8 | 431.3 | 427.8 | 424.7 | 421.0 | |
| Small time deposits @ | do | | | 942.4 | 952.8 | 963.4 | 971.0 | 975.7 | 981.0 | 988.3 | 998.7 | 1,009.7 | 1,017.3 | 1,025.3 | 1,036.0 | 1,048.5 | 1,061.3 | |
| Large time deposits @ | do | | | 492.3 | 496.3 | 499.2 | 502.4 | 507.8 | 514.0 | 519.4 | 526.7 | 532.0 | 534.4 | 537.7 | 544.3 | 551.5 | 558.5 | |
| PROFITS AND DIVIDENDS (QTRLY.) | | | | | | | | | | | | | | | | | | |
| Manufacturing corps (Bureau of the Census): | | | | | | | | | | | | | | | | | | |
| Net profit after taxes, all manufacturing | mil \$ | 115,599 | 152,318 | | 36,924 | | | | 41,465 | | | | | 38,230 | | | 35,694 | |
| Food and kindred products | do | 15,627 | 20,471 | | 4,548 | | | | 6,093 | | | | | 5,249 | | | 4,581 | |
| Textile mill products | do | 1,891 | 1,535 | | 888 | | | | 473 | | | | | 302 | | | 372 | |
| Paper and allied products | do | 5,520 | 8,077 | | 1,744 | | | | 2,195 | | | | | 2,227 | | | 1,911 | |
| Chemicals and allied products | do | 16,559 | 23,735 | | 6,378 | | | | 6,199 | | | | | 5,483 | | | 5,675 | |
| Petroleum and coal products | do | 10,900 | 21,145 | | 4,996 | | | | 4,102 | | | | | 5,956 | | | 6,091 | |
| Stone, clay, and glass products | do | 2,911 | 2,461 | | 94 | | | | 1,000 | | | | | 807 | | | 560 | |
| Primary nonferrous metal | do | 1,077 | 4,044 | | 802 | | | | 1,125 | | | | | 1,060 | | | 1,057 | |
| Primary iron and steel | do | 1,356 | 992 | | 369 | | | | 802 | | | | | 693 | | | 514 | |
| Fabricated metal products | do | 4,427 | 5,117 | | 1,481 | | | | 1,751 | | | | | 1,264 | | | 621 | |
| Machinery (except electrical) | do | 10,203 | 13,280 | | 3,017 | | | | 2,954 | | | | | 3,844 | | | 3,465 | |
| Electrical and electronic equipment | do | 9,570 | 12,923 | | 2,734 | | | | 3,485 | | | | | 3,327 | | | 3,377 | |
| Transportation equipment (except motor vehicles and equipment) | do | 4,677 | 5,196 | | 1,274 | | | | 1,231 | | | | | 1,611 | | | 1,080 | |
| Motor vehicles and equipment | do | 10,647 | 11,041 | | 3,313 | | | | 3,877 | | | | | 2,090 | | | 1,761 | |
| All other manufacturing industries | do | 20,234 | 22,296 | | 5,786 | | | | 6,178 | | | | | 5,703 | | | 4,629 | |
| Dividends paid (cash), all manufacturing | do | 49,512 | 56,463 | | 12,234 | | | | 13,710 | | | | | 14,476 | | | 16,043 | |
| SECURITIES ISSUED | | | | | | | | | | | | | | | | | | |
| Securities and Exchange Commission | | | | | | | | | | | | | | | | | | |
| Estimated gross proceeds, total | mil \$ | 275,418 | 228,387 | 23,196 | 20,843 | 18,288 | 19,636 | 30,615 | 19,282 | 15,977 | 15,728 | 12,991 | 16,436 | 10,421 | | | | |
| By type of security | | | | | | | | | | | | | | | | | | |
| Bonds and notes, corporate | do | 191,339 | 172,499 | 15,303 | 16,532 | 15,132 | 14,513 | 26,114 | 11,767 | 11,905 | 11,443 | 9,355 | 12,891 | 7,627 | | | | |
| Common stock | do | 65,835 | 45,485 | 6,782 | 3,420 | 2,667 | 3,998 | 3,700 | 6,474 | 3,396 | 3,795 | 2,586 | 3,008 | 2,088 | | | | |
| Preferred stock | do | 11,735 | 6,506 | 261 | 625 | 241 | 400 | 501 | 741 | 501 | 291 | 575 | 527 | 475 | | | | |
| By type of issuer | | | | | | | | | | | | | | | | | | |
| Corporate, total # | mil \$ | 268,909 | 224,490 | 22,346 | 20,577 | 18,040 | 18,911 | 30,315 | 18,982 | 15,802 | 15,529 | 12,816 | 16,426 | 10,221 | | | | |
| Manufacturing | do | 46,172 | 33,327 | 2,000 | 1,595 | 3,793 | 2,286 | 4,045 | 3,025 | 2,510 | 3,917 | 2,988 | 3,136 | 1,066 | | | | |
| Extractive | do | 8,229 | 4,742 | 87 | 189 | 315 | 221 | 928 | 1,150 | 642 | 125 | 30 | 244 | 1 | | | | |
| Public utility | do | 19,943 | 12,793 | 1,429 | 1,814 | 1,515 | 1,535 | 1,946 | 245 | 647 | 824 | 1,683 | 478 | 185 | | | | |
| Transportation | do | 6,698 | 3,078 | 760 | 589 | 250 | 365 | 631 | 0 | 72 | 88 | 258 | 64 | 0 | | | | |
| Communication | do | 7,326 | 4,031 | 0 | 488 | 243 | 78 | 906 | 1,307 | 3 | 497 | 132 | 298 | 59 | | | | |
| Financial and real estate | do | 151,049 | 147,030 | 16,842 | 13,754 | 10,657 | 13,608 | 19,579 | 11,103 | 10,045 | 8,923 | 7,785 | 9,454 | 8,454 | | | | |
| State and municipal issues (Bond Buyer) § | | | | | | | | | | | | | | | | | | |
| Long-term | do | 105,523 | 117,011 | 9,267 | 10,285 | 6,418 | 8,746 | 15,075 | 11,206 | 7,591 | 10,743 | 11,200 | 9,036 | 11,496 | 6,869 | 8,075 | 8,369 | |
| Short-term | do | 20,271 | 22,602 | 1,059 | 489 | 3,257 | 1,009 | 3,391 | 1,372 | 5,942 | 675 | 1,109 | 1,765 | 1,419 | 1,287 | 1,284 | 1,143 | |
| SECURITY MARKETS | | | | | | | | | | | | | | | | | | |
| Stock Market Customer Financing | | | | | | | | | | | | | | | | | | |
| Margin credit at broker-dealers, end of year or month | mil \$ | 31,990 | 32,740 | 31,990 | 32,660 | 33,270 | 33,070 | 32,300 | 31,770 | 31,930 | 32,770 | 33,410 | 33,640 | 32,740 | 32,530 | 31,480 | 32,130 | |
| Free credit balances at brokers, end of year or month | do | 4,750 | 5,660 | 4,555 | 4,615 | 4,395 | 4,380 | 4,580 | 4,485 | 4,655 | 4,725 | 5,065 | 4,920 | 5,660 | 5,790 | 5,605 | 5,345 | |
| Margin-account | do | 15,640 | 16,595 | 14,695 | 14,355 | 13,965 | 14,150 | 14,460 | 14,340 | 14,045 | 14,175 | 14,380 | 15,185 | 16,595 | 15,705 | 16,195 | 16,045 | |
| Bonds | | | | | | | | | | | | | | | | | | |
| Prices | | | | | | | | | | | | | | | | | | |
| Standard & Poor's Corporation, domestic municipal (15 bonds) | dol per \$100 bond | 62.7 | 62.0 | 63.7 | 61.8 | 61.0 | 60.4 | 61.4 | 61.4 | 61.4 | 62.5 | 63.8 | 62.6 | 62.9 | 65.0 | 64.3 | 63.2 | |
| Sales | | | | | | | | | | | | | | | | | | |
| New York Stock Exchange, exclusive of some stopped sales, face value, total | mil \$ | 9,726.24 | 7,701.39 | 7,054.43 | 6,668.44 | 6,127.76 | 6,484.40 | 6,755.53 | 5,428.77 | 6,428.88 | 5,818.89 | 5,967.74 | 6,105.58 | 6,405.57 | 6,321.13 | 5,588.88 | 5,913.39 | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|-------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 1987 | 1988 | Feb | Mar | Apr. | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan. | Feb. | Mar. | |
| FINANCE—Continued | | | | | | | | | | | | | | | | | |
| Bonds—Continued | | | | | | | | | | | | | | | | | |
| Yields | | | | | | | | | | | | | | | | | |
| Domestic corporate (Moody's) | percent | 9.91 | 10.18 | 9.89 | 9.86 | 10.15 | 10.37 | 10.36 | 10.47 | 10.58 | 10.28 | 9.90 | 9.91 | 10.03 | 10.05 | 10.05 | 10.18 |
| By rating | | | | | | | | | | | | | | | | | |
| Aaa | do | 9.88 | 9.71 | 9.40 | 9.39 | 9.67 | 9.90 | 9.86 | 9.96 | 10.11 | 9.82 | 9.51 | 9.45 | 9.57 | 9.62 | 9.64 | 9.80 |
| Aa | do | 9.68 | 9.94 | 9.60 | 9.59 | 9.86 | 10.10 | 10.13 | 10.26 | 10.06 | 9.71 | 9.72 | 9.81 | 9.81 | 9.81 | 9.83 | 9.98 |
| A | do | 9.99 | 10.24 | 9.94 | 9.89 | 10.17 | 10.41 | 10.42 | 10.55 | 10.63 | 10.34 | 9.99 | 9.99 | 10.11 | 10.10 | 10.13 | 10.26 |
| Baa | do | 10.58 | 10.83 | 10.62 | 10.57 | 10.90 | 11.04 | 11.00 | 11.11 | 11.21 | 10.90 | 10.41 | 10.48 | 10.65 | 10.65 | 10.61 | 10.67 |
| By group | | | | | | | | | | | | | | | | | |
| Industrials | do | 9.83 | 9.91 | 9.67 | 9.61 | 9.76 | 9.97 | 9.99 | 9.98 | 10.07 | 10.00 | 9.88 | 9.93 | 10.04 | 10.08 | 10.08 | 10.19 |
| Public utilities | do | 9.98 | 10.45 | 10.11 | 10.11 | 10.53 | 10.75 | 10.71 | 10.96 | 11.09 | 10.56 | 9.92 | 9.89 | 10.02 | 10.02 | 10.02 | 10.16 |
| Railroads | do | 9.63 | 10.03 | 9.85 | 9.91 | 10.08 | 10.03 | 10.04 | 10.06 | 10.10 | 10.12 | 10.03 | 10.00 | 10.06 | 10.04 | 10.05 | 10.19 |
| Domestic municipal | | | | | | | | | | | | | | | | | |
| Bond Buyer (20 bonds) | do | 7.69 | 7.66 | 7.47 | 7.90 | 7.77 | 7.87 | 7.74 | 7.76 | 7.76 | 7.64 | 7.33 | 7.66 | 7.50 | 7.29 | 7.56 | 7.64 |
| Standard & Poor's Corp (15 bonds) | do | 7.73 | 7.74 | 7.55 | 7.80 | 7.91 | 8.01 | 7.86 | 7.87 | 7.86 | 7.71 | 7.54 | 7.58 | 7.66 | 7.41 | 7.47 | 7.61 |
| U.S. Treasury bonds, taxable † | do | 8.64 | 8.98 | 8.41 | 8.61 | 8.91 | 9.24 | 9.04 | 9.20 | 9.33 | 9.06 | 8.89 | 9.07 | 9.13 | 9.07 | 9.16 | 9.33 |
| Stocks | | | | | | | | | | | | | | | | | |
| Prices | | | | | | | | | | | | | | | | | |
| Dow Jones averages (65 stocks) | | 849.46 | 772.17 | 739.63 | 766.55 | 759.10 | 739.31 | 784.20 | 785.26 | 767.55 | 780.41 | 808.29 | 796.20 | 817.30 | 851.45 | 880.52 | 866.99 |
| Industrial (30 stocks) | | 2,275.99 | 2,060.82 | 1,980.65 | 2,044.31 | 2,036.13 | 1,988.91 | 2,104.94 | 2,104.22 | 2,051.29 | 2,080.06 | 2,144.31 | 2,099.04 | 2,148.58 | 2,234.68 | 2,304.30 | 2,283.11 |
| Public utility (15 stocks) | | 201.70 | 179.74 | 184.96 | 177.68 | 171.40 | 169.30 | 180.02 | 178.71 | 178.56 | 179.85 | 185.01 | 184.12 | 185.15 | 188.88 | 186.64 | 182.81 |
| Transportation (20 stocks) | | 929.19 | 863.83 | 790.14 | 861.33 | 853.73 | 820.24 | 873.11 | 881.17 | 856.14 | 879.45 | 923.12 | 916.21 | 955.39 | 1,009.31 | 1,073.18 | 1,046.32 |
| Standard & Poor's Corporation | 1941-43=10 | 286.83 | 265.79 | 258.13 | 265.74 | 262.61 | 256.12 | 270.68 | 269.05 | 263.73 | 267.97 | 277.40 | 271.02 | 276.51 | 285.41 | 294.01 | 292.71 |
| Combined index (500 Stocks) | 1941-43=10 | 330.90 | 306.68 | 296.46 | 308.04 | 305.78 | 297.39 | 312.78 | 310.87 | 303.12 | 307.40 | 319.05 | 311.84 | 319.07 | 330.17 | 339.70 | 337.74 |
| Industrial, total (400 Stocks) # | do | 288.23 | 252.83 | 249.68 | 258.47 | 255.19 | 246.32 | 265.21 | 262.93 | 247.69 | 247.60 | 253.19 | 247.36 | 253.87 | 262.80 | 273.90 | 262.31 |
| Capital goods | do | 323.77 | 305.95 | 292.04 | 305.52 | 301.69 | 286.71 | 305.51 | 302.22 | 301.27 | 313.68 | 327.18 | 324.78 | 331.12 | 339.49 | 353.53 | 352.18 |
| Consumer goods | do | 112.70 | 108.74 | 110.67 | 107.24 | 104.12 | 103.11 | 109.86 | 108.49 | 107.89 | 109.67 | 113.00 | 111.70 | 113.02 | 114.37 | 116.88 | 116.65 |
| Utilities (40 Stocks) | do | 228.91 | 209.02 | 199.03 | 212.88 | 209.54 | 197.57 | 211.33 | 210.37 | 203.10 | 209.71 | 219.89 | 216.97 | 225.63 | 237.65 | 251.42 | 245.69 |
| Transportation (20 Stocks) | 1982=100 | 166.90 | 158.73 | 158.52 | 162.44 | 160.17 | 148.23 | 160.44 | 157.72 | 152.79 | 158.59 | 164.78 | 164.74 | 171.25 | 178.57 | 187.76 | 185.35 |
| Railroads | 1941-43=10 | 28.15 | 24.09 | 23.27 | 23.30 | 22.38 | 22.28 | 24.46 | 24.55 | 25.00 | 25.75 | 26.05 | 24.85 | 24.79 | 25.51 | 26.68 | 26.96 |
| Financial (40 Stocks) | 1970=10 | 112.03 | 92.05 | 83.39 | 84.76 | 82.50 | 84.24 | 97.54 | 97.37 | 97.85 | 102.18 | 99.61 | 98.23 | 98.74 | 99.73 | 104.23 | 104.67 |
| Money center banks | 1941-43=10 | 109.54 | 103.22 | 94.09 | 95.74 | 96.44 | 99.23 | 107.94 | 108.85 | 110.97 | 112.82 | 111.78 | 107.34 | 103.82 | 104.72 | 109.91 | 109.29 |
| Major regional banks | do | 311.50 | 271.62 | 283.37 | 276.33 | 258.31 | 256.05 | 274.56 | 270.45 | 270.64 | 276.57 | 280.22 | 268.26 | 266.65 | 274.49 | 288.70 | 295.79 |
| Property-Casualty Insurance | do | | | | | | | | | | | | | | | | |
| NY Stock Exchange common stock indexes | | | | | | | | | | | | | | | | | |
| Composite | 12/31/65=50 | 161.70 | 149.91 | 145.13 | 149.88 | 148.46 | 144.94 | 152.72 | 152.12 | 149.25 | 151.47 | 156.36 | 152.67 | 155.35 | 160.40 | 165.08 | 164.60 |
| Industrial | do | 195.31 | 180.95 | 173.44 | 181.57 | 180.88 | 176.02 | 184.92 | 184.09 | 179.72 | 182.18 | 188.58 | 183.79 | 187.75 | 194.62 | 200.00 | 199.20 |
| Transportation | do | 140.39 | 134.12 | 126.09 | 135.15 | 133.43 | 127.63 | 136.02 | 136.49 | 132.53 | 136.27 | 141.93 | 138.60 | 144.07 | 153.09 | 162.66 | 160.23 |
| Utility | do | 74.30 | 71.77 | 72.89 | 71.16 | 69.40 | 68.65 | 72.25 | 71.50 | 70.67 | 71.83 | 74.19 | 73.83 | 74.81 | 75.87 | 77.84 | 77.86 |
| Finance | do | 146.48 | 127.26 | 124.36 | 125.27 | 121.67 | 120.35 | 129.04 | 130.00 | 130.77 | 133.15 | 134.66 | 129.61 | 128.83 | 132.26 | 137.19 | 137.91 |
| NASDAQ over-the-counter price indexes | | | | | | | | | | | | | | | | | |
| Composite | 2/5/71=100 | 402.74 | 374.43 | 353.58 | 375.54 | 377.24 | 371.88 | 386.44 | 391.40 | 379.61 | 382.16 | 385.01 | 372.89 | 375.78 | 389.32 | 404.08 | 403.99 |
| Industrial | do | 422.72 | 379.49 | 354.62 | 386.34 | 387.54 | 382.72 | 400.91 | 405.62 | 385.38 | 384.00 | 382.49 | 365.82 | 371.11 | 385.71 | 399.80 | 396.74 |
| Insurance | do | 425.25 | 408.17 | 400.05 | 404.17 | 400.42 | 392.32 | 398.09 | 398.52 | 412.14 | 429.93 | 432.45 | 426.82 | 425.34 | 441.91 | 461.07 | 469.40 |
| Bank | do | 464.95 | 444.14 | 435.03 | 446.07 | 447.76 | 441.27 | 450.95 | 456.96 | 457.12 | 452.91 | 450.81 | 440.91 | 436.45 | 446.01 | 458.87 | 457.58 |
| NASDAQ/NMS composite | 7/10/84=100 | 172.49 | 161.95 | 152.69 | 162.34 | 163.05 | 160.65 | 167.16 | 169.21 | 164.06 | 165.30 | 166.78 | 161.60 | 163.15 | 169.07 | 175.62 | 175.67 |
| Industrial | do | 161.06 | 146.78 | 135.97 | 149.52 | 149.52 | 148.02 | 155.29 | 156.97 | 148.94 | 148.48 | 148.10 | 141.76 | 144.24 | 149.98 | 155.66 | 154.51 |
| Yields (Standard & Poor's Corp) | | | | | | | | | | | | | | | | | |
| Composite (500 stocks) | percent | 3.08 | 3.64 | 3.56 | 3.48 | 3.57 | 3.80 | 3.58 | 3.65 | 3.75 | 3.69 | 3.61 | 3.70 | 3.68 | 3.64 | 3.59 | |
| Industrials (400 stocks) | do | 2.62 | 3.14 | 3.07 | 2.96 | 3.02 | 3.26 | 3.08 | 3.14 | 3.25 | 3.13 | 3.22 | 3.19 | 3.14 | 3.10 | | |
| Utilities (40 stocks) | do | 6.52 | 7.08 | 6.73 | 6.99 | 7.30 | 7.44 | 6.96 | 7.16 | 7.20 | 7.09 | 7.01 | 7.04 | 6.98 | 6.99 | | |
| Transportation (20 stocks) | do | 2.20 | 2.48 | 2.44 | 2.34 | 2.46 | 2.64 | 2.43 | 2.45 | 2.64 | 2.55 | 2.44 | 2.43 | 2.34 | 2.41 | | |
| Financial (40 stocks) | do | 3.60 | 4.34 | 4.49 | 4.51 | 4.78 | 4.70 | 4.24 | 4.24 | 4.12 | 3.96 | 3.96 | 4.16 | 4.26 | 4.15 | | |
| Preferred stocks, 10 high-grade | do | 8.37 | 9.24 | 9.02 | 9.07 | 9.19 | 9.25 | 9.32 | 9.33 | 9.39 | 9.28 | 9.23 | 9.36 | 9.38 | 9.31 | 9.31 | 9.43 |
| Sales | | | | | | | | | | | | | | | | | |
| Total on all registered exchanges (SEC) | | | | | | | | | | | | | | | | | |
| Market value | mil \$ | 2,284,166 | 1,584,106 | 140,003 | 158,878 | 141,203 | 115,481 | 150,481 | 134,368 | 128,481 | 116,768 | 138,281 | 120,360 | 117,060 | 122,524 | 143,957 | 148,021 |
| Shares sold | mil \$ | 63,771 | 52,474 | 4,641 | 5,471 | 4,429 | 3,927 | 4,857 | 4,521 | 4,465 | 4,014 | 4,247 | 3,805 | 3,922 | 4,049 | 4,675 | 4,507 |
| On New York Stock Exchange | | | | | | | | | | | | | | | | | |
| Market value | mil \$ | 1,983,311 | 1,377,711 | 123,996 | 144,622 | 123,459 | 100,894 | 131,410 | 118,972 | 112,242 | 100,854 | 118,416 | 103,902 | 100,228 | 102,736 | 124,800 | 126,697 |
| Shares sold (cleared or settled) | mil \$ | 53,038 | 44,018 | 3,981 | 4,791 | 3,714 | 3,297 | 4,150 | 3,819 | 3,759 | 3,352 | 3,528 | 3,162 | 3,222 | 3,264 | 3,909 | 3,694 |
| New York Stock Exchange | | | | | | | | | | | | | | | | | |
| Exclusive of odd-lot stock sales (sales effected) | mil \$ | 47,801 | 40,850 | 3,694 | 4,052 | 3,261 | 3,222 | 4,307 | 3,338 | 3,327 | 3,060 | 3,415 | 2,823 | 2,845 | 3,532 | 3,217 | 3,503 |
| NASDAQ over-the-counter | | | | | | | | | | | | | | | | | |
| Market value | mil \$ | 498,301 | 347,089 | 27,609 | 38,729 | 28,887 | 25,292 | 33,296 | 29,054 | 29,585 | 26,524 | 28,698 | 25,017 | 25,761 | 33,475 | 30,227 | 33,452 |
| Shares sold | mil \$ | 37,890 | 31,070 | 2,502 | 3,158 | 2,381 | 2,468 | 3,115 | 2,614 | 2,614 | 2,348 | 2,522 | 2,287 | 2,488 | 2,716 | 2,582 | 2,883 |
| Shares listed, NYSE, end of period | bil \$ | 2,216.31 | 2,457.46 | 2,411.62 | 2,346.23 | 2,369.71 | 2,359.14 | 2,456.51 | 2,439.65 | 2,353.78 | 2,440.00 | 2,489.44 | 2,44 | | | | |

| Units | Annual | | 1988 | | | | | | | | | | 1989 | | | |
|---|--------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|------|
| | 1987 | 1988 | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan. | Feb. | Mar. |
| FOREIGN TRADE OF THE UNITED STATES—Continued | | | | | | | | | | | | | | | | |
| VALUE OF EXPORTS—Continued | | | | | | | | | | | | | | | | |
| Exports (mdse), incl reexports—Continued | | | | | | | | | | | | | | | | |
| Europe | | | | | | | | | | | | | | | | |
| France | mil \$ | 7,943.2 | 10,085.5 | 815.8 | 986.3 | 830.7 | 782.3 | 823.2 | 721.4 | 759.3 | 897.8 | 875.4 | 898.7 | 900.0 | | |
| German Democratic Republic | do | 58.9 | 109.2 | 1.7 | 1.3 | 1.8 | 10.6 | 6.1 | 1.9 | 21.0 | 41.0 | 4.4 | 2.2 | 12.2 | | |
| Federal Republic of Germany | do | 11,747.7 | 14,331.3 | 1,141.8 | 1,407.0 | 1,247.8 | 1,229.9 | 1,262.6 | 1,028.6 | 1,035.7 | 1,178.5 | 1,284.3 | 1,123.6 | 1,305.5 | | |
| Italy | do | 5,529.7 | 6,781.9 | 483.5 | 642.4 | 626.9 | 573.4 | 591.7 | 474.8 | 519.2 | 551.8 | 630.5 | 536.5 | 648.9 | | |
| Union of Soviet Socialist Republics | do | 1,479.8 | 2,767.6 | 328.0 | 308.9 | 341.8 | 313.1 | 151.0 | 63.2 | 127.5 | 115.9 | 215.0 | 263.8 | 275.6 | | |
| United Kingdom | do | 14,113.9 | 18,403.5 | 1,465.7 | 1,768.4 | 1,486.1 | 1,605.8 | 1,618.3 | 1,360.9 | 1,457.5 | 1,507.8 | 1,698.6 | 1,511.5 | 1,642.9 | | |
| North and South America | | | | | | | | | | | | | | | | |
| Canada | do | 59,814.3 | 70,861.9 | 5,589.9 | 6,527.4 | 5,796.1 | 6,520.8 | 6,373.4 | 4,717.4 | 5,905.2 | 6,162.9 | 6,437.0 | 6,328.7 | 5,517.8 | | |
| Latin American Republics, total # | do | 31,574.4 | 40,076.7 | 2,728.5 | 3,349.3 | 2,966.7 | 3,507.1 | 3,243.8 | 3,329.8 | 3,554.9 | 3,772.2 | 3,661.5 | 3,565.5 | 3,773.6 | | |
| Brazil | do | 4,039.9 | 4,289.2 | 304.8 | 340.7 | 368.0 | 510.7 | 314.6 | 387.9 | 334.3 | 314.4 | 334.4 | 334.4 | 408.0 | | |
| Mexico | do | 14,582.2 | 20,643.4 | 1,359.7 | 1,678.3 | 1,482.8 | 1,789.1 | 1,737.6 | 1,645.3 | 1,859.8 | 1,935.6 | 2,043.6 | 1,955.2 | 1,940.9 | | |
| Venezuela | do | 3,586.0 | 4,610.8 | 295.4 | 389.1 | 324.3 | 350.6 | 353.0 | 409.9 | 408.4 | 469.4 | 411.8 | 409.5 | 472.5 | | |
| Exports of U.S. merchandise, total @ | do | 245,115.0 | 308,013.5 | 23,304.9 | 28,138.0 | 25,311.3 | 26,979.5 | 25,756.0 | 24,114.4 | 25,596.9 | 26,336.5 | 27,400.9 | 26,458.3 | 28,026.2 | | |
| Agricultural products, total | do | 28,636.2 | 37,015.2 | 3,166.2 | 3,326.9 | 3,054.0 | 2,970.6 | 2,675.8 | 2,622.7 | 2,876.4 | 3,179.5 | 3,302.0 | 3,350.0 | 3,624.8 | | |
| Nonagricultural products, total | do | 215,222.7 | 270,998.3 | 19,569.4 | 24,676.8 | 22,443.3 | 23,134.7 | 23,626.2 | 21,491.7 | 22,720.5 | 23,157.0 | 24,098.9 | 23,108.3 | 24,401.9 | | |
| By commodity groups and principal commodities | | | | | | | | | | | | | | | | |
| Food and live animals # | mil \$ | 19,178.8 | 26,414.7 | 1,874.1 | 2,142.0 | 2,026.3 | 2,201.5 | 1,954.6 | 2,295.6 | 2,384.0 | 2,554.1 | 2,487.8 | 2,326.3 | 2,432.8 | | |
| Beverages and tobacco | do | 3,666.7 | 4,548.3 | 348.9 | 383.4 | 382.1 | 389.8 | 359.9 | 361.9 | 343.6 | 377.0 | 374.3 | 417.0 | 434.7 | | |
| Crude materials, inedible, exc fuels # | do | 20,416.3 | 25,135.0 | 2,209.6 | 2,306.8 | 2,135.8 | 2,021.9 | 2,128.0 | 1,842.5 | 1,984.8 | 1,922.3 | 1,993.0 | 2,154.5 | 2,506.3 | | |
| Mineral fuels, lubricants, etc # | do | 7,713.1 | 8,185.8 | 548.0 | 645.2 | 678.4 | 728.6 | 753.3 | 659.8 | 727.2 | 711.4 | 656.3 | 653.8 | 863.9 | | |
| Oils and fats, animal and vegetable | do | 981.4 | 1,453.7 | 151.6 | 153.7 | 117.5 | 106.5 | 156.1 | 121.8 | 85.9 | 158.2 | 125.7 | 106.6 | 102.0 | | |
| Chemicals | do | 26,380.9 | 32,299.6 | 2,444.6 | 2,933.1 | 2,646.2 | 2,645.7 | 2,815.2 | 2,616.8 | 2,805.4 | 3,119.1 | 2,622.6 | 2,534.3 | 2,829.7 | | |
| Manufactured goods # | do | 17,136.1 | 22,844.8 | 1,685.1 | 1,948.9 | 1,781.2 | 1,949.1 | 1,969.0 | 1,746.9 | 1,981.4 | 2,180.6 | 1,938.5 | 1,928.3 | 2,237.0 | | |
| Machinery and transport equipment, total | mil \$ | 108,596.0 | 135,134.8 | 10,107.9 | 12,743.1 | 11,182.4 | 11,814.7 | 11,327.0 | 10,112.2 | 11,136.8 | 11,275.4 | 12,011.7 | 11,513.4 | 12,468.9 | | |
| Machinery, total # | do | 69,637.0 | 88,452.0 | 6,515.9 | 7,993.4 | 7,079.3 | 7,530.9 | 7,353.1 | 6,952.3 | 7,430.2 | 7,567.1 | 7,923.6 | 7,473.0 | 8,381.4 | | |
| Transport equipment, total | do | 38,959.0 | 46,702.8 | 3,592.0 | 4,749.7 | 4,103.1 | 4,483.8 | 3,973.9 | 3,159.9 | 3,706.6 | 3,708.2 | 4,088.0 | 4,040.4 | 4,087.5 | | |
| Motor vehicles and parts | do | 20,878.8 | 25,178.0 | 2,110.6 | 2,563.8 | 2,208.8 | 2,346.2 | 2,133.7 | 1,463.2 | 1,817.0 | 2,275.1 | 2,148.1 | 2,297.8 | 2,084.8 | | |
| VALUE OF IMPORTS | | | | | | | | | | | | | | | | |
| General imports, total @ | do | 406,241.0 | 441,573.5 | 35,569.0 | 37,030.0 | 35,026.9 | 36,146.9 | 38,589.5 | 35,582.9 | 37,741.1 | 36,459.1 | 38,731.2 | 38,339.6 | 38,729.0 | | |
| Seasonally adjusted † | do | | | 37,729.0 | 36,643.7 | 34,825.0 | 35,731.7 | 37,948.4 | 34,532.9 | 38,139.7 | 37,178.1 | 36,600.0 | 38,199.8 | 39,419.2 | | |
| By geographic regions | | | | | | | | | | | | | | | | |
| Africa | do | 11,939.4 | 10,863.0 | 915.8 | 894.5 | 854.8 | 1,023.0 | 929.3 | 908.8 | 927.6 | 858.2 | 884.7 | 776.8 | 928.7 | | |
| Asia | do | 174,452.3 | 190,729.3 | 15,374.9 | 14,822.7 | 14,489.5 | 14,740.2 | 16,145.3 | 16,032.2 | 17,445.6 | 16,048.4 | 17,248.2 | 16,606.9 | 17,481.6 | | |
| Australia and Oceania | do | 4,135.9 | 4,824.0 | 430.9 | 428.7 | 387.4 | 415.6 | 466.9 | 370.9 | 434.2 | 341.8 | 344.8 | 384.9 | 350.7 | | |
| Europe | do | 97,418.7 | 102,673.0 | 8,200.1 | 9,329.4 | 8,163.3 | 8,676.7 | 9,069.8 | 8,523.7 | 7,922.3 | 7,898.4 | 8,657.8 | 9,039.8 | 9,733.7 | | |
| Northern North America | do | 71,093.5 | 80,924.7 | 6,598.6 | 7,273.0 | 6,830.9 | 7,242.2 | 7,470.4 | 5,790.9 | 6,301.1 | 7,017.6 | 7,332.6 | 7,149.5 | 5,928.2 | | |
| Southern North America | do | 26,498.1 | 29,485.0 | 2,524.3 | 2,557.8 | 2,248.7 | 2,492.2 | 2,670.7 | 2,225.6 | 2,576.8 | 2,450.9 | 2,466.6 | 2,600.9 | 2,484.0 | | |
| South America | do | 20,362.6 | 21,783.4 | 1,773.0 | 1,826.2 | 1,827.2 | 1,858.5 | 1,694.6 | 1,730.4 | 2,100.5 | 1,839.0 | 1,750.1 | 1,719.7 | 1,822.0 | | |
| By leading countries: | | | | | | | | | | | | | | | | |
| Africa | | | | | | | | | | | | | | | | |
| Egypt | do | 464.9 | 221.3 | 29.2 | 25.5 | 17.4 | 12.8 | 12.6 | 15.1 | 31.8 | 15.9 | 13.4 | 13.2 | 24.6 | | |
| Republic of South Africa | do | 1,345.5 | 1,529.6 | 125.1 | 128.7 | 110.3 | 128.9 | 126.0 | 132.7 | 136.6 | 121.0 | 152.9 | 136.9 | 123.0 | | |
| Asia, Australia and Oceania | | | | | | | | | | | | | | | | |
| Australia, including New Guinea | mil \$ | 3,029.5 | 3,565.4 | 336.3 | 286.6 | 276.5 | 288.8 | 346.1 | 248.5 | 302.7 | 248.0 | 269.7 | 312.3 | 283.1 | | |
| Japan | do | 84,575.0 | 89,802.1 | 7,186.4 | 7,480.8 | 7,183.0 | 6,786.6 | 7,537.6 | 7,405.5 | 7,736.0 | 7,073.4 | 8,417.2 | 8,186.7 | 8,456.0 | | |
| Europe | | | | | | | | | | | | | | | | |
| France | do | 10,730.2 | 12,216.6 | 954.9 | 1,087.8 | 895.8 | 1,149.1 | 1,281.8 | 1,056.1 | 922.0 | 943.6 | 990.7 | 973.5 | 1,104.3 | | |
| German Democratic Republic | do | 85.4 | 110.4 | 8.9 | 17.3 | 5.8 | 10.8 | 7.7 | 6.6 | 6.5 | 8.7 | 12.4 | 7.7 | 7.1 | | |
| Federal Republic of Germany | do | 27,069.3 | 26,502.3 | 2,162.8 | 2,513.2 | 2,154.6 | 2,158.8 | 2,212.5 | 2,067.1 | 1,942.6 | 2,132.4 | 2,124.8 | 2,302.0 | 2,641.8 | | |
| Italy | do | 11,039.6 | 11,610.9 | 970.6 | 1,060.2 | 893.5 | 893.7 | 1,033.1 | 1,089.9 | 1,058.6 | 717.2 | 978.1 | 1,023.9 | 1,032.5 | | |
| Union of Soviet Socialist Republics | do | 424.7 | 578.0 | 45.5 | 70.6 | 28.9 | 39.2 | 28.3 | 24.9 | 54.5 | 38.9 | 34.8 | 65.3 | 97.6 | | |
| United Kingdom | do | 17,341.3 | 18,041.7 | 1,463.5 | 1,649.8 | 1,546.0 | 1,549.7 | 1,551.5 | 1,401.2 | 1,449.0 | 1,381.0 | 1,509.1 | 1,638.7 | 1,747.6 | | |
| North and South America | | | | | | | | | | | | | | | | |
| Canada | do | 71,085.0 | 81,496.3 | 6,598.1 | 7,272.7 | 6,830.7 | 7,241.8 | 7,470.1 | 5,790.6 | 6,301.0 | 7,017.4 | 7,332.6 | 7,145.6 | 5,928.0 | | |
| Latin American Republics, total # | do | 44,370.9 | 48,913.7 | 4,075.9 | 4,173.4 | 3,923.3 | 4,155.1 | 4,160.8 | 3,754.0 | 4,487.7 | 4,129.7 | 4,045.7 | 4,105.3 | 4,077.8 | | |
| Brazil | do | 7,865.4 | 9,323.8 | 741.1 | 728.6 | 763.0 | 746.9 | 754.4 | 743.2 | 754.0 | 857.0 | 779.8 | 740.4 | 743.9 | | |
| Mexico | do | 20,270.8 | 23,276.9 | 1,982.0 | 2,004.9 | 1,799.2 | 1,978.8 | 2,116.6 | 1,699.9 | 2,025.8 | 1,951.6 | 1,989.5 | 2,049.4 | 1,932.9 | | |
| Venezuela | do | 5,579.0 | 5,228.1 | 416.1 | 403.6 | 435.1 | 549.1 | 429.5 | 405.8 | 497.2 | 437.7 | 403.1 | 375.7 | 430.3 | | |
| By commodity groups and principal commodities | | | | | | | | | | | | | | | | |
| Agricultural products, total | mil \$ | 20,686.9 | 21,207.5 | 1,935.0 | 1,946.2 | 1,715.0 | 1,662.5 | 1,599.5 | 1,594.8 | 1,897.3 | 1,659.4 | 1,774.9 | 1,775.6 | 1,759.2 | | |
| Nonagricultural products, total | do | 385,213.7 | 420,074.9 | 33,882.7 | 35,165.6 | 33,086.8 | 34,790.9 | 36,846.8 | 33,987.7 | 35,810.8 | 34,794.9 | 36,910.0 | 36,499.3 | 36,969.8 | | |
| Food and live animals # | do | 20,547.1 | 20,106.6 | 1,838.4 | 1,868.6 | 1,628.5 | 1,633.4 | 1,530.8 | 1,519.1 | 1,752.3 | 1,548.0 | 1,603.3 | 1,648.6 | 1,695.5 | | |
| Beverages and tobacco | do | 4,104.9 | 4,139.0 | 318.8 | 305.7 | 318.0 | 328.9 | 340.7 | 322.2 | 353.2 | 361.9 | 444.7 | 412.1 | 350.6 | | |
| Crude materials, inedible, exc fuels # | do | 11,525.7 | 13,397.5 | 1,050.5 | 1,199.2 | 1,098.1 | 1,150.3 | 1,165.6 | 1,070.1 | 1,186.8 | 1,110.8 | 1,170.7 | 1,142.5 | 1,076.1 | | |
| Mineral fuels, lubricants, etc | do | 44,219.5 | 41,087.8 | 3,795.1 | 3,190.3 | 3,280.6 | 3,864.6 | 3,490.5 | 3,338.8 | 3,608.0 | 3,203.6 | 3,057.0 | 3,101.3 | 3,582.5 | | |
| Petroleum and products | do | 41,529.4 | 38,175.2 | 3,479.3 | 2,948.0 | 3,048.6 | 3,627.0 | 3,296.0 | 3,115.5 | 3,336.5 | 3,020.5 | 2,86 | | | | |

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|--|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|
| | 1987 | 1988 | 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. mds, excl. military grant-aid) | | | | | | | | | | | | | | | | | |
| Unit value @ 1977=100 | 158.6 | 169.6 | 161.3 | 162.6 | 165.4 | 169.6 | 169.6 | 173.7 | 174.6 | 176.9 | 175.8 | 175.8 | 176.3 | | | | |
| Quantity | 127.0 | 149.8 | 142.4 | 173.0 | 154.0 | 153.1 | 151.9 | 136.7 | 145.9 | 148.6 | 149.8 | 145.1 | 159.0 | | | | |
| Value | 201.4 | 254.1 | 229.6 | 281.2 | 254.7 | 259.7 | 257.7 | 237.4 | 254.6 | 262.9 | 263.4 | 255.0 | 280.4 | | | | |
| General imports | | | | | | | | | | | | | | | | | |
| Unit value @ | 164.6 | 172.9 | 170.4 | 171.5 | 172.2 | 176.3 | 176.9 | 177.1 | 174.0 | 172.5 | 171.8 | 172.3 | 174.4 | | | | |
| Quantity | 169.2 | 175.1 | 173.1 | 178.2 | 166.4 | 170.3 | 179.0 | 165.4 | 174.0 | 178.5 | 185.4 | 183.0 | 182.9 | | | | |
| Value | 278.5 | 302.7 | 294.9 | 305.6 | 286.6 | 300.2 | 316.6 | 293.0 | 310.5 | 300.2 | 318.6 | 315.2 | 318.9 | | | | |
| Shipping Weight and Value | | | | | | | | | | | | | | | | | |
| Waterborne trade | | | | | | | | | | | | | | | | | |
| Exports (incl. reexports) | | | | | | | | | | | | | | | | | |
| Shipping weight | thous sh tons | 357,287 | 398,179 | 29,911 | 34,890 | 35,766 | 35,092 | 33,834 | 31,315 | 32,344 | 34,794 | 31,994 | 32,221 | 37,772 | | | |
| Value | mil \$ | 99,011 | 125,775 | 9,467 | 11,166 | 10,234 | 10,374 | 10,396 | 10,178 | 10,422 | 11,497 | 10,555 | 10,690 | 11,995 | | | |
| General imports | | | | | | | | | | | | | | | | | |
| Shipping weight | thous sh tons | 471,693 | 512,665 | 39,960 | 39,456 | 41,029 | 44,764 | 42,086 | 41,679 | 45,030 | 42,933 | 44,562 | 43,334 | 47,952 | | | |
| Value | mil \$ | 245,030 | 254,753 | 20,732 | 20,830 | 20,044 | 20,718 | 21,677 | 21,247 | 22,468 | 20,519 | 22,041 | 21,453 | 23,213 | | | |
| TRANSPORTATION AND COMMUNICATION | | | | | | | | | | | | | | | | | |
| TRANSPORTATION | | | | | | | | | | | | | | | | | |
| Air Carriers | | | | | | | | | | | | | | | | | |
| Certificated route carriers | | | | | | | | | | | | | | | | | |
| Passenger-miles (revenue) | bil | 404.47 | 423.30 | 29.71 | 36.19 | 34.02 | 35.35 | 38.24 | 40.88 | 43.00 | 33.82 | 35.45 | 32.53 | 33.48 | 32.18 | | |
| Passenger-load factor | percent | 62.3 | 62.5 | 57.5 | 64.4 | 62.5 | 62.5 | 66.6 | 68.2 | 70.9 | 60.3 | 61.9 | 59.8 | 58.3 | 56.2 | | |
| Ton-miles (revenue), total | mil | 50,469 | 53,800 | 3,803 | 4,585 | 4,305 | 4,449 | 4,780 | 5,058 | 5,261 | 4,364 | 4,605 | 4,295 | 4,413 | 4,099 | | |
| Operating revenues (quarterly) # | mil \$ | 56,699 | | | 14,478 | | | 16,088 | | | 16,985 | | | | | | |
| Passenger revenues | do | 44,883 | | | 11,374 | | | 12,550 | | | 13,579 | | | | | | |
| Cargo revenues | do | 6,395 | | | 1,726 | | | 1,834 | | | 1,855 | | | | | | |
| Mail revenues | do | 924 | | | 244 | | | 235 | | | 220 | | | | | | |
| Operating expenses (quarterly) \$ | do | 54,262 | | | 14,246 | | | 14,865 | | | 15,483 | | | | | | |
| Net income after taxes (quarterly) \$ | do | 459 | | | -52 | | | 600 | | | 1,077 | | | | | | |
| Domestic operations | | | | | | | | | | | | | | | | | |
| Passenger-miles (revenue) | bil | 324.69 | 329.31 | 24.36 | 29.47 | 27.20 | 27.69 | 29.05 | 30.50 | 32.21 | 25.22 | 27.32 | 25.85 | 26.22 | 24.85 | | |
| Cargo ton-miles | mil | 4,340 | 4,843 | 355 | 419 | 391 | 394 | 415 | 407 | 416 | 417 | 437 | 428 | 413 | 363 | | |
| Mail ton-miles | mil | 1,313 | 1,367 | 105 | 121 | 111 | 105 | 106 | 103 | 105 | 106 | 111 | 113 | 169 | 112 | | |
| Operating revenues (quarterly) \$ | mil \$ | 45,468 | | | 11,616 | | | 12,725 | | | 12,898 | | | | | | |
| Operating expenses (quarterly) \$ | do | 43,756 | | | 11,489 | | | 11,767 | | | 11,972 | | | | | | |
| Net income after taxes (quarterly) \$ | do | 1,712 | | | 127 | | | 958 | | | 926 | | | | | | |
| International operations | | | | | | | | | | | | | | | | | |
| Passenger-miles (revenue) | bil | 79.83 | 93.99 | 5.34 | 6.72 | 6.82 | 7.66 | 9.18 | 10.38 | 10.80 | 8.60 | 8.12 | 6.67 | 7.26 | 7.33 | | |
| Cargo ton-miles | mil | 3,921 | 4,789 | 338 | 388 | 364 | 379 | 399 | 424 | 403 | 423 | 473 | 457 | 423 | 371 | | |
| Mail ton-miles | mil | 443 | 470 | 34 | 39 | 37 | 36 | 36 | 36 | 36 | 35 | 39 | 46 | 61 | 36 | | |
| Operating revenues (quarterly) \$ | mil \$ | 10,907 | | | 2,772 | | | 3,293 | | | 4,024 | | | | | | |
| Operating expenses (quarterly) \$ | do | 10,214 | | | 2,681 | | | 3,046 | | | 3,456 | | | | | | |
| Net income after taxes (quarterly) \$ | do | 302 | | | 91 | | | 247 | | | 568 | | | | | | |
| Urban Transit Systems | | | | | | | | | | | | | | | | | |
| Passengers carried, total * | mil | 8,972 | | 737 | 835 | 779 | 750 | 758 | 695 | 753 | 740 | | | | | | |
| Motor Carriers | | | | | | | | | | | | | | | | | |
| Carriers of property, large, class I, qtrly | | | | | | | | | | | | | | | | | |
| Number of reporting carriers | | 100 | | | 100 | | | 100 | | | 100 | | | | | | |
| Operating revenues, total | mil \$ | 18,772 | | | 4,403 | | | 4,710 | | | 4,998 | | | | | | |
| Net income, after extraordinary and prior period charges and credits | mil \$ | 263 | | | 38 | | | 108 | | | 179 | | | | | | |
| Tonnage hauled (revenue), common and contract carrier service | mil tons | 179 | | | 42 | | | 43 | | | 45 | | | | | | |
| Freight carried—volume indexes, class I and II intercity truck tonnage (ATA) | | | | | | | | | | | | | | | | | |
| Common carriers of general freight, seas adj | 1967=100 | 163.8 | 177.2 | 171.9 | 175.2 | 175.5 | 179.6 | 184.7 | 172.7 | 178.6 | 178.5 | 178.3 | 178.1 | 178.3 | 177.6 | 167.9 | |
| Class I Railroads † | | | | | | | | | | | | | | | | | |
| Financial operations, quarterly (AAR), excluding Amtrak | | | | | | | | | | | | | | | | | |
| Operating revenues, total # | mil \$ | 26,623 | | | 6,868 | | | 7,009 | | | | | | | | | |
| Freight | do | 25,798 | | | 6,666 | | | 6,804 | | | | | | | | | |
| Passenger, excl. Amtrak | do | 95 | | | 21 | | | 21 | | | | | | | | | |
| Operating expenses | do | 23,881 | | | 6,034 | | | 6,649 | | | | | | | | | |
| Net railway operating income | do | 1,752 | | | 569 | | | 225 | | | | | | | | | |
| Ordinary income † | do | 1,989 | | | 523 | | | 347 | | | 740 | | | | | | |
| Traffic | | | | | | | | | | | | | | | | | |
| Revenue ton-miles, qtrly (AAR) | bil | 943.7 | 1,003.5 | | 247.4 | | | 251.3 | | | 249.9 | | | 254.9 | | 230.5 | |
| Price index for railroad freight 12/84=100 | | 100.1 | 104.8 | 103.2 | 103.2 | 105.2 | 105.2 | 104.9 | 105.2 | 105.4 | 105.4 | 105.4 | 105.4 | 105.9 | 105.9 | 105.9 | |
| Travel | | | | | | | | | | | | | | | | | |
| Lodging industry | | | | | | | | | | | | | | | | | |
| Restaurant sales index same month 1967=100 | | 223 | | 217 | 241 | 233 | 276 | 265 | 259 | 218 | 222 | 258 | 222 | | | | |
| Hotels Average room sale ◊ | dollars | 82.58 | | 88.17 | 89.27 | 85.37 | 84.97 | 82.70 | 76.58 | 80.49 | 83.65 | 89.71 | 88.54 | | | | |
| Rooms occupied % of total | | 68 | | 63 | 72 | 70 | 70 | 70 | 68 | 72 | 66 | 72 | 66 | | | | |
| Motor hotels Average room sale ◊ | dollars | 47.79 | | 45.78 | 48.88 | 46.35 | 44.48 | 45.58 | 51.56 | 46.61 | 43.01 | 44.25 | 43.62 | | | | |
| Rooms occupied % of total | | 62 | | 60 | 72 | 68 | 64 | 71 | 75 | 74 | 64 | 66 | 56 | | | | |
| Economy hotels Average room sale ◊ | dollars | 32.87 | | 41.87 | 36.10 | 50.30 | 53.52 | 50.19 | 50.44 | 36.18 | 34.30 | 33.42 | 33.32 | | | | |
| Rooms occupied % of total | | 64 | | 56 | 71 | 68 | 66 | 74 | 80 | 78 | 65 | 65 | 56 | | | | |
| Foreign travel | | | | | | | | | | | | | | | | | |
| U.S. citizens Arrivals (quarterly) | thous | 17,005 | | | 4,126 | | | 4,340 | 2,134 | 2,007 | 2,141 | 2,140 | 2,127 | | | | |
| Departures (quarterly) | do | 16,425 | | | 3,717 | | | 4,529 | 2,187 | 2,199 | 2,139 | 2,130 | 2,174 | | | | |
| Aliens Arrivals (quarterly) | do | 11,639 | | | 2,801 | | | 3,337 | 2,163 | 2,150 | 2,124 | 2,110 | 2,143 | | | | |
| Departures (quarterly) | do | 10,239 | | | 2,440 | | | 2,881 | 2,181 | 2,159 | 2,173 | 2,108 | 2,100 | | | | |
| Passports issued | do | 4,872 | 4,061 | 378 | 467 | 432 | 408 | 421 | 335 | 339 | 263 | 235 | 233 | 223 | 283 | 323 | |
| National parks, recreation visits # | do | 55,782 | 55,422 | 1,563 | 2,272 | 2,925 | 4,677 | 7,790 | 10,359 | 9,871 | 6,277 | 4,737 | 2,241 | 1,304 | 1,516 | 1,302 | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | 1989 | | | |
|-------|---|------|------|------|------|-----|------|------|------|-------|------|------|------|------|------|------|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. |
| | Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1986 | | | | | | | | | | | | | | | |

TRANSPORTATION AND COMMUNICATION—Continued

| COMMUNICATION | | | | | | | | | | | | | | | | |
|--------------------------------------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Telephone carriers: ◇ | | | | | | | | | | | | | | | | |
| Operating revenues # | ml. \$ | 74,657 | | | | | | | | | | | | | | |
| Station revenues | do | 31,669 | | | | | | | | | | | | | | |
| Tolls, message | do | 9,171 | | | | | | | | | | | | | | |
| Operating expenses (excluding taxes) | do | 50,384 | | | | | | | | | | | | | | |
| Net operating income (after taxes) | do | 13,370 | | | | | | | | | | | | | | |
| Access lines | mil | | | | | | | | | | | | | | | |

CHEMICALS AND ALLIED PRODUCTS

| CHEMICALS | | | | | | | | | | | | | | | | |
|--|------------------|---------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|------------------|------------------|-------|-------|
| Inorganic Chemicals | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | |
| Aluminum sulfate, commercial (17% Al ₂ O ₃) ‡ | thous. sh. tons | 1,264 | 1,274 | 101 | 107 | 100 | 108 | 118 | 110 | 121 | 108 | 96 | 98 | 106 | 91 | 90 |
| Chlorine gas (100% Cl ₂) ‡ | do | 11,019 | 11,329 | 907 | 974 | 953 | 910 | 904 | 922 | 951 | 960 | 987 | 966 | (³) | 974 | 1,068 |
| Hydrochloric acid (100% HCl) ‡ | do | 2,869 | 2,668 | 221 | 226 | 233 | 187 | 183 | 181 | 232 | 232 | 205 | 221 | 233 | 227 | 223 |
| Phosphorus, elemental ‡ | do | 344 | 352 | 30 | 30 | 30 | 30 | 30 | 28 | 27 | 29 | 29 | 29 | 30 | 30 | 28 |
| Sodium hydroxide (100% NaOH) ‡ | do | 11,486 | 11,983 | 946 | 1,031 | 1,022 | 851 | 845 | 872 | 999 | 1,033 | 1,038 | 1,022 | (³) | 1,039 | 1,121 |
| Sodium silicate, anhydrous ‡ | do | 952 | 748 | 59 | 63 | 62 | 57 | 74 | 65 | 71 | 76 | 70 | 66 | (³) | 64 | 103 |
| Sodium sulfate, anhydrous ‡ | do | 813 | 789 | 65 | 69 | 69 | 70 | 68 | 60 | 68 | 67 | 63 | 65 | 65 | 71 | 64 |
| Sodium tripolyphosphate (100% Na ₃ P ₃ O ₁₀) ‡ | do | 586 | 551 | 48 | 54 | 58 | 47 | 49 | 39 | 41 | 36 | 51 | 47 | 45 | 49 | 46 |
| Titanium dioxide (composite and pure) ‡ | do | 968 | 1,026 | 81 | 86 | 88 | 92 | 84 | 85 | 84 | 88 | 78 | 86 | 91 | 93 | 92 |
| Sulfur, native (Frasch) and recovered: | | | | | | | | | | | | | | | | |
| Production | thous. met. tons | 9,363 | 9,618 | 754 | 815 | 777 | 779 | 773 | 769 | 805 | 762 | 836 | 816 | 931 | 935 | 794 |
| Stocks (producers') end of period | do | 2,316 | 1,112 | 2,133 | 1,963 | 1,894 | 1,750 | 1,580 | 1,536 | 1,490 | 1,368 | 1,324 | 1,210 | 1,112 | 1,101 | 1,122 |
| Inorganic Fertilizer Materials | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | |
| Ammonia, synthetic anhydrous ‡ | thous. sh. tons | 16,095 | 16,937 | 1,304 | 1,455 | 1,475 | 1,513 | 1,395 | 1,443 | 1,388 | 1,289 | 1,346 | 1,400 | 1,520 | 1,529 | 1,336 |
| Ammonium nitrate, original solution ‡ | do | 6,547 | 7,186 | 589 | 652 | 648 | 635 | 560 | 574 | 565 | 515 | 587 | 621 | 658 | 687 | 612 |
| Ammonium sulfate ‡ | do | 2,189 | 2,337 | 191 | 200 | 187 | 210 | 172 | 188 | 190 | 188 | 213 | 207 | 210 | 201 | 188 |
| Nitric acid (100% HNO ₃) ‡ | do | 7,225 | 7,887 | 650 | 736 | 710 | 690 | 623 | 631 | 630 | 570 | 627 | 654 | 708 | 726 | 657 |
| Nitrogen solutions (100% N) ‡ | do | 2,355 | 3,119 | 231 | 253 | 285 | 281 | 227 | 246 | 251 | 240 | 272 | 278 | 304 | 263 | 243 |
| Phosphoric acid (100% P ₂ O ₅) ‡ | do | 10,685 | 11,729 | 978 | 1,017 | 1,015 | 972 | 902 | 958 | 971 | 945 | 1,004 | 961 | 1,066 | 1,007 | 944 |
| Sulfuric acid (100% H ₂ SO ₄) ‡ | do | 39,235 | 42,775 | 3,366 | 3,591 | 3,657 | 3,590 | 3,376 | 3,510 | 3,549 | 3,441 | 3,673 | 3,675 | 3,922 | 3,790 | 3,524 |
| Superphosphate and other phosphate fertilizers (gross weight): | | | | | | | | | | | | | | | | |
| Production | thous. sh. tons | 15,674 | 16,858 | 1,370 | 1,392 | 1,385 | 1,277 | 1,223 | 1,339 | 1,436 | 1,378 | 1,588 | 1,515 | 1,604 | 1,592 | 1,413 |
| Stocks, end of period | do | 704 | 879 | 762 | 581 | 620 | 780 | 690 | 726 | 728 | 570 | 602 | 749 | 879 | 860 | 990 |
| Potash, sales (K ₂ O) | do | 6,204 | 5,703 | 422 | 486 | 688 | 586 | 392 | 280 | 467 | 347 | 438 | 447 | 548 | 579 | 344 |
| Imports: | | | | | | | | | | | | | | | | |
| Ammonium nitrate | thous. met. tons | 279 | 267 | 24 | 24 | 32 | 19 | 17 | 17 | 16 | 14 | 16 | 16 | 44 | 40 | 46 |
| Ammonium sulfate | do | 259 | 337 | 20 | 40 | 38 | 22 | 8 | 29 | 14 | 24 | 13 | 40 | 32 | 23 | 6 |
| Potassium chloride | do | 6,613 | 6,796 | 628 | 827 | 864 | 534 | 345 | 303 | 512 | 462 | 543 | 586 | 558 | 710 | 396 |
| Sodium nitrate | do | 99 | 131 | 6 | 11 | 38 | 17 | 9 | 6 | 15 | 15 | 5 | (²) | 8 | 41 | 14 |
| Industrial Gases ‡ | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | |
| Acetylene | mil cu ft. | 5,284 | 5,533 | 382 | 424 | 433 | 389 | 324 | 354 | 462 | 589 | 628 | 559 | 616 | | |
| Hydrogen (high and low purity) | do | 149,217 | 143,229 | 12,212 | 11,824 | 12,152 | 13,215 | 12,724 | 12,389 | 11,738 | 11,077 | 11,022 | 11,849 | 10,619 | | |
| Nitrogen (high and low purity) | do | 675,343 | 718,901 | 58,894 | 61,298 | 58,205 | 60,681 | 57,286 | 62,210 | 60,754 | 58,901 | 60,566 | 53,607 | 60,912 | | |
| Oxygen (high and low purity) | do | 402,644 | 447,701 | 35,147 | 37,469 | 36,474 | 38,863 | 36,002 | 37,856 | 38,156 | 36,676 | 37,603 | 38,022 | 38,359 | | |
| Organic Chemicals ‡ | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | |
| Acetylsalicylic acid (aspirin) | ml lb | 24.1 | 22.4 | | 6.8 | | | 6.5 | | | 4.8 | | | 4.3 | | |
| Ethyl acetate | do | 214.0 | 272.2 | | 47.0 | | | 48.0 | | | 87.2 | | | 71.6 | | |
| Formaldehyde (37% HCHO) | do | 5,733.2 | 6,729.8 | | 1,651.1 | | | 1,650.0 | | | 1,668.3 | | | 1,733.5 | | |
| Glycerin, refined, all grades | do | 276.4 | 281.7 | 23.9 | 24.9 | 24.2 | 24.8 | 22.0 | 25.5 | 20.8 | 21.9 | 24.8 | 26.0 | 19.4 | 27.7 | 20.9 |
| Methanol, synthetic | mil gal | 1,135.1 | 1,105.9 | | 272.0 | | | 253.2 | | | 271.8 | | | 315.6 | | |
| Phthalic anhydride | ml lb | 1,035.2 | 1,141.3 | | 270.4 | | | 284.4 | | | 294.6 | | | 291.8 | | |
| ALCOHOL | | | | | | | | | | | | | | | | |
| Ethyl alcohol and spirits: | | | | | | | | | | | | | | | | |
| Production | mil tax gal | 730.3 | | 61.2 | 64.2 | 60.7 | 69.8 | 61.2 | 65.9 | 62.8 | 61.2 | 69.7 | 69.7 | | | |
| Stocks, end of period | do | 43.4 | | 47.4 | 36.4 | 39.5 | 34.7 | 31.3 | 40.5 | 38.6 | 28.4 | 35.9 | 36.3 | | | |
| Denatured alcohol: | | | | | | | | | | | | | | | | |
| Production | mil wine gal | 442.5 | | 36.5 | 44.0 | 36.9 | 43.5 | 40.1 | 38.4 | 38.5 | 36.2 | 36.1 | 38.2 | | | |
| Consumption (withdrawals) | do | 460.6 | | 35.7 | 45.8 | 40.8 | 41.6 | 42.2 | 35.4 | 38.6 | 38.7 | 38.5 | 36.9 | | | |
| For fuel use | do | 208.3 | | 14.3 | 18.5 | 19.0 | 21.0 | 20.3 | 17.8 | 17.3 | 19.0 | 18.2 | 18.1 | | | |
| Stocks, end of period | do | 9.7 | | 11.5 | 11.4 | 7.6 | 11.1 | 8.6 | 7.4 | 10.9 | 8.7 | 7.5 | 7.4 | | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|---|----------|-------|---------|-------|---------|---------|---------|---------|-------|---------|-------|-------|---------|-------|------|--|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| | Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1986 | | | | | | | | | | | | | | | | |
| CHEMICALS AND ALLIED PRODUCTS—Continued | | | | | | | | | | | | | | | | | |
| PLASTICS AND RESIN MATERIALS | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Phenolic resins ml lb. | 21,697.1 | | | | | | | | | | | | | | | | |
| Polyethylene and copolymers . . . do | 17,374.6 | 18,331.5 | | 4,597.1 | | | | 4,555.4 | | | 4,422.5 | | | 4,753.5 | | | |
| Polypropylene do | 6,977.3 | 6,922.9 | | 1,679.3 | | | | 1,704.6 | | | 1,851.1 | | | 1,686.1 | | | |
| Polystyrene and copolymers . . . do | 8,282.8 | | | | | | | | | | | | | | | | |
| Polyvinyl chloride and copolymers . do | 8,337.8 | 8,962.4 | | 2,133.1 | | | | 2,153.4 | | | 2,324.2 | | | 2,333.5 | | | |
| PAINTS, VARNISH, AND LACQUER † | | | | | | | | | | | | | | | | | |
| Total shipments mil. \$. | 10,058.4 | 11,073.6 | 822.3 | 958.0 | 970.1 | 1,034.0 | 1,067.0 | 937.5 | 1,000.0 | 963.3 | 940.2 | 850.2 | 779.4 | 851.3 | 884.0 | | |
| Architectural coatings do | 4,215.8 | 4,384.1 | 304.8 | 385.0 | 390.7 | 421.0 | 457.6 | 401.4 | 427.6 | 383.0 | 355.8 | 301.4 | 282.0 | 310.3 | 318.5 | | |
| Product coatings (OEM) do | 3,858.8 | 4,457.2 | 358.0 | 387.7 | 381.7 | 395.3 | 392.2 | 384.2 | 367.5 | 383.7 | 398.4 | 378.2 | 345.2 | 378.0 | 394.2 | | |
| Special purpose coatings do | 1,983.8 | 2,232.3 | 159.4 | 185.3 | 197.6 | 217.1 | 217.2 | 202.0 | 205.0 | 196.7 | 186.0 | 170.7 | 152.2 | 163.0 | 171.3 | | |

| ELECTRIC POWER AND GAS | | | | | | | | | | | | | | | | |
|--|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|--|
| ELECTRIC POWER | | | | | | | | | | | | | | | | |
| Production | | | | | | | | | | | | | | | | |
| Electric utilities, total mil. kw-hr | 2,572,127 | 2,700,924 | 216,813 | 213,838 | 195,818 | 208,144 | 232,183 | 257,048 | 267,143 | 220,095 | 210,377 | 209,982 | 232,553 | | | |
| By fuels do | 2,322,432 | 2,477,767 | 197,648 | 194,324 | 176,717 | 186,913 | 213,353 | 240,145 | 250,701 | 203,764 | 195,266 | 190,925 | 212,640 | | | |
| By waterpower do | 249,695 | 223,157 | 19,165 | 19,514 | 19,102 | 21,230 | 18,829 | 16,904 | 16,447 | 16,270 | 15,112 | 18,457 | 19,913 | | | |
| Sales to ultimate customers, total (Edison Electric Institute) ◇ | | | | | | | | | | | | | | | | |
| Commercial \$ do | 2,431,192 | 2,549,208 | | 638,859 | | | 591,912 | | | 705,136 | | | 613,302 | | | |
| Industrial \$ do | 656,708 | 696,400 | | 166,780 | | | 165,283 | | | 197,196 | | | 167,135 | | | |
| Railways and railroads do | 842,680 | 878,476 | | 211,404 | | | 218,376 | | | 228,555 | | | 220,144 | | | |
| Residential or domestic do | 4,878 | 5,061 | | 1,304 | | | 1,183 | | | 1,274 | | | 1,299 | | | |
| Street and highway lighting do | 845,069 | 885,075 | | 238,639 | | | 187,087 | | | 256,101 | | | 203,249 | | | |
| Other public authorities do | 14,542 | 14,724 | | 3,755 | | | 3,469 | | | | | | 3,530 | | | |
| Interdepartmental do | 62,819 | 65,302 | | 16,098 | | | 15,526 | | | 17,327 | | | 16,352 | | | |
| Revenue from sales to ultimate customers (Edison Electric Institute) ◇ mil. \$ | 4,495 | 4,170 | | 881 | | | 982 | | | 1,113 | | | 1,194 | | | |
| GAS ◇ | | | | | | | | | | | | | | | | |
| Total utility gas, quarterly (American Gas Association) | | | | | | | | | | | | | | | | |
| Customers, end of period, total @ thous | 51,802 | 53,096 | | 52,720 | | | 52,431 | | | 52,093 | | | 53,096 | | | |
| Residential do | 47,579 | 48,756 | | 48,357 | | | 48,139 | | | 47,871 | | | 48,756 | | | |
| Commercial do | 3,990 | 4,108 | | 4,133 | | | 4,058 | | | 3,992 | | | 4,108 | | | |
| Industrial @ do | 179 | 179 | | 175 | | | 179 | | | 177 | | | 179 | | | |
| Other do | 54 | 54 | | 54 | | | 54 | | | 53 | | | 54 | | | |
| Sales to customers, total trl Btu | | | | | | | | | | | | | | | | |
| Residential do | 10,543 | 10,691 | | 4,084 | | | 1,961 | | | 1,628 | | | 2,855 | | | |
| Commercial do | 4,385 | 4,747 | | 2,192 | | | 791 | | | 373 | | | 1,353 | | | |
| Industrial do | 2,156 | 2,306 | | 982 | | | 398 | | | 260 | | | 639 | | | |
| Electric generation do | 2,541 | 2,251 | | 640 | | | 480 | | | 471 | | | 581 | | | |
| Other do | 1,306 | 1,229 | | 211 | | | 264 | | | 502 | | | 235 | | | |
| Revenue from sales to customers, total mil. \$. | 155 | 158 | | 60 | | | 28 | | | 22 | | | 47 | | | |
| Residential do | 45,492 | 46,362 | | 18,238 | | | 8,353 | | | 6,307 | | | 12,858 | | | |
| Commercial do | 23,622 | 25,158 | | 10,779 | | | 4,390 | | | 2,489 | | | 7,278 | | | |
| Industrial do | 10,271 | 10,783 | | 4,510 | | | 1,857 | | | 1,185 | | | 3,014 | | | |
| Electric generation do | 7,500 | 6,739 | | 2,160 | | | 1,362 | | | 1,294 | | | 1,793 | | | |
| Other do | 3,569 | 3,141 | | 581 | | | 645 | | | 1,291 | | | 608 | | | |
| Other do | 530 | 541 | | 208 | | | 97 | | | 58 | | | 166 | | | |

| FOOD AND KINDRED PRODUCTS; TOBACCO | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|
| ALCOHOLIC BEVERAGES | | | | | | | | | | | | | | | | |
| Beer | | | | | | | | | | | | | | | | |
| Production ml bbl | 195.42 | 197.69 | 15.85 | 17.12 | 17.73 | 18.31 | 18.58 | 18.17 | 17.72 | 15.45 | 15.61 | 14.02 | 13.32 | 15.88 | | |
| Taxable withdrawals do | 177.85 | 178.05 | 13.94 | 15.26 | 15.24 | 16.48 | 17.04 | 16.41 | 16.22 | 14.12 | 14.09 | 13.21 | 12.23 | 14.09 | | |
| Stocks, end of period do | 12.94 | 13.23 | 13.85 | 14.12 | 15.13 | 15.25 | 14.95 | 14.88 | 14.32 | 13.68 | 14.15 | 13.47 | 13.23 | 13.38 | | |
| Distilled spirits (total) | | | | | | | | | | | | | | | | |
| Production mil. tax gal | 76.51 | | 6.50 | 7.43 | 7.87 | 9.16 | 7.10 | 5.70 | 5.14 | 9.82 | 12.96 | 9.75 | | | | |
| Consumption, apparent, for beverage purposes † mil wine gal | 388.22 | | 26.57 | 30.67 | 30.36 | 30.16 | 32.77 | 28.09 | 29.44 | 30.08 | 31.28 | 36.64 | | | | |
| Stocks, end of period mil tax gal | 455.00 | | 448.14 | 446.43 | 445.14 | 395.06 | 440.21 | 435.39 | 431.54 | 427.33 | 426.38 | 423.98 | | | | |
| Imports mil liters | 404.60 | 363.20 | 23.50 | 28.50 | 27.00 | 28.70 | 25.80 | 24.50 | 29.50 | 33.50 | 44.50 | 42.10 | 26.50 | 24.14 | 28.23 | |
| Whisky | | | | | | | | | | | | | | | | |
| Production mil tax gal | 38.33 | | 2.53 | 4.06 | 4.46 | 4.68 | 3.45 | 3.00 | 2.82 | 3.91 | 5.61 | 6.04 | | | | |
| Stocks, end of period do | 393.72 | | 386.47 | 384.78 | 384.08 | 334.27 | 379.87 | 377.28 | 373.78 | 369.90 | 367.40 | 364.83 | | | | |
| Imports mil liters | 268.50 | 231.90 | 13.90 | 18.90 | 16.40 | 18.40 | 16.20 | 14.00 | 19.20 | 21.20 | 30.80 | 27.60 | 16.50 | 15.61 | 17.15 | |
| Wines and distilling materials | | | | | | | | | | | | | | | | |
| Effervescent wines: | | | | | | | | | | | | | | | | |
| Production mil wine gal | 27.89 | 30.69 | 2.48 | 1.66 | 2.26 | 1.36 | 3.45 | 2.71 | 2.66 | 3.04 | 3.65 | 3.02 | 2.62 | | | |
| Taxable withdrawals do | 30.04 | 29.14 | 1.24 | 1.51 | 1.36 | 1.91 | 3.96 | 1.70 | 1.75 | 3.48 | 3.87 | 4.68 | 3.54 | | | |
| Stocks, end of period do | 14.99 | 18.65 | 16.50 | 16.46 | 17.29 | 17.57 | 17.67 | 18.45 | 19.00 | 18.27 | 17.95 | 15.48 | 18.65 | | | |
| Imports mil liters | 52.50 | 49.30 | 2.70 | 3.60 | 2.70 | 3.30 | 3.00 | 3.30 | 4.10 | 4.00 | 7.50 | 8.00 | 4.90 | 1.91 | 2.10 | |
| Still wines: | | | | | | | | | | | | | | | | |
| Production mil wine gal | 442.83 | 469.28 | 4.61 | 5.14 | 3.84 | 4.88 | 3.50 | 6.72 | 26.50 | 192.53 | 117.01 | 53.30 | 45.03 | | | |
| Taxable withdrawals do | 451.80 | 444.32 | 31.84 | 38.47 | 40.49 | 41.65 | 47.22 | 38.98 | 36.40 | 33.09 | 32.46 | 34.33 | 34.35 | | | |
| Stocks, end of period do | 602.97 | 586.77 | 589.39 | 501.19 | 542.89 | 470.22 | 454.47 | 387.52 | 371.93 | 569.32 | 548.27 | 587.32 | 586.77 | | | |
| Imports do | 312.00 | 257.40 | 18.90 | 23.10 | 20.40 | 21.50 | 21.50 | 20.90 | 20.20 | 19.80 | 27.00 | 26.50 | 19.60 | 14.98 | 13.55 | |
| Distilling materials produced at wineries do | | | | | | | | | | | | | | | | |
| | 145.90 | 131.76 | 10.98 | 2.21 | 3.10 | 3.50 | 2.94 | 1.96 | 10.09 | 40.53 | 32.88 | 8.95 | 7.01 | | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|-------|---|------|------|------|------|-----|------|------|------|-------|------|------|------|------|------|------|--|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| | Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1986 | | | | | | | | | | | | | | | | |

FOOD AND KINDRED PRODUCTS, TOBACCO—Continued

| DAIRY PRODUCTS | | | | | | | | | | | | | | | | |
|--|----------|----------|---------|--------|--------|---------|--------|--------|--------|---------|--------|---------|--------|--------|-------|--------|
| Butter: | | | | | | | | | | | | | | | | |
| Production (factory) mil lb | 1,104.1 | 1,198.3 | 117.1 | 116.4 | 111.7 | 107.9 | 91.7 | 75.9 | 74.2 | 83.0 | 92.2 | 111.2 | 129.0 | 124.7 | | |
| Stocks, cold storage, end of period do | 143.2 | 214.7 | 198.9 | 221.1 | 240.4 | 280.5 | 293.4 | 295.8 | 294.4 | 253.4 | 237.3 | 226.2 | 214.7 | 246.6 | 314.4 | 342.6 |
| Producer Price Index 1982=100 | 95.3 | 90.8 | 88.6 | 88.8 | 88.8 | 88.8 | 91.4 | 92.1 | 92.6 | 92.6 | 92.2 | 92.1 | 92.1 | 89.2 | 88.6 | 88.5 |
| Cheese | | | | | | | | | | | | | | | | |
| Production (factory), total mil lb | 5,344.2 | 5,531.7 | 428.8 | 483.9 | 473.1 | 490.2 | 474.4 | 454.2 | 441.7 | 448.5 | 467.5 | 454.0 | 482.6 | 456.6 | 419.5 | |
| American, whole milk do | 2,716.7 | 2,787.0 | 221.0 | 244.6 | 251.8 | 258.7 | 245.2 | 235.9 | 213.7 | 210.1 | 224.1 | 214.1 | 242.1 | 225.6 | 208.7 | |
| Stocks, cold storage, end of period do | 457.1 | 388.1 | 448.3 | 448.8 | 451.9 | 460.1 | 480.9 | 496.1 | 460.8 | 421.3 | 400.7 | 366.7 | 388.1 | 395.8 | 402.3 | 397.7 |
| American, whole milk do | 367.4 | 283.4 | 359.9 | 354.1 | 359.2 | 366.7 | 381.9 | 388.4 | 351.1 | 314.8 | 293.2 | 260.8 | 283.4 | 283.8 | 290.9 | 286.2 |
| Imports thous met. tons | 120.2 | 114.6 | 7.8 | 7.7 | 7.5 | 7.6 | 9.1 | 10.8 | 11.0 | 8.8 | 10.6 | 12.2 | 12.2 | 17.4 | 6.9 | |
| Price, wholesale, cheddar, single daisies (Chicago) \$ per lb | (*) | | | | | | | | | | | | | | | |
| Condensed and evaporated milk | | | | | | | | | | | | | | | | |
| Production, case goods mil lb | 579.7 | 558.5 | 41.6 | 53.0 | 54.4 | 51.3 | 54.5 | 44.8 | 47.9 | 46.6 | 41.4 | 40.4 | 38.4 | 44.5 | 41.5 | |
| Stocks, manufacturers', case goods, end of period do | 31.8 | 44.1 | 51.8 | 59.7 | 71.3 | 85.1 | 94.3 | 103.5 | 105.3 | 92.3 | 89.4 | 51.5 | 44.1 | 59.4 | 75.1 | |
| Exports thous met. tons | 2.4 | 3.5 | 3 | 1 | 1 | 4 | 3 | 3 | 2 | 6 | 1 | 1.0 | 1 | 2 | 2.5 | |
| Fluid milk | | | | | | | | | | | | | | | | |
| Production on farms † mil lb | 121,294 | 123,896 | 9,822 | 10,693 | 10,605 | 11,064 | 10,562 | 10,514 | 10,282 | 9,967 | 10,125 | 9,790 | 10,251 | 10,465 | 9,830 | 10,864 |
| Utilization in manufactured dairy products do | 81,740 | 84,762 | 6,847 | 7,552 | 7,519 | 7,832 | 7,592 | 7,076 | 6,891 | 6,684 | 6,630 | 6,342 | 6,916 | 7,189 | 6,878 | |
| Price, wholesale, U S average \$ per 100 lb. | 12.54 | 12.14 | 12.30 | 11.90 | 11.60 | 11.40 | 11.30 | 11.40 | 11.80 | 12.40 | 13.00 | 13.40 | 13.50 | 13.40 | 13.10 | 12.80 |
| Dry milk | | | | | | | | | | | | | | | | |
| Production | | | | | | | | | | | | | | | | |
| Dry whole milk mil lb | 145.9 | 169.9 | 13.4 | 12.9 | 15.7 | 16.7 | 14.1 | 14.8 | 14.3 | 14.7 | 13.3 | 12.6 | 13.8 | 15.3 | 13.9 | |
| Nonfat dry milk (human food) do | 1,059.0 | 968.4 | 85.8 | 95.8 | 102.6 | 104.1 | 104.6 | 79.5 | 66.6 | 60.1 | 56.0 | 56.0 | 73.4 | 87.1 | 85.6 | |
| Stocks, manufacturers', end of period | | | | | | | | | | | | | | | | |
| Dry whole milk do | 8.0 | 12.8 | 9.0 | 6.6 | 8.4 | 9.3 | 10.6 | 11.4 | 11.4 | 11.2 | 10.6 | 10.8 | 12.3 | 12.9 | 10.9 | |
| Nonfat dry milk (human food) do | 65.1 | 45.1 | 63.5 | 56.2 | 70.8 | 74.1 | 67.7 | 71.3 | 53.3 | 44.4 | 49.9 | 39.1 | 45.1 | 60.4 | 79.8 | |
| Exports, whole and nonfat (human food) thous met. tons | 175.9 | 153.1 | 5.4 | 12.7 | 6.9 | 13.4 | 18.2 | 14.8 | 15.8 | 16.0 | 12.0 | 13.3 | 14.6 | 16.0 | 8.0 | |
| Price, manufacturers' average selling, nonfat dry milk (human food) \$ per lb. | .793 | .773 | .738 | .734 | .734 | .735 | .740 | .753 | .770 | .807 | .826 | .841 | .849 | .853 | .841 | |
| GRAIN AND GRAIN PRODUCTS | | | | | | | | | | | | | | | | |
| Exports (barley, corn, oats, rye, wheat) mil bu | | | | | | | | | | | | | | | | |
| 2,920.4 | 3,448.3 | 274.9 | 327.7 | 328.9 | 332.8 | 274.1 | 250.2 | 266.7 | 289.2 | 273.4 | 246.6 | 295.4 | | | | |
| Barley | | | | | | | | | | | | | | | | |
| Production (crop estimate) do | 2529.5 | 2290.5 | | | | | | | | | | | | | | |
| Stocks (domestic), end of period, total do | 835.6 | 732.4 | | | | 321.2 | | | | | 450.7 | | 372.4 | | | |
| On farms do | 193.9 | 132.8 | | | | 193.1 | | | | | 239.2 | | 182.3 | | | |
| Off farms do | 141.7 | 139.6 | | | | 128.1 | | | | | 211.5 | | 189.6 | | | |
| Exports, including malt \$ do | 143.0 | 103.1 | 7.2 | 15.8 | 9.0 | 5.0 | 12.4 | 11.7 | 2.5 | 8.8 | 2.2 | 3.1 | 15.4 | | | |
| Producer Price Index, No. 2 feed, Minneapolis 1982=100 | 1085.7 | 1110.4 | 89.3 | 97.7 | 106.6 | 102.4 | 125.4 | 122.8 | 104.5 | 138.7 | 120.2 | 117.5 | 110.2 | 114.9 | 118.6 | 130.1 |
| Corn | | | | | | | | | | | | | | | | |
| Production (crop estimate, grain only) mil bu | 27,064.1 | 24,921.2 | | | | | | | | | | | | | | |
| Stocks (domestic), end of period, total do | 9,771.0 | 7,071.6 | 7,835.6 | | | 5,895.5 | | | | 4,259.1 | | 7,071.6 | | | | |
| On farms do | 76,100.0 | 4,280.2 | 4,421.0 | | | 3,241.0 | | | | 2,002.8 | | 4,280.2 | | | | |
| Off farms do | 3,671.0 | 2,791.4 | 3,214.6 | | | 2,594.5 | | | | 2,256.3 | | 2,791.4 | | | | |
| Exports, including meal and flour do | 1,606.7 | 1,823.4 | 123.7 | 163.9 | 166.3 | 179.4 | 132.9 | 122.5 | 151.8 | 153.7 | 173.9 | 149.2 | 172.6 | | | |
| Producer Price Index, No. 2, Chicago 1982=100 | 67.7 | 97.1 | 80.8 | 80.2 | 80.1 | 81.3 | 102.4 | 115.5 | 113.4 | 112.8 | 114.4 | 104.2 | 106.4 | 113.0 | 108.7 | 111.6 |
| Oats | | | | | | | | | | | | | | | | |
| Production (crop estimate) mil bu | 237.0 | 218.8 | | | | | | | | | | | | | | |
| Stocks (domestic), end of period, total do | 132.7 | 112.0 | | | | 112.0 | | | | | | | | | | |
| On farms do | 103.3 | 76.9 | | | | 76.9 | | | | | | | | | | |
| Off farms do | 29.4 | 35.1 | | | | 35.1 | | | | | | | | | | |
| Exports, including oatmeal do | 2.1 | 2.1 | .2 | 1 | .2 | .3 | .4 | .1 | 2 | 1 | 1 | 2 | 1 | | | |
| Producer Price Index, No. 2, Minneapolis 1982=100 | 92.5 | 133.3 | 110.7 | 103.0 | 94.3 | 116.0 | 162.5 | 159.8 | 165.6 | 163.8 | 156.1 | 143.2 | 142.6 | 155.3 | 133.4 | 131.8 |
| Rice | | | | | | | | | | | | | | | | |
| Production (crop estimate) mil bags # | 2129.6 | 2159.5 | | | | | | | | | | | | | | |
| Southern States mills (Ark., La., Tenn., Tex.) | | | | | | | | | | | | | | | | |
| Receipts, rough, from producers mil lb | 9,533 | 8,985 | 600 | 420 | 278 | 258 | 277 | 163 | 457 | 2,567 | 2,063 | 640 | 614 | 784 | 957 | |
| Shipments from mills, milled rice do | 7,791 | 6,722 | 596 | 491 | 400 | 525 | 465 | 428 | 476 | 700 | 677 | 633 | 775 | 609 | 656 | |
| Stocks, domestic, rough and cleaned (cleaned basis), end of period mil lb | 2,689 | 2,011 | 2,496 | 2,310 | 2,145 | 1,826 | 1,577 | 1,283 | 1,108 | 1,870 | 2,529 | 2,397 | 2,011 | 2,059 | 2,056 | |
| Exports do | 5,247 | 4,848 | 299 | 411 | 333 | 486 | 278 | 373 | 251 | 360 | 518 | 525 | 604 | | | |
| Producer Price Index, medium grain, milled 1982=100 | 83.3 | 113.1 | 115.4 | 117.7 | 116.6 | 120.6 | 117.5 | 114.9 | 114.6 | 111.9 | 106.7 | 104.4 | 104.5 | 104.5 | 104.5 | 104.0 |
| Rye | | | | | | | | | | | | | | | | |
| Production (crop estimate) mil bu | 19.8 | 15.0 | | | | | | | | | | | | | | |
| Producer Price Index, No. 2, Minneapolis 1982=100 | 54.7 | 69.1 | 54.9 | 50.5 | 46.9 | 53.5 | 93.8 | 82.1 | 78.4 | 81.3 | 71.8 | 77.9 | 82.8 | 79.1 | 79.1 | 76.2 |
| Wheat | | | | | | | | | | | | | | | | |
| Production (crop estimate), total | | | | | | | | | | | | | | | | |
| Spring wheat mil bu | 2,108 | 2,181 | | | | | | | | | | | | | | |
| Winter wheat do | 252 | 250 | | | | | | | | | | | | | | |
| Distribution, quarterly @ do | 1,565 | 1,561 | 580 | | | 666 | | | | 827 | | 549 | | | | |
| Stocks (domestic), end of period, total do | 2,500.6 | 1,709.9 | 1,923.5 | | | 1,260.8 | | | | 2,253.6 | | 1,709.9 | | | | |
| On farms do | 966.0 | 614.0 | 748.0 | | | 525.0 | | | | 798.0 | | 614.0 | | | | |
| Off farms do | 1,534.6 | 1,095.9 | 1,175.5 | | | 735.8 | | | | 1,455.6 | | 1,095.9 | | | | |
| Exports, total, including flour do | 1,168.1 | 1,518.6 | 149.8 | 148.0 | 153.4 | 148.1 | 128.4 | 115.8 | 112.1 | 126.4 | 96.8 | 94.1 | 106.8 | | | |
| Wheat only do | 1,106.7 | 1,469.2 | 141.7 | 147.3 | 151.6 | 146.1 | 121.5 | 110.0 | 106.5 | 124.8 | 91.2 | 90.7 | 99.8 | | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|--|---------|---------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|--------|--|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| | FOOD AND KINDRED PRODUCTS; TOBACCO—Continued | | | | | | | | | | | | | | | | |
| GRAIN AND GRAIN PRODUCTS—Continued | | | | | | | | | | | | | | | | | |
| Wheat—Continued | | | | | | | | | | | | | | | | | |
| Producer Price Indexes | | | | | | | | | | | | | | | | | |
| Hard red winter, No 1, ord protein (K.C.) 1982=100. | 70 6 | *90 8 | 82 6 | 75 1 | 79 1 | 76.8 | 93.6 | 93.9 | 93.3 | 101.7 | 105.3 | 108.6 | 105 2 | 110 1 | 108.0 | 114.6 | |
| Hard red spring, No 1, ord protein (Minn.) 1982=100. | 68 8 | *93 1 | 83 8 | 75 5 | 79 6 | 81.6 | 104 0 | 97.9 | 102.6 | 104 0 | 106.2 | 102.7 | 103.3 | 111 5 | 108 9 | 113 4 | |
| Wheat flour | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Flour thous. sacks (100 lb.) | 338,484 | 339,453 | 25,601 | 26,498 | 25,660 | 28,944 | 28,173 | 28,251 | 31,167 | 29,133 | 31,058 | 30,853 | 27,916 | *28,538 | 25,340 | .. | |
| Millfeed thous. sh. tons | 6,135 | 6,130 | 460 | 476 | 453 | 515 | 500 | 502 | 556 | 530 | 552 | 561 | 552 | *516 | 456 | .. | |
| Grindings of wheat thous. bu | 760,459 | 759,833 | 57,590 | 60,371 | 57,583 | 64,858 | 62,961 | 63,002 | 69,182 | 65,226 | 69,172 | 68,846 | 62,209 | *63,338 | 56,269 | .. | |
| Stocks held by mills, end of period | | | | | | | | | | | | | | | | | |
| Exports thous. sacks (100 lb.) | 5,858 | 5,137 | .. | 5,719 | .. | 5,205 | .. | .. | .. | 5,640 | .. | .. | 5,137 | .. | .. | .. | |
| Producer Price Index \$/83=100 | 26,367 | 21,181 | 883 | 273 | 782 | 831 | 2,941 | 2,490 | 2,385 | 689 | 2,411 | 1,447 | 2,991 | .. | .. | .. | |
| | 89.7 | 102.1 | 94.4 | 90.6 | 98.5 | 93.9 | 107.0 | 107.0 | 107.7 | 110.0 | 110.5 | 109.0 | 109.1 | 110.8 | 110.2 | 112.0 | |
| POULTRY AND EGGS | | | | | | | | | | | | | | | | | |
| Poultry | | | | | | | | | | | | | | | | | |
| Slaughter mil. lb. | | | | | | | | | | | | | | | | | |
| Stocks, cold storage (frozen), end of period, total mil. lb. | 501 | 451 | *549 | *580 | *615 | *681 | *668 | *712 | *735 | *761 | *781 | 510 | 451 | *462 | 455 | 456 | |
| Turkeys do | 282 | 250 | *322 | *339 | *371 | *410 | *457 | *496 | *552 | *573 | *583 | 304 | 250 | *263 | 263 | 267 | |
| Price, in Georgia producing area, live broilers \$ per lb. | 265 | 313 | 230 | 250 | 255 | 315 | 340 | 425 | 410 | 390 | 350 | 325 | 335 | 340 | 330 | 330 | |
| Eggs | | | | | | | | | | | | | | | | | |
| Production on farms mil. cases \$ | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period | 193 2 | 193 0 | 15.7 | 16.8 | 16.0 | 16.2 | 15.5 | 15.9 | 16 0 | 15 5 | 16 2 | 15 8 | 16.2 | 15 9 | 14 4 | .. | |
| Shell thous. cases \$ | 43 | 9 | 53 | *33 | 14 | 21 | 30 | 28 | 25 | 23 | 24 | 26 | 9 | *12 | 7 | 16 | |
| Frozen mil. lb. | 17 | 20 | 18 | 14 | 17 | 20 | 25 | 23 | 25 | 22 | 20 | 18 | 20 | *20 | 19 | 15 | |
| Price, wholesale, large (delivered, Chicago) \$ per doz | 579 | 583 | 489 | 536 | 479 | 471 | 528 | 698 | 654 | 714 | 681 | 622 | 661 | 678 | 666 | 910 | |
| LIVESTOCK | | | | | | | | | | | | | | | | | |
| Cattle and calves | | | | | | | | | | | | | | | | | |
| Slaughter (federally inspected) | | | | | | | | | | | | | | | | | |
| Calves thous. animals | 2,679 | *2,411 | 203 | 216 | 169 | 171 | 204 | 207 | 227 | 207 | 197 | 202 | 203 | 196 | 175 | 194 | |
| Cattle do | 34,468 | *34,048 | 2,679 | 2,812 | 2,707 | 2,830 | 2,983 | *2,898 | 3,120 | 2,927 | 2,871 | 2,698 | 2,685 | 2,711 | 2,500 | 2,744 | |
| Prices, wholesale | | | | | | | | | | | | | | | | | |
| Beef steers (Omaha) \$ per 100 lb | 64 60 | 69.58 | 68 31 | 71 53 | 72 71 | 75.15 | 70.58 | 65.96 | 67 08 | 67.71 | 69 13 | 70 07 | 71 21 | 72 35 | 72 92 | 75 81 | |
| Steers, stocker and feeder (Kansas City) do | 71 32 | 80 50 | 81 64 | 83.12 | 82.61 | 78 99 | 70 77 | 74 14 | 79 45 | 79.89 | 82 99 | 81 31 | 80.99 | 82 02 | 82 91 | 80 98 | |
| Calves, vealers (So St Paul) dollars † | 78.92 | *227.67 | 87.50 | 87.50 | 96 41 | 97.66 | 100 88 | 77.50 | 87 50 | *202.44 | 213 75 | 230 88 | 225.63 | 230 25 | 225 06 | 257 50 | |
| Hogs | | | | | | | | | | | | | | | | | |
| Slaughter (federally inspected) thous. animals | | | | | | | | | | | | | | | | | |
| Prices | 78,913 | *85,516 | *6,518 | 7,505 | 6,929 | 6,713 | 6,715 | 6,199 | 7,101 | 7,534 | 7,887 | 7,908 | 7,703 | 7,116 | 6,619 | 7,569 | |
| Wholesale, average, all weights (Sioux City) \$ per 100 lb. | 47.11 | 43 25 | 47.45 | 43 19 | 42 28 | 47 75 | 48 26 | 45.60 | 45.98 | 41 28 | 38 92 | 36 52 | 40.58 | 41.64 | 41 11 | 39 88 | |
| Hog-corn price ratio (bu of corn equal in value to 100 lb live hog) | 33 6 | 19 3 | 25 0 | 22 7 | 22 3 | 23 7 | 19 5 | 16.2 | 16 9 | 15 7 | 15 0 | 14.4 | 15 7 | 15 7 | 15 7 | 15.2 | |
| Sheep and lambs | | | | | | | | | | | | | | | | | |
| Slaughter (federally inspected) thous. animals | | | | | | | | | | | | | | | | | |
| Price, wholesale, lambs, average (Omaha) \$ per 100 lb. | 5,042 | 5,122 | 408 | 535 | 388 | 414 | 413 | 387 | 442 | 452 | 437 | 418 | 447 | 418 | 415 | 505 | |
| | 75 77 | 60.71 | 79 38 | 79 50 | (*) | 75.17 | 58.80 | 57 55 | 54 90 | 58 35 | 60 44 | 61 90 | 64 75 | 66 25 | 66.83 | 69.50 | |
| MEATS | | | | | | | | | | | | | | | | | |
| Total meats (excluding lard) | | | | | | | | | | | | | | | | | |
| Production, total mil. lb | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period do | 38,442 | *39,763 | *3,071 | *3,356 | 3,158 | 3,206 | *3,318 | *3,171 | *3,507 | 3,462 | *3,511 | *3,399 | 3,358 | 3,265 | 3,003 | 3,326 | |
| Exports (meats and meat preparations) thous. met tons | 623 | 716 | *689 | *717 | *759 | *721 | *671 | *634 | *644 | 664 | *701 | 716 | *745 | 762 | 750 | .. | |
| Imports (meats and meat preparations) do | 915 | 1,081 | 69 | 75 | 81 | 87 | 90 | 93 | 105 | 99 | 102 | 103 | 105 | *84 | 91 | .. | |
| Beef and veal | 1,250 | 1,263 | 108 | 127 | 112 | 104 | 125 | 99 | 114 | 91 | 88 | 89 | 74 | *114 | 86 | .. | |
| Production, total mil. lb | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period do | 23,821 | *23,811 | *1,861 | 1,958 | *1,869 | 1,948 | *2,059 | 2,013 | 2,197 | *2,074 | *2,041 | *1,909 | 1,904 | 1,928 | 1,772 | 1,920 | |
| Exports thous. met tons | 293 | 323 | *330 | *318 | *310 | *280 | *253 | *274 | *298 | 311 | 300 | 305 | 323 | *322 | 321 | 303 | |
| Imports do | 394 | 443 | 27 | 31 | 33 | 33 | 34 | 37 | 45 | 44 | 45 | 46 | 40 | *36 | 37 | .. | |
| Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs) (Central U S) \$ per lb | 725 | 753 | 61 | 76 | 70 | 61 | 81 | 58 | 72 | 53 | 48 | 50 | 34 | *72 | 50 | .. | |
| Lamb and mutton | 972 | 1 031 | 995 | 1 035 | 1 052 | 1 117 | 1 064 | 971 | 1 010 | 1 032 | 1 044 | 1 047 | 1 062 | 1 073 | 1 080 | 1 124 | |
| Production, total mil. lb | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period do | 310 | 329 | 26 | 35 | 26 | 27 | 27 | 24 | 28 | 28 | 28 | 27 | 29 | 27 | 27 | 33 | |
| Pork (excluding lard) | 8 | 6 | *6 | 7 | 8 | 8 | 9 | 9 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | |
| Production, total do | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period do | 14,312 | *15,623 | *1,194 | *1,362 | 1,263 | 1,231 | *1,233 | 1,133 | *1,282 | *1,360 | *1,448 | *1,463 | *1,425 | 1,310 | 1,204 | 1,373 | |
| Exports thous. met tons | 285 | 358 | 308 | 346 | *397 | 389 | 363 | 337 | 287 | 288 | 321 | *361 | 358 | *381 | 397 | 397 | |
| Imports do | 70 | 147 | 7 | 7 | 10 | 12 | 17 | 15 | 17 | 12 | 15 | 14 | 14 | *11 | 10 | .. | |
| Price, wholesale, ham, smoked (Central U S) \$ per lb | 461 | 439 | 41 | 44 | 37 | 37 | 39 | 36 | 37 | 33 | 34 | 32 | 34 | *36 | 31 | .. | |
| MISCELLANEOUS FOOD PRODUCTS | | | | | | | | | | | | | | | | | |
| Cocoa (cacao) beans, imports (including shells) thous. met. tons | | | | | | | | | | | | | | | | | |
| | 262 6 | 236.7 | 30.5 | 27 1 | 18 6 | 14 9 | 21.3 | 14.6 | 19.8 | 8.9 | 8 7 | 13 7 | 31.0 | *44 2 | 24 0 | .. | |
| Coffee | | | | | | | | | | | | | | | | | |
| Imports, total metric tons | | | | | | | | | | | | | | | | | |
| From Brazil do | 1,194,360 | 920,040 | 100,980 | 85,560 | 70,740 | 68,460 | 49,920 | 92,580 | 97,260 | 74,280 | 76,320 | 71,700 | 61,620 | *98,070 | 77,714 | .. | |
| U.S. Import Price Index † 1985=100 | 235,680 | 252,760 | 22,380 | 16,560 | 18,900 | 13,980 | 15,000 | 22,500 | 30,720 | 26,280 | 38,520 | 12,180 | 14,400 | *24,616 | 20,282 | .. | |
| | 81 6 | *91 0 | .. | *92.8 | .. | .. | 92.2 | .. | .. | 88 7 | .. | .. | *90 1 | .. | .. | 89 5 | |
| Fish | | | | | | | | | | | | | | | | | |
| Stocks, cold storage, end of period. mil. lb. | | | | | | | | | | | | | | | | | |
| | 421 | 415 | 395 | 372 | 381 | 367 | 384 | 376 | 407 | 406 | 421 | 404 | 415 | 392 | *353 | *330 | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|-------|---|------|------|-----|-----|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|--|
| | 1987 | 1988 | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | |
| | Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1986 | | | | | | | | | | | | | | | | |

FOOD AND KINDRED PRODUCTS; TOBACCO—Cont.

| MISCELLANEOUS FOOD PRODUCTS—Cont. | | | | | | | | | | | | | | | | | |
|--|----------------|----------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|--------|-------|
| Sugar | | | | | | | | | | | | | | | | | |
| Exports, raw and refined | metric tons | 560,592 | 877,365 | 23,118 | 12,995 | 22,422 | 8,957 | 41,624 | 35,989 | 28,278 | 23,016 | 38,223 | 16,816 | 615,552 | \$24,230 | 36,168 | .. |
| Imports, raw and refined | thous met tons | 1,157 | 1,213 | 94 | 71 | 76 | 96 | 62 | 112 | 144 | 99 | 164 | 90 | 134 | \$104 | 112 | .. |
| Producer Price Indexes. | | | | | | | | | | | | | | | | | |
| Raw (cane) | 1982=100 | 110.3 | *111.9 | 111.4 | 111.4 | 111.9 | 111.8 | 112.7 | 118.0 | 111.8 | 111.6 | 110.7 | 110.2 | 112.0 | 111.0 | 111.9 | 112.3 |
| Refined | do | 106.4 | *108.6 | 107.0 | 106.7 | 107.2 | 106.6 | 106.9 | 108.2 | 110.0 | 109.9 | 112.3 | *112.2 | 112.8 | 113.2 | 114.4 | 116.1 |
| Tea, imports | metric tons | 77,390 | 90,143 | 7,167 | 8,060 | 9,055 | 8,435 | 8,793 | 7,987 | 7,873 | 5,860 | 5,642 | 6,792 | 7,959 | \$6,610 | 5,966 | .. |
| TOBACCO | | | | | | | | | | | | | | | | | |
| Leaf | | | | | | | | | | | | | | | | | |
| Production (crop estimate) | mil lb. | *1,191 | *1,348 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Stocks, dealers' and manufacturers', end of period | do | 4,471 | 4,020 | .. | 4,176 | .. | .. | 3,792 | .. | .. | 3,925 | .. | .. | 4,020 | .. | .. | .. |
| Exports, incl scrap and stems | metric tons | 198,178 | 216,481 | 17,097 | *21,258 | 25,737 | 15,845 | 10,332 | 11,805 | 11,181 | 14,279 | 14,806 | 20,886 | 20,588 | \$25,916 | 25,393 | .. |
| Imports, incl scrap and stems | do | 222,197 | 196,429 | 13,147 | 18,321 | 19,944 | 18,199 | 18,762 | 19,665 | 19,297 | 20,404 | 16,088 | 12,218 | 5,248 | \$14,603 | 11,507 | .. |
| Manufactured products | | | | | | | | | | | | | | | | | |
| Consumption (withdrawals) | | | | | | | | | | | | | | | | | |
| Cigarettes (small) | millions | 111,199 | 132,953 | 10,311 | 10,195 | 9,286 | 10,316 | 12,526 | 9,164 | 11,664 | 11,682 | 11,338 | 15,535 | 12,158 | 10,947 | .. | .. |
| Taxable | do | *577,008 | 543,378 | 46,100 | 55,291 | 44,825 | 51,609 | 52,699 | 31,416 | 34,373 | 51,941 | 46,871 | 56,264 | 39,548 | 46,915 | .. | .. |
| Cigars (large), taxable | do | *2,676 | 2,430 | 185 | 214 | 188 | 216 | 251 | 173 | 224 | 237 | 208 | 200 | 189 | 164 | .. | .. |
| Exports, cigarettes | do | 100,246 | 118,499 | 9,500 | 9,478 | 9,058 | 10,110 | 10,271 | 10,167 | 9,914 | 10,557 | 10,501 | 10,214 | 11,146 | \$8,661 | 2,187 | .. |

LEATHER AND PRODUCTS

| LEATHER | | | | | | | | | | | | | | | | | |
|---|-------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|-------|-------|
| Exports | | | | | | | | | | | | | | | | | |
| Upper and lining leather | thous sq ft | 194,152 | 215,358 | 18,431 | 18,430 | 14,647 | 19,273 | 17,623 | 15,023 | 13,967 | 21,022 | 22,556 | 15,835 | 22,519 | .. | .. | .. |
| Producer Price Index, leather | 1982=100 | 140.9 | *167.8 | 160.1 | 171.1 | 175.1 | 176.4 | 165.0 | 165.7 | 168.2 | 168.8 | 170.7 | *166.0 | 166.5 | 165.5 | 170.5 | 170.2 |
| LEATHER MANUFACTURES | | | | | | | | | | | | | | | | | |
| Footwear | | | | | | | | | | | | | | | | | |
| Production, total | thous pairs | 225,888 | 217,616 | 19,398 | 20,158 | 17,870 | 18,630 | 18,263 | 13,887 | 19,531 | 19,451 | 19,403 | 19,611 | *15,778 | 17,793 | .. | .. |
| Shoes, sandals, and play shoes, except athletic | thous pairs | 162,323 | .. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | *11,421 | 12,431 | .. | .. |
| Slippers | do | 55,548 | 57,774 | 4,348 | 5,477 | 4,807 | 5,283 | 5,436 | 4,055 | 5,348 | 4,909 | 5,181 | 6,156 | *3,429 | 4,479 | .. | .. |
| Athletic | do | 8,017 | .. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 928 | 883 | .. | .. |
| Other footwear | do | 2,360 | 2,464 | 189 | 190 | 194 | 208 | 189 | 117 | 313 | 306 | 204 | 210 | 165 | 263 | .. | .. |
| Exports | do | 14,713 | 18,394 | 1,603 | 1,903 | 1,495 | 1,369 | 1,443 | 1,661 | 1,432 | 1,635 | 1,483 | 1,652 | 1,438 | .. | .. | .. |
| Producer Price Indexes | | | | | | | | | | | | | | | | | |
| Men's leather upper, dress and casual | 1982=100 | 111.4 | *121.3 | 119.6 | 119.7 | 119.7 | 120.1 | 120.1 | 121.9 | 122.8 | 123.2 | 123.1 | *123.5 | 124.9 | 125.2 | 125.8 | 126.0 |
| Women's leather upper | do | 107.2 | *112.6 | 111.4 | 111.8 | 111.5 | 111.5 | 111.9 | 113.0 | 113.6 | 113.3 | 113.5 | *114.0 | 114.1 | 114.3 | 115.0 | 116.0 |
| Women's plastic upper | do | 104.9 | *107.6 | 107.4 | 107.2 | 107.2 | 107.3 | 107.2 | 107.2 | 107.3 | 107.7 | 105.9 | 108.4 | 109.4 | 109.6 | 110.0 | 110.1 |

LUMBER AND PRODUCTS

| LUMBER—ALL TYPES # | | | | | | | | | | | | | | | | | |
|--|----------------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------|
| National Forest Products Association | | | | | | | | | | | | | | | | | |
| Production, total | mil bd ft | *49,395 | *48,350 | 4,042 | 4,389 | 4,247 | 4,245 | 4,137 | 3,671 | 4,056 | 4,180 | 4,040 | 3,715 | *3,641 | 3,820 | .. | .. |
| Hardwoods | do | *11,160 | *11,446 | 951 | 1,093 | 1,013 | 1,030 | 1,099 | 958 | 1,158 | 1,003 | 778 | 747 | 690 | 768 | .. | .. |
| Softwoods | do | *38,235 | *36,904 | 3,091 | 3,296 | 3,234 | 3,215 | 3,038 | 2,713 | 2,898 | 3,177 | 3,262 | 2,968 | *2,951 | 3,052 | .. | .. |
| Shipments, total | do | *49,761 | *47,962 | 4,092 | 4,320 | 4,257 | 4,261 | 4,309 | 3,688 | 3,929 | 4,038 | 3,871 | 3,656 | *3,649 | 3,885 | .. | .. |
| Hardwoods | do | *11,460 | *11,163 | 1,084 | 1,068 | 967 | 1,001 | 1,037 | 898 | 1,117 | 921 | 737 | 716 | 665 | 781 | .. | .. |
| Softwoods | do | *38,301 | *36,799 | 3,008 | 3,252 | 3,290 | 3,260 | 3,272 | 2,790 | 2,812 | 3,117 | 3,134 | 2,940 | *2,984 | 3,104 | .. | .. |
| Stocks (gross), mill, end of period, total | do | 6,183 | .. | 6,282 | 6,341 | 6,302 | 6,257 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Hardwoods | do | 1,412 | .. | 1,332 | 1,347 | 1,363 | 1,363 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Softwoods | do | 4,771 | .. | 4,950 | 4,994 | 4,939 | 4,894 | 4,685 | 4,677 | 4,765 | 4,823 | 4,951 | 4,979 | 4,945 | 4,896 | .. | .. |
| Exports, total sawmill products | do | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Imports, total sawmill products | thous m ³ | 35,912 | 33,547 | 2,676 | 3,158 | 2,799 | 2,971 | 3,318 | 2,884 | 2,799 | 2,846 | 2,872 | 2,695 | 2,190 | \$6,026 | 5,036 | .. |
| SOFTWOODS | | | | | | | | | | | | | | | | | |
| Douglas fir | | | | | | | | | | | | | | | | | |
| Orders, new | mil bd ft | 10,325 | 9,412 | 741 | 898 | 786 | 817 | 844 | 599 | 721 | 896 | 795 | 651 | 897 | 869 | 569 | .. |
| Orders, unfilled, end of period | do | 548 | 636 | 573 | 683 | 620 | 619 | 626 | 541 | 553 | 622 | 611 | 553 | 636 | 691 | 619 | .. |
| Production | do | 10,354 | 9,390 | 822 | 839 | 818 | 834 | 734 | 668 | 751 | 840 | 840 | 732 | 783 | 781 | 581 | .. |
| Shipments | do | 10,445 | 9,324 | 787 | 788 | 849 | 818 | 837 | 684 | 709 | 827 | 806 | 709 | 814 | 814 | 641 | .. |
| Stocks (gross), mill, end of period | do | 790 | 856 | 868 | 909 | 878 | 894 | 791 | 775 | 817 | 830 | 864 | 887 | 856 | 823 | 763 | .. |
| Exports, total sawmill products | thous m ³ | 1,614 | .. | 144 | 153 | 215 | 182 | 179 | 215 | 205 | 198 | 196 | .. | .. | *206 | 196 | .. |
| Sawed timber | do | 326 | .. | 24 | 19 | 59 | 28 | 26 | 33 | 31 | 24 | 26 | .. | .. | *50 | 23 | .. |
| Boards, planks, scantlings, etc | do | 1,289 | .. | 120 | 135 | 156 | 153 | 153 | 179 | 177 | 175 | 170 | .. | .. | *156 | 173 | .. |
| Producer Price Index, Douglas fir, dressed | 1982=100 | 125.1 | 135.7 | 130.9 | 131.6 | 134.2 | 132.0 | 135.7 | 140.6 | 138.6 | 142.7 | 140.5 | 138.7 | 133.0 | 135.9 | 140.9 | 142.6 |

See footnotes at end of tables

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

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|-----------|---------|-----------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|----------|---------|-------|
| | 1987 | 1988 | 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 | '12,614 | '12,552 | 985 | 1,090 | 1,063 | 1,155 | 1,116 | 867 | 1,042 | 1,109 | 1,133 | 1,151 | '913 | 1,040 | | |
| Orders, unfilled, end of period | do | 837 | 836 | 933 | 789 | 576 | 832 | 799 | 658 | 694 | 717 | 772 | 852 | 836 | 803 | | |
| Production | do | '12,473 | '12,622 | 966 | 1,124 | 1,085 | 1,081 | 1,127 | 1,033 | 1,042 | 1,056 | 1,089 | 1,028 | '971 | 1,040 | | |
| Shipments | do | '12,487 | '12,553 | 946 | 1,113 | 1,073 | 1,701 | 1,149 | 1,012 | 999 | 1,087 | 1,078 | 1,069 | '933 | 1,071 | | |
| Stocks (gross), mill and concentration yards, end of period | mil bd ft | 1,996 | 2,065 | 2,046 | 2,056 | 2,068 | 2,049 | 2,024 | 2,045 | 2,086 | 2,057 | 2,068 | 2,028 | 2,065 | 2,036 | | |
| Exports, total sawmill products | cu meters | 621,072 | 1,237,638 | 65,407 | 79,067 | 79,697 | 88,380 | 90,858 | 75,716 | 105,112 | 123,175 | 124,101 | 161,903 | 171,664 | *108,674 | 109,939 | |
| Producer Price Index, southern pine, dressed | 1982=100 | 114.1 | 112.4 | 119.6 | 118.4 | 118.6 | 115.7 | 115.2 | 114.9 | 106.3 | 101.6 | 102.9 | '108.5 | 109.4 | 110.1 | 109.7 | 107.9 |
| Western pine | | | | | | | | | | | | | | | | | |
| Orders, new | mil bd ft | 11,427 | 10,976 | 961 | 1,026 | 987 | 1,032 | 901 | 705 | 790 | 897 | 925 | 819 | 955 | 987 | 724 | ..... |
| Orders, unfilled, end of period | do | 524 | 537 | 607 | 621 | 577 | 598 | 564 | 500 | 504 | 507 | 521 | 487 | 537 | 624 | 533 | |
| Production | do | 11,407 | 10,898 | 997 | 1,011 | 999 | 968 | 839 | 714 | 787 | 940 | 982 | 887 | 885 | 885 | 779 | |
| Shipments | do | 11,354 | 10,963 | 974 | 1,012 | 1,031 | 1,011 | 935 | 769 | 786 | 894 | 911 | 853 | 905 | 900 | 815 | |
| Stocks (gross), mill, end of period | do | 1,365 | 1,300 | 1,394 | 1,393 | 1,361 | 1,318 | 1,222 | 1,167 | 1,168 | 1,214 | 1,285 | 1,319 | 1,900 | 1,285 | 1,249 | ... |
| Producer Price Index, other softwood, dressed | 1982=100 | 119.0 | 120.0 | 116.9 | 120.0 | 120.9 | 121.3 | 124.2 | 126.4 | 123.1 | 119.9 | 118.0 | '117.3 | 115.8 | 117.8 | 121.7 | 124.1 |
| HARDWOOD FLOORING | | | | | | | | | | | | | | | | | |
| Oak | | | | | | | | | | | | | | | | | |
| Orders, unfilled, end of period | mil bd ft | 11.0 | 8.9 | 10.9 | 12.3 | 13.4 | 11.8 | 10.2 | 10.1 | 8.6 | 8.6 | 10.3 | 10.2 | 8.9 | 9.6 | 12.2 | |
| Shipments | do | 173.8 | 193.0 | 15.2 | 13.1 | 15.9 | 16.9 | 19.2 | 13.0 | 16.8 | 16.4 | 16.3 | 14.9 | 15.3 | 16.1 | 14.5 | |
| Stocks (gross), mill, end of period | do | 8.7 | 10.9 | 9.6 | 8.9 | 9.6 | 10.0 | 10.1 | 10.4 | 10.5 | 10.5 | 10.9 | 11.3 | 10.9 | 10.6 | 12.0 | |

| | | | | | | | | | | | | | | | | | |
|--|-----------------|---------|---------|------------------|--------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|------------------|------------------|-------|
| METALS AND MANUFACTURES | | | | | | | | | | | | | | | | | |
| IRON AND STEEL | | | | | | | | | | | | | | | | | |
| Exports | | | | | | | | | | | | | | | | | |
| Steel mill products | thous sh tons | 1,129 | 2,069 | 100 | 114 | 116 | 124 | 126 | 128 | 139 | 207 | 244 | 243 | 437 | 257 | 237 | |
| Scrap | do | 10,367 | 10,098 | 630 | 724 | 908 | 1,006 | 1,238 | 815 | 799 | 935 | 579 | 806 | 964 | 1,887 | 768 | |
| Pig iron | do | 50 | 71 | (⁹) | 3 | 18 | 10 | (⁹) | 2 | 2 | 17 | 2 | 1 | 1 | (⁹) | (⁹) | |
| Imports | | | | | | | | | | | | | | | | | |
| Steel mill products | do | 20,414 | '20,891 | 1,916 | 1,844 | 1,533 | 1,936 | 1,979 | 1,614 | 1,788 | 1,648 | 1,553 | 1,846 | 1,420 | '1,784 | 1,336 | |
| Scrap | do | 843 | 1,038 | 86 | 69 | 102 | 39 | 65 | 66 | 90 | 136 | 94 | 124 | 77 | 129 | 91 | |
| Pig iron | do | 355 | 700 | 54 | 11 | 77 | 67 | 84 | 12 | 45 | 25 | 99 | 74 | 16 | 18 | 36 | |
| Iron and Steel Scrap | | | | | | | | | | | | | | | | | |
| Production | thous sh tons | 24,730 | 27,601 | 2,331 | 2,422 | 2,247 | 2,328 | 2,219 | 2,177 | 2,252 | 2,296 | 2,353 | 2,294 | 2,184 | ..... | ..... | ..... |
| Receipts, net | do | 46,105 | 49,946 | 4,153 | 4,404 | 4,210 | 4,431 | 4,169 | 3,987 | 4,254 | 4,256 | 4,390 | 4,085 | 3,807 | ..... | ..... | ..... |
| Consumption | do | 69,615 | 76,904 | 6,331 | 6,660 | 6,407 | 6,277 | 6,277 | 6,102 | 6,379 | 6,553 | 6,606 | 6,336 | 6,055 | ..... | ..... | ..... |
| Stocks, end of period | do | 4,821 | 4,789 | 4,623 | 4,731 | 4,653 | 4,708 | 4,691 | 4,549 | 4,657 | 4,640 | 4,779 | 4,828 | 4,789 | ..... | ..... | ..... |
| Composite price, No 1 heavy melting scrap | \$ per long ton | 85.76 | 108.98 | 114.55 | 113.93 | 109.60 | 104.63 | 102.52 | 111.67 | 113.26 | 110.67 | 110.81 | 109.17 | 107.28 | ..... | ..... | ..... |
| Ore | | | | | | | | | | | | | | | | | |
| Iron ore (operations in all US districts) | | | | | | | | | | | | | | | | | |
| Mine production | thous lg tons | 46,894 | '56,444 | 4,278 | 4,243 | 4,718 | 4,941 | 4,273 | 5,015 | 5,071 | 4,745 | 4,833 | 4,631 | 4,718 | 4,890 | ..... | ..... |
| Shipments from mines | do | 47,257 | '55,801 | 1,327 | 1,153 | 5,282 | 5,826 | 5,723 | 6,329 | 5,704 | 5,440 | 5,463 | 4,813 | 5,569 | 2,155 | ..... | ..... |
| Imports | do | 16,601 | 19,809 | 986 | 900 | 1,646 | 1,588 | 1,974 | 2,305 | 1,837 | 2,497 | 1,409 | 1,419 | 1,782 | ..... | ..... | ..... |
| US and foreign ores and ore agglomerates | | | | | | | | | | | | | | | | | |
| Receipts at iron and steel plants | do | 58,596 | '72,063 | 2,714 | 2,952 | 6,053 | 6,673 | 6,678 | 7,115 | 7,129 | 6,798 | 6,568 | 6,248 | 7,053 | 4,096 | 3,243 | ..... |
| Consumption at iron and steel plants | do | 60,087 | '70,731 | 5,504 | 5,903 | 5,707 | 6,118 | 5,641 | 5,998 | 5,549 | 5,729 | 5,915 | 5,606 | 5,871 | 6,582 | 5,887 | ..... |
| Exports (domestic) | do | 6,121 | 5,649 | 27 | 84 | 548 | 363 | 677 | 674 | 423 | 358 | 564 | 476 | 785 | ..... | ..... | ..... |
| Stocks, total, end of period | do | 20,944 | 23,120 | 21,261 | 20,363 | 20,442 | 20,107 | 19,652 | 20,153 | 21,135 | 22,567 | 22,495 | 22,846 | 23,120 | 22,919 | ..... | ..... |
| At mines | do | 2,616 | 3,244 | 7,351 | 10,398 | 9,834 | 8,949 | 7,496 | 6,226 | 5,593 | 5,288 | 4,287 | 4,105 | 3,244 | 6,029 | ..... | ..... |
| At furnace yards | do | 16,304 | 17,720 | 12,190 | 9,239 | 9,585 | 10,136 | 11,119 | 12,265 | 13,843 | 15,211 | 15,920 | 16,620 | 17,720 | 15,192 | 12,548 | ..... |
| At US docks | do | 2,024 | 2,156 | 1,720 | 726 | 1,023 | 1,022 | 1,037 | 1,662 | 1,699 | 2,068 | 2,288 | 2,121 | 2,156 | 1,698 | 1,382 | ..... |
| Manganese (manganese content), general imports | do | 801 | 1,110 | 64 | 96 | 128 | 63 | 118 | 95 | 74 | 82 | 77 | 110 | 117 | ..... | ..... | ..... |
| Pig Iron and Iron Products | | | | | | | | | | | | | | | | | |
| Pig iron | | | | | | | | | | | | | | | | | |
| Production (including production of ferroalloys) | thous sh tons | '48,410 | '55,745 | 4,443 | 4,842 | 4,699 | 4,932 | 4,497 | 4,762 | 4,584 | 4,612 | 4,646 | 4,455 | 4,712 | 4,964 | 4,654 | 5,112 |
| Consumption | do | '49,875 | '57,353 | 4,647 | 4,939 | 4,706 | 4,996 | 4,712 | 4,884 | 4,687 | 4,759 | 4,766 | 4,611 | 4,819 | ..... | ..... | ..... |
| Stocks, end of period | do | 281 | 240 | 225 | 228 | 250 | 222 | 236 | 229 | 247 | 241 | 242 | 236 | 240 | ..... | ..... | ..... |
| Castings, gray and ductile iron | | | | | | | | | | | | | | | | | |
| Shipments, total | thous sh tons | 8,606 | 8,514 | 650 | 771 | 731 | 788 | 765 | 605 | 748 | 744 | 805 | 701 | 605 | 672 | ..... | ..... |
| For sale | do | 6,002 | '5,717 | 435 | 497 | 493 | 543 | 516 | 443 | 533 | 504 | 516 | 500 | '412 | 445 | ..... | ..... |
| Castings, malleable iron | | | | | | | | | | | | | | | | | |
| Shipments, total | do | 318 | '364 | 30 | 42 | 34 | 32 | 34 | 21 | 27 | 31 | 31 | 23 | '28 | 27 | ..... | ..... |
| For sale | do | 168 | '192 | 17 | 23 | 19 | 17 | 18 | 10 | 15 | 16 | 15 | 10 | '14 | 13 | ..... | ..... |

See footnotes at end of tables

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS 1988

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|-----------------|---------|----------|--------|-------|--------|-------|-------|-------|--------|-------|-------|--------|--------|--------|-------|-------|
| | 1987 | 1988 | Feb | Mar | Apr. | May | June | July | Aug | Sept | Oct. | Nov. | Dec | Jan | Feb | Mar | |
| METALS AND MANUFACTURES—Continued | | | | | | | | | | | | | | | | | |
| Steel, Raw and Semifinished | | | | | | | | | | | | | | | | | |
| Steel (raw): | | | | | | | | | | | | | | | | | |
| Production | thous sh. tons | '89,151 | '99,924 | 7,984 | 8,763 | 8,398 | 8,832 | 8,081 | 8,313 | 8,181 | 8,237 | 8,332 | 7,883 | 7,954 | 8,729 | 8,022 | 8,997 |
| Rate of capability utilization | percent | 79.5 | '89.2 | 89.7 | 92.2 | 91.4 | 93.1 | 87.4 | 88.0 | 86.6 | 90.1 | 87.7 | 85.8 | 83.8 | 88.2 | 89.8 | 90.9 |
| Steel castings | | | | | | | | | | | | | | | | | |
| Shipments, total | thous sh. tons | 830 | '1,013 | 72 | 86 | 77 | 85 | 82 | 77 | 92 | 99 | 94 | 92 | '95 | 95 | | |
| For sale, total | do | 797 | '997 | 71 | 84 | 75 | 83 | 81 | 76 | 90 | 98 | 93 | 91 | '94 | 94 | | |
| Steel Mill Products | | | | | | | | | | | | | | | | | |
| Steel products, net shipments: | | | | | | | | | | | | | | | | | |
| Total (all grades) | thous sh. tons | 76,654 | '83,840 | 6,848 | 7,693 | 7,082 | 7,187 | 7,422 | 6,325 | 7,035 | 6,922 | 6,912 | 6,712 | 6,738 | 7,278 | 6,832 | |
| By product: | | | | | | | | | | | | | | | | | |
| Semifinished products | do | '5,456 | '15,975 | 515 | 512 | 497 | 502 | 497 | 441 | 521 | 486 | 490 | 453 | 468 | 550 | 507 | |
| Structural shapes (heavy), steel piling | do | 5,120 | '15,209 | 470 | 486 | 443 | 475 | 433 | 381 | 432 | 453 | 422 | 411 | '508 | 504 | 451 | |
| Plates | do | 4,048 | '17,328 | 608 | 689 | 620 | 632 | 686 | 600 | 625 | 627 | 577 | 543 | 367 | 601 | 570 | |
| Rails and accessories | do | 515 | '16,615 | 42 | 43 | 45 | 45 | 43 | 41 | 47 | 45 | 39 | 42 | 36 | 44 | 49 | |
| Bars and tool steel, total | do | '13,575 | '14,489 | 1,187 | 1,246 | 1,183 | 1,235 | 1,248 | 1,143 | 1,304 | 1,167 | 1,203 | 1,185 | 1,121 | 1,326 | 1,177 | |
| Hot rolled (including light shapes) | do | 7,238 | '17,834 | 742 | 714 | 650 | 691 | 711 | 616 | 745 | 637 | 657 | 664 | 593 | 736 | 626 | |
| Reinforcing | do | '4,918 | '15,092 | 329 | 390 | 395 | 418 | 410 | 418 | 432 | 411 | 424 | 404 | 418 | 443 | 421 | |
| Cold finished | do | 1,361 | 1,499 | 111 | 136 | 133 | 120 | 121 | 104 | 122 | 113 | 116 | 111 | 105 | 142 | 125 | |
| Pipe and tubing | do | 3,570 | 4,443 | 365 | 457 | 439 | 411 | 417 | 350 | 336 | 319 | 321 | 291 | 302 | 302 | 280 | |
| Wire and wire products | do | 1,105 | 1,073 | 94 | 103 | 106 | 93 | 109 | 94 | 92 | 87 | 92 | 83 | 67 | 87 | 86 | |
| Tin mill products | do | 3,988 | 4,069 | 274 | 334 | 353 | 342 | 376 | 321 | 355 | 322 | 323 | 321 | 489 | 288 | 278 | |
| Sheets and strip (including electrical), total | do | 39,279 | 40,639 | 3,295 | 3,823 | 3,395 | 3,452 | 3,614 | 2,955 | 3,322 | 3,416 | 3,445 | 3,384 | 3,360 | 3,577 | 3,433 | |
| Hot rolled | do | 13,048 | 12,589 | 1,033 | 1,234 | 1,056 | 1,065 | 1,110 | 947 | 983 | 1,044 | 1,032 | 1,042 | 1,099 | 1,025 | 1,087 | |
| Cold rolled | do | 13,859 | 13,871 | 1,141 | 1,306 | 1,181 | 1,190 | 1,243 | 1,013 | 1,117 | 1,149 | 1,159 | 1,129 | 1,072 | 1,217 | 1,137 | |
| By market (quarterly): | | | | | | | | | | | | | | | | | |
| Service centers and distributors | do | '18,629 | 18,980 | | 5,185 | | | 5,080 | | 4,537 | | | 4,197 | '2,528 | '2,509 | | |
| Construction, incl. maintenance | do | 5,619 | 6,014 | | 1,493 | | | 1,559 | | 1,460 | | | 1,398 | '435 | '453 | | |
| Contractors' products | do | 2,701 | 2,815 | | 740 | | | 714 | | 691 | | | 681 | '232 | '207 | | |
| Automotive | do | '11,135 | 12,078 | | 2,810 | | | 3,193 | | 2,941 | | | 3,046 | '1,153 | '1,033 | | |
| Rail transportation | do | 734 | 1,116 | | 287 | | | 346 | | 176 | | | 270 | '102 | '81 | | |
| Machinery, industrial equip., tools | do | 2,096 | 2,537 | | 656 | | | 648 | | 598 | | | 601 | '218 | '201 | | |
| Containers, packaging, ship. materials | do | 4,371 | 4,423 | | 990 | | | 1,146 | | 1,121 | | | 1,163 | '320 | '311 | | |
| Other | do | '31,337 | '36,011 | | 8,745 | | | 9,003 | | 8,790 | | | 8,944 | '3,242 | '3,036 | | |
| Producing steel mills, inventory, end of period: | | | | | | | | | | | | | | | | | |
| Total | mil. sh. tons | 11.3 | 12.6 | 12.1 | 11.8 | 12.0 | 12.5 | 11.9 | 12.9 | 12.6 | 12.7 | 12.9 | 13.0 | 12.6 | | | |
| Steel in process | do | 6.7 | 7.6 | 7.1 | 6.9 | 7.0 | 7.4 | 7.1 | 7.7 | 7.5 | 7.6 | 7.7 | 7.8 | 7.6 | | | |
| Finished steel | do | 4.6 | 5.0 | 5.0 | 4.9 | 5.0 | 5.1 | 4.8 | 5.2 | 5.1 | 5.1 | 5.2 | 5.2 | 5.0 | | | |
| Service centers (warehouses), inventory, end of period | mil. sh. tons | 6.4 | 6.5 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.1 | 7.2 | 6.9 | 6.7 | 6.6 | 6.5 | | | |
| NONFERROUS METALS AND PRODUCTS | | | | | | | | | | | | | | | | | |
| Aluminum | | | | | | | | | | | | | | | | | |
| Production, primary (dom and foreign ores) | thous met. tons | 3,343 | 3,946 | 304 | 330 | 324 | 336 | 323 | 334 | 333 | 327 | 339 | 332 | 344 | 346 | | |
| Recovery from scrap † | do | '1,986 | 1,953 | 155 | 175 | 166 | 157 | 158 | 160 | 170 | 167 | 177 | 163 | 156 | 166 | | |
| Imports (general): | | | | | | | | | | | | | | | | | |
| Metal and alloys, crude | do | 1,378.0 | 1,136.0 | 101.4 | 115.6 | 98.1 | 101.5 | 88.8 | 87.7 | 88.2 | 101.8 | 90.3 | 90.4 | 60.6 | | | |
| Plates, sheets, bars, etc. | do | 452.3 | 428.2 | 36.4 | 49.7 | 34.4 | 32.9 | 35.9 | 44.8 | 31.4 | 32.9 | 32.7 | 31.4 | 29.6 | | | |
| Exports: | | | | | | | | | | | | | | | | | |
| Metal and alloys, crude | do | 309.9 | 441.0 | 15.1 | 21.8 | 23.0 | 38.0 | 47.8 | 45.9 | 48.8 | 43.0 | 28.3 | 52.4 | 56.6 | | | |
| Plates, sheets, bars, etc. | do | 284.5 | 377.5 | 25.5 | 35.1 | 28.9 | 36.7 | 32.0 | 27.2 | 35.6 | 35.3 | 34.2 | 26.5 | 34.7 | | | |
| Price, U.S. market, 99.7% purity, monthly average | \$ per lb. | .7230 | 1.1009 | 9628 | 10709 | 10712 | 11448 | 12627 | 12225 | 12439 | 11138 | 10472 | 10735 | 11000 | 10772 | | |
| Aluminum products | | | | | | | | | | | | | | | | | |
| Shipments: | | | | | | | | | | | | | | | | | |
| Ingot and mill prod (net ship) | mil. lb. | 15,584 | '15,484 | 1,163 | 1,398 | 1,246 | 1,313 | 1,425 | 1,271 | 1,354 | 1,365 | 1,311 | 1,316 | '1,157 | 1,053 | | |
| Mill products, total | do | 12,234 | '12,303 | 964 | 1,138 | 1,033 | 1,056 | 1,123 | 1,003 | 1,095 | 1,070 | 1,006 | 976 | '917 | 919 | | |
| Sheet and plate | do | 7,379 | '7,408 | 564 | 685 | 608 | 637 | 679 | 633 | 673 | 647 | 591 | 580 | '575 | 522 | | |
| Castings | do | 2,232 | 2,429 | 195 | 229 | 206 | 221 | 225 | 146 | 193 | 209 | 221 | 220 | 186 | 231 | | |
| Inventories, total (ingot, mill products, and scrap), end of period | mil. lb. | 4,175 | '4,199 | 4,401 | 4,388 | 4,423 | 4,388 | 4,258 | 4,272 | 4,213 | 4,221 | 4,175 | 4,160 | '4,199 | 4,073 | | |
| Copper | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Mine, recoverable copper | thous met. tons | 1,255.9 | '1,437.1 | 103.6 | 122.0 | 112.9 | 121.2 | 116.5 | 116.5 | '129.1 | 121.6 | 125.5 | '123.8 | '130.2 | 128.5 | | |
| Refined from primary materials | do | 1,146.1 | '1,448.2 | '111.5 | 124.0 | '122.2 | 120.6 | 120.1 | 121.3 | 123.9 | 113.8 | 120.9 | 128.4 | '128.6 | 131.3 | | |
| Electrolytically refined: | | | | | | | | | | | | | | | | | |
| From domestic ores @ | do | 988.1 | '1,220.2 | 96.1 | 105.7 | 104.7 | 102.0 | 101.8 | 102.9 | 103.8 | 98.5 | 99.5 | 107.4 | '106.8 | 108.8 | | |
| From foreign ores | do | | | | | | | | | | | | | | | | |
| Electrowon | do | 158.0 | '228.0 | 15.3 | 18.3 | 17.5 | 18.6 | 18.3 | 18.4 | 20.1 | 20.3 | 21.4 | '21.0 | '21.7 | 22.4 | | |
| Refined from scrap ◊ | do | 414.7 | '442.3 | 35.6 | 43.2 | 36.9 | 37.2 | 36.9 | 29.7 | 37.1 | 39.3 | 36.0 | 36.8 | '40.0 | 36.5 | | |
| Imports, unmanufactured (general): | | | | | | | | | | | | | | | | | |
| Refined, unrefined, scrap (copper cont.) | do | 657.3 | 626.1 | 64.1 | 63.6 | 51.0 | 48.0 | 43.4 | 33.4 | 46.4 | 42.4 | 62.1 | 59.4 | 44.0 | | | |
| Refined | do | 515.6 | 390.4 | 38.0 | 39.0 | 33.7 | 25.9 | 25.1 | 22.3 | 27.7 | 25.7 | 44.2 | 39.2 | 20.2 | | | |
| Exports: | | | | | | | | | | | | | | | | | |
| Refined and scrap | do | 454.8 | '707.7 | 50.2 | 56.6 | 51.4 | 67.1 | 77.6 | 44.7 | 54.1 | 111.3 | 48.6 | 56.1 | 54.5 | | | |
| Refined | do | 17.9 | 66.5 | 2.0 | 3.8 | 5.7 | 7.7 | 9.5 | 3.5 | 4.4 | 14.3 | 2.3 | 4.0 | 4.5 | | | |
| Consumption, refined (reported by mills, etc.) ◊ | do | 2,152 | '2,263 | 182 | 210 | 183 | 195 | 194 | 153 | 199 | 192 | 201 | 196 | '183 | 194 | | |
| Stocks, refined, end of period ◊ | do | '113 | '98 | 135 | 137 | 135 | 115 | 92 | 105 | 102 | 91 | 83 | 84 | '98 | 98 | | |
| Price, avg. U.S. producer cathode, delivered \$ per lb. | | 8249 | 12051 | 10752 | 10972 | 10364 | 10437 | 11428 | 11485 | 10145 | 11612 | 13805 | 15232 | 16127 | 15777 | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | 1989 | | | | |
|--|---|----------|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug | Sept | Oct. | Nov | Dec. | Jan | Feb | Mar | |
| | Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS 1986 | | | | | | | | | | | | | | | | |
| METALS AND MANUFACTURES—Continued | | | | | | | | | | | | | | | | | |
| NONFERROUS METALS AND PRODUCTS—Continued | | | | | | | | | | | | | | | | | |
| Copper-base mill and foundry products, shipments (quarterly total). | | | | | | | | | | | | | | | | | |
| Brass mill products | mil lb. | 2,624 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Copper wire mill products (copper content) | do | 1,922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Brass and bronze foundry products | do | 528 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Lead | | | | | | | | | | | | | | | | | |
| Production | | | | | | | | | | | | | | | | | |
| Mine, recoverable lead | thous met tons | 311.3 | 384.6 | 28.2 | 36.0 | 32.7 | 30.3 | 32.5 | 30.4 | 36.3 | 33.1 | 34.4 | 31.1 | 31.8 | 33.3 | ... | |
| Recovered from scrap (lead cont.) | do | 710.2 | 697.9 | 57.5 | 60.1 | 55.9 | 52.2 | 59.4 | 55.3 | 56.3 | 60.7 | 61.8 | 61.6 | 59.7 | 62.1 | ... | |
| Imports (general), ore (lead content), metal | do | 240.3 | 256.6 | 21.9 | 26.4 | 22.2 | 20.8 | 8.7 | 25.3 | 21.7 | 23.3 | 21.3 | 23.5 | 19.1 | ... | ... | |
| Consumption, total | do | 1,230.4 | 1,223.0 | 96.4 | 115.4 | 98.8 | 104.3 | 103.1 | 91.6 | 100.9 | 101.7 | 109.3 | 103.0 | 94.6 | 104.9 | ... | |
| Stocks, end of period | | | | | | | | | | | | | | | | | |
| Producers', ore, base bullion, and in process (lead content), ABMS | thous met tons | 59.2 | 66.9 | 59.9 | 53.9 | 59.0 | 57.8 | 60.8 | 58.9 | 73.0 | 79.9 | 70.8 | 68.7 | 66.9 | 60.1 | 55.2 | 57.8 |
| Refiners' (primary), refined and antimonial (lead content) | thous met tons | 21.6 | 15.4 | 26.6 | 25.8 | 26.7 | 24.1 | 15.0 | 14.7 | 6.0 | 4.6 | 10.6 | 11.9 | 15.4 | ... | ... | |
| Consumers' (lead content) | do | 88.6 | 65.2 | 60.7 | 58.9 | 59.3 | 55.6 | 59.4 | 63.3 | 58.6 | 62.2 | 59.4 | 60.7 | 65.2 | ... | ... | |
| Scrap (lead-base, purchased), all smelters (gross weight) | thous met tons | 24.0 | 21.4 | 17.0 | 17.7 | 17.3 | 16.2 | 16.3 | 16.4 | 19.9 | 23.7 | 21.8 | 19.6 | 21.4 | ... | ... | |
| Price, common grade, delivered @ @... \$ per lb | | 3594 | 3714 | 3485 | 3400 | 3400 | 3457 | 3630 | 3650 | 3652 | 3841 | 3915 | 4138 | 4202 | 4017 | ... | ... |
| Tin | | | | | | | | | | | | | | | | | |
| Imports (for consumption) | | | | | | | | | | | | | | | | | |
| Ore (tin content) | metric tons | 2,967 | 2,837 | 128 | 121 | 335 | ... | ... | ... | ... | 1,105 | 443 | ... | 130 | ... | ... | |
| Metal, unwrought, unalloyed | do | 41,151 | 43,493 | 2,582 | 3,153 | 3,011 | 3,419 | 4,042 | 4,379 | 4,602 | 3,249 | 4,372 | 4,328 | 3,695 | ... | ... | |
| Recovery from scrap, total (tin cont.) | do | 15,793 | 17,053 | 932 | 941 | 793 | 919 | 984 | 771 | 693 | 712 | 821 | 703 | 561 | 602 | ... | |
| As metal | do | 1,151 | 1,174 | 119 | 92 | 88 | 96 | 98 | 113 | 96 | 96 | 96 | 96 | 96 | 11 | ... | |
| Consumption, total | do | 53,100 | 61,100 | 4,700 | 4,800 | 4,700 | 5,300 | 5,600 | 5,300 | 5,300 | 5,500 | 5,600 | 4,900 | 4,900 | 4,800 | ... | |
| Primary | do | 39,800 | 4,840 | 3,700 | 3,800 | 3,700 | 4,200 | 4,500 | 4,200 | 4,400 | 4,400 | 4,500 | 3,800 | 3,800 | 3,700 | ... | |
| Exports, incl reexports (metal) | do | 1,701 | 1,573 | 185 | 171 | 96 | 108 | 126 | 89 | 204 | 171 | 197 | 94 | 45 | ... | ... | |
| Stocks, pig (industrial), end of period | do | 4,423 | 5,480 | 5,989 | 5,631 | 5,868 | 6,128 | 6,456 | 5,665 | 4,350 | 4,171 | 4,371 | 4,731 | 4,943 | 4,347 | ... | |
| Price, Straits quality (delivered) \$ per lb | | 4 1878 | 4 4142 | 4 1950 | 4 2407 | 4 2295 | 4 2500 | 4 3984 | 4 4611 | 4 5770 | 4 6305 | 4 5462 | 4 5787 | 4 6029 | 4 6435 | ... | |
| Zinc | | | | | | | | | | | | | | | | | |
| Mine prod., recoverable zinc | | | | | | | | | | | | | | | | | |
| Mine prod., recoverable zinc | thous met tons | 217.0 | 242.1 | 18.2 | 22.3 | 21.9 | 22.0 | 22.4 | 18.8 | 21.5 | 19.9 | 19.9 | 19.9 | 19.3 | 22.2 | ... | |
| Imports (general) | do | 425.5 | 405.7 | 27.2 | 32.6 | 38.9 | 37.9 | 24.6 | 48.9 | 35.2 | 35.1 | 30.8 | 32.3 | 27.9 | ... | ... | |
| Ores (zinc content) | do | 705.9 | 740.8 | 48.6 | 71.7 | 66.4 | 84.5 | 57.3 | 55.8 | 4.6 | 61.2 | 63.9 | 64.2 | 47.4 | ... | ... | |
| Metal (slab, blocks) | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Consumption (recoverable zinc content) | do | 2.5 | 2.4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | ... | |
| Ores | do | 303.5 | 270.6 | 23.1 | 22.5 | 22.8 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | ... | |
| Scrap, all types | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Slab zinc @ | | | | | | | | | | | | | | | | | |
| Production, total | thous met tons | 220.5 | 194.4 | 16.4 | 17.5 | 16.4 | 16.3 | 16.3 | 16.8 | 16.6 | 15.1 | 15.9 | 17.6 | 14.7 | 17.8 | 16.3 | 17.6 |
| Consumption, fabricators | do | 1,052.0 | 1,104.0 | 76.4 | 110.3 | 97.9 | 110.7 | 84.6 | 73.9 | 111.8 | 86.9 | 97.5 | 87.2 | 88.1 | 90.0 | ... | |
| Exports | do | 1.1 | 5 | 1 | ... | ... | (?) | (?) | (?) | 1 | 2 | 1 | (?) | (?) | ... | ... | |
| Stocks, end of period | do | 7.0 | 5.6 | 4.4 | 4.5 | 3.4 | 4.3 | 4.5 | 6.0 | 7.5 | 9.4 | 6.3 | 5.4 | 5.6 | 5.0 | 4.0 | 3.3 |
| Producers', at smelter (ABMS) | do | 57.1 | 49.0 | 46.0 | 45.0 | 41.5 | 41.8 | 46.3 | 53.2 | 48.4 | 49.4 | 47.0 | 48.8 | 49.0 | 50.2 | ... | |
| Consumers' | do | 4192 | 6020 | 4544 | 4790 | 5150 | 5604 | 6255 | 6564 | 6646 | 6826 | 6945 | 7125 | 7344 | 7927 | 8770 | ... |
| Price, high grade \$ per lb | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| MACHINERY AND EQUIPMENT | | | | | | | | | | | | | | | | | |
| Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly # mil \$ | | | | | | | | | | | | | | | | | |
| Heating, combustion, atmosphere equipment | do | 226.0 | ... | ... | 43.8 | ... | ... | 50.5 | ... | ... | ... | ... | ... | ... | ... | ... | |
| Electric processing heating equipment | do | 54.9 | ... | ... | 18.2 | ... | ... | 15.7 | ... | ... | ... | ... | ... | ... | ... | ... | |
| Fuel-fired processing heating equip | do | 171.1 | ... | ... | 25.7 | ... | ... | 34.8 | ... | ... | ... | ... | ... | ... | ... | ... | |
| Materials handling equipment, dollar value bookings index 1982=100 | | | | | | | | | | | | | | | | | |
| Materials handling equipment | do | 207.1 | ... | 213.1 | 172.0 | 204.9 | 203.1 | 243.7 | 210.6 | 188.2 | 211.3 | ... | ... | ... | ... | ... | |
| Industrial supplies, machinery and equipment: New orders index, seas adjusted 1977=100 | | | | | | | | | | | | | | | | | |
| Industrial supplies, machinery and equipment | do | 128.7 | 138.2 | 140.4 | 135.5 | 134.5 | 138.2 | 133.4 | 133.5 | 135.4 | 134.9 | 141.0 | 142.7 | 146.5 | ... | ... | |
| Industrial suppliers distribution: Sales index, seas adjusted 1977=100 | | | | | | | | | | | | | | | | | |
| Industrial suppliers distribution | do | 149.1 | 164.0 | 155.0 | 162.0 | 161.3 | 155.5 | 159.1 | 162.4 | 176.2 | 179.7 | 170.1 | 166.7 | 167.6 | 177.2 | 176.2 | 160.0 |
| Inflation index, not seas adj (tools, material handling equip, valves, fittings, abrasives, fasteners, metal products, etc) 1977=100 | | | | | | | | | | | | | | | | | |
| Inflation index, not seas adj | do | 166.6 | 172.2 | 168.0 | 170.2 | 171.3 | 171.9 | 172.1 | 172.3 | 173.4 | 173.9 | 174.2 | 174.8 | 176.0 | 177.6 | 178.3 | 179.5 |
| Fluid power products shipments indexes 1985=100 | | | | | | | | | | | | | | | | | |
| Hydraulic products | do | 107 | 129 | 126 | 136 | 134 | 127 | 137 | 116 | 134 | 132 | 134 | 125 | 132 | 140 | 142 | |
| Pneumatic products | do | 105 | 120 | 120 | 136 | 118 | 117 | 122 | 112 | 125 | 124 | 125 | 118 | 114 | 130 | 128 | |
| Machine tools | | | | | | | | | | | | | | | | | |
| Metal cutting type tools | | | | | | | | | | | | | | | | | |
| Orders, new (net), total | mil \$ | 1,451.45 | 2,707.90 | 250.40 | 191.90 | 195.30 | 242.85 | 238.35 | 187.00 | 261.50 | 266.50 | 215.40 | 188.35 | 246.40 | 167.00 | 214.95 | 220.10 |
| Domestic | do | 1,294.45 | 2,315.75 | 217.95 | 174.15 | 146.45 | 205.65 | 210.65 | 167.55 | 179.30 | 252.95 | 199.25 | 164.60 | 191.50 | 145.40 | 191.30 | 199.70 |
| Shipments, total | do | 1,676.50 | 1,574.55 | 108.90 | 137.75 | 95.30 | 111.25 | 132.80 | 137.70 | 105.40 | 151.20 | 145.90 | 170.80 | 209.35 | 102.85 | 151.25 | 226.90 |
| Domestic | do | 1,498.85 | 1,400.10 | 97.00 | 123.95 | 82.20 | 100.25 | 116.00 | 126.15 | 93.00 | 133.50 | 123.35 | 156.70 | 186.40 | 89.50 | 133.90 | 206.40 |
| Order backlog, end of period | do | 672.2 | 1,805.5 | 966.4 | 1,020.6 | 1,120.6 | 1,252.2 | 1,357.8 | 1,410.0 | 1,566.2 | 1,681.4 | 1,751.0 | 1,768.5 | 1,805.5 | 1,869.7 | 1,933.4 | 1,926.6 |
| Metal forming type tools | | | | | | | | | | | | | | | | | |
| Orders, new (net), total | do | 667.35 | 882.95 | 47.65 | 62.55 | 57.70 | 81.85 | 144.45 | 67.95 | 78.00 | 61.70 | 46.85 | 90.65 | 70.05 | 63.85 | 67.00 | 69.90 |
| Domestic | do | 536.05 | 749.35 | 40.90 | 47.90 | 47.00 | 73.25 | 134.60 | 53.80 | 73.50 | 51.65 | 40.00 | 66.25 | 60.20 | 56.60 | 57.05 | 58.20 |
| Shipments, total | do | 647.15 | 824.55 | 57.55 | 68.95 | 62.10 | 68.45 | 81.25 | 53.00 | 48.55 | 76.35 | 66.25 | 86.75 | 83.20 | 49.35 | 77.55 | 79.20 |
| Domestic | do | 537.90 | 702.20 | 48.10 | 61.80 | 51.70 | 57.35 | 69.25 | 43.75 | 40.75 | 65.70 | 55.30 | 80.15 | 64.30 | 42.20 | 66.40 | 67.00 |
| Order backlog, end of period | do | 327.3 | 385.7 | 318.8 | 312.4 | 308.0 | 321.4 | 384.6 | 399.6 | 429.0 | 414.4 | 395.0 | 398.8 | 385.7 | 400.2 | 389.6 | 380.4 |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|-------|--|
| | 1987 | 1988 | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | |
| METALS AND MANUFACTURES—Continued | | | | | | | | | | | | | | | | | |
| MACHINERY AND EQUIPMENT—Continued | | | | | | | | | | | | | | | | | |
| Tractors used in construction, shipments, qtrly | | | | | | | | | | | | | | | | | |
| Tracklaying (ex. shovel loaders) .. units | 9,668 | 12,240 | | 2,809 | | | | 3,150 | | 2,835 | | | 3,446 | | | | |
| mil \$ | 973.8 | 1,178.9 | | 283.6 | | | | 323.1 | | 282.6 | | | 289.6 | | | | |
| Wheel (contractors' off-highway) .. units | 5,482 | 5,134 | | 1,242 | | | | 1,320 | | 1,376 | | | 1,198 | | | | |
| mil \$ | 415.5 | 418.1 | | 98.9 | | | | 106.5 | | 115.2 | | | 97.5 | | | | |
| Shovel loaders ‡ .. units | 62,825 | 63,733 | | 15,390 | | | | 17,060 | | 14,944 | | | 16,839 | | | | |
| mil \$ | 1,819.5 | 2,113.4 | | 508.9 | | | | 554.3 | | 503.1 | | | 547.1 | | | | |
| ELECTRICAL EQUIPMENT | | | | | | | | | | | | | | | | | |
| Batteries (auto-type replacement), shipments..... ..thous. | 59,878 | 63,487 | 4,194 | 4,606 | 4,031 | 4,122 | 4,988 | 4,733 | 5,788 | 6,757 | 6,463 | 6,041 | 6,245 | 4,674 | 4,203 | 4,754 | |
| Radio sets, production, total market ††.....thous. | 28,110 | 28,623 | 1,529 | 1,421 | 1,551 | 1,572 | 2,124 | 2,075 | 2,120 | 2,493 | 2,670 | 2,834 | 1,940 | 1,688 | 1,518 | | |
| Television sets (incl. combination models), production, total market ††.....thous. | 23,497 | 20,170 | 1,810 | 1,909 | 1,710 | 1,582 | 1,931 | 1,485 | 1,853 | 2,567 | 1,953 | 1,838 | 2,329 | | | | |
| Household major appliances (electrical), factory shipments (domestic and export) #.....thous. | 49,981 | 47,070 | 3,731 | 3,947 | 3,895 | 3,949 | 4,463 | 3,824 | 3,150 | 3,963 | 3,975 | 3,933 | 3,679 | 3,947 | 3,916 | 4,444 | |
| Air conditioners (room) ..do | 3,798 | 4,637 | 324 | 682 | 686 | 647 | 895 | 405 | 198 | 111 | 129 | 126 | 215 | 352 | 546 | 846 | |
| Dishwashers.....do | 4,032 | 3,907 | 298 | 308 | 334 | 326 | 330 | 312 | 349 | 335 | 336 | 355 | 318 | 326 | 293 | 324 | |
| Disposers (food waste) ..do | 4,438 | 4,233 | 360 | 361 | 306 | 324 | 336 | 345 | 364 | 369 | 387 | 381 | 343 | 391 | 380 | 414 | |
| Microwave ovens/ranges @ ..do | 12,610 | 10,988 | 950 | 767 | 778 | 697 | 789 | 746 | 770 | 1,031 | 1,128 | 1,224 | 1,161 | 1,054 | 963 | 906 | |
| Ranges.....do | 3,346 | 3,202 | 243 | 251 | 253 | 244 | 260 | 252 | 287 | 270 | 302 | 287 | 262 | 245 | 225 | 273 | |
| Refrigerators ..do | 6,972 | 7,227 | 477 | 512 | 533 | 616 | 753 | 778 | 781 | 686 | 625 | 537 | 467 | 466 | 460 | 564 | |
| Freezers ..do | 1,260 | 1,349 | 89 | 82 | 108 | 112 | 126 | 156 | 152 | 128 | 110 | 99 | 94 | 93 | 94 | 90 | |
| Washers ..do | 5,998 | 6,190 | 519 | 498 | 471 | 515 | 546 | 460 | 589 | 584 | 533 | 508 | 440 | 553 | 510 | 539 | |
| Dryers (incl. gas).....do | 4,637 | 4,601 | 394 | 359 | 328 | 353 | 333 | 328 | 429 | 437 | 413 | 401 | 363 | 436 | 394 | 385 | |
| Vacuum cleaners (qtrly) ..do | 10,417 | 10,652 | | 2,733 | | | | 2,487 | | 2,882 | | | 2,550 | | | | |
| GAS EQUIPMENT (RESIDENTIAL) | | | | | | | | | | | | | | | | | |
| Furnaces, warm air, shipments ..thous. | 2,073 | 2,092 | 134 | 148 | 125 | 118 | 138 | 164 | 201 | 254 | 252 | 223 | 177 | 178 | 148 | | |
| Ranges, total, shipments ..do | 2,143 | 2,167 | 169 | 171 | 163 | 168 | 176 | 162 | 193 | 182 | 203 | 203 | 191 | 158 | 156 | 194 | |
| Water heaters (storage), automatic, shipments ..do | 3,951 | 3,956 | 320 | 334 | 329 | 317 | 333 | 287 | 290 | 321 | 381 | 307 | 383 | 337 | 328 | | |
| PETROLEUM, COAL, AND PRODUCTS | | | | | | | | | | | | | | | | | |
| COAL | | | | | | | | | | | | | | | | | |
| Anthracite | | | | | | | | | | | | | | | | | |
| Production † ..thous sh tons | 3,560 | 3,475 | 263 | 279 | 265 | 296 | 282 | 246 | 360 | 315 | 384 | 307 | 258 | 233 | 234 | | |
| Exports.....thous. met. tons | 1,071 | 817 | 24 | 39 | 53 | 49 | 47 | 71 | 88 | 177 | 94 | 50 | 87 | 59 | 11 | | |
| Producer Price Index ..1982=100 | 100.1 | 101.2 | 101.9 | 101.9 | 100.2 | 100.2 | 100.1 | 100.3 | 100.3 | 100.8 | 100.9 | 102.3 | 103.3 | 103.3 | 103.3 | 103.5 | |
| Bituminous: | | | | | | | | | | | | | | | | | |
| Production † ..thous. sh tons | 915,202 | 955,438 | 76,757 | 83,943 | 75,324 | 73,981 | 76,443 | 69,176 | 88,175 | 83,196 | 83,964 | 86,054 | 83,100 | 81,717 | 74,890 | | |
| Consumption, total †.....do | 834,337 | | 71,529 | 68,994 | 63,811 | 66,131 | 74,714 | 81,301 | 84,922 | 71,196 | | | | | | | |
| Electric power utilities.....do | 716,922 | | 61,162 | 58,518 | 53,928 | 56,256 | 65,094 | 71,190 | 75,006 | 61,461 | 59,446 | 59,192 | | | | | |
| Industrial, total.....do | 111,696 | | 9,793 | 10,080 | 9,352 | 9,561 | 9,235 | 9,506 | 9,330 | 9,889 | | | | | | | |
| Coke plants (oven and beehive) ..do | 36,920 | | 3,059 | 3,336 | 3,515 | 3,692 | 3,359 | 3,601 | 3,414 | 3,457 | | | | | | | |
| Residential and commercial ..do | 5,719 | | 573 | 396 | 532 | 313 | 385 | 604 | 586 | 345 | | | | | | | |
| Stocks, end of period, total † ..do | 178,485 | 165,548 | 166,825 | 170,692 | 171,298 | 166,504 | 153,490 | 146,341 | 147,706 | | | | | | | | |
| Electric power utilities.....do | 163,857 | 152,406 | 154,428 | 158,342 | 159,114 | 154,427 | 141,613 | 134,664 | 136,229 | 140,330 | 143,151 | | | | | | |
| Industrial, total.....do | 14,628 | 13,142 | 12,397 | 12,291 | 12,184 | 12,078 | 11,877 | 11,677 | 11,478 | | | | | | | | |
| Oven-coke plants ..do | 3,879 | 3,872 | 3,868 | 3,831 | 3,794 | 3,757 | 3,460 | 3,164 | 2,868 | | | | | | | | |
| Exports.....thous met tons | 70,438 | 85,282 | 4,038 | 6,440 | 8,060 | 7,091 | 7,256 | 7,461 | 8,367 | 8,948 | 8,072 | 7,476 | 8,089 | 5,659 | 1,780 | | |
| Producer Price Index ..1982=100 | 97.1 | 95.3 | 96.2 | 95.8 | 95.4 | 95.1 | 95.1 | 95.6 | 95.0 | 95.4 | 95.5 | 94.6 | 94.6 | 94.0 | 93.7 | 93.6 | |
| COKE | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Beehive and oven (byproduct) ..thous. sh. tons | 28,037 | | | 7,347 | | | 8,311 | | 8,195 | | | | | | | | |
| Petroleum coke § ..do | 37,380 | 39,766 | 3,164 | 3,414 | 3,159 | 3,357 | 3,274 | 3,326 | 3,343 | 3,179 | 3,276 | 3,338 | 3,471 | 3,505 | | | |
| Stocks, end of period: | | | | | | | | | | | | | | | | | |
| Oven-coke plants, total ..do | 1,064 | | | 902 | | | 1,140 | | 1,271 | | | | | | | | |
| At furnace plants.....do | 846 | | | 714 | | | 942 | | 1,107 | | | | | | | | |
| At merchant plants ..do | 218 | | | 188 | | | 198 | | 164 | | | | | | | | |
| Petroleum coke ††.....do | 1,350 | 1,558 | 1,437 | 1,441 | 1,490 | 1,497 | 1,636 | 1,694 | 1,512 | 1,427 | 1,612 | 1,660 | 1,558 | 1,588 | | | |
| Exports ..thous met tons | 590 | 1,011 | 83 | 27 | 22 | 217 | 69 | 56 | 60 | 84 | 41 | 131 | 167 | 52 | 30 | | |
| PETROLEUM AND PRODUCTS | | | | | | | | | | | | | | | | | |
| Crude petroleum | | | | | | | | | | | | | | | | | |
| Producer Price Index ..1982=100 | 55.5 | 46.2 | 49.7 | 47.2 | 49.1 | 51.5 | 50.6 | 45.7 | 45.0 | 42.6 | 39.3 | 39.2 | 44.2 | 49.6 | 50.2 | 53.6 | |
| Gross input to crude oil distillation units † ..mil bbl | 4,746.1 | 4,920.6 | 374.3 | 410.5 | 399.9 | 422.5 | 411.1 | 427.9 | 432.2 | 400.7 | 412.8 | 400.2 | 420.2 | 418.8 | | | |
| Refinery operating ratio †† ..% of capacity | 83 | 84 | 81 | 84 | 84 | 86 | 86 | 86 | 87 | 84 | 84 | 84 | 85 | 86 | | | |
| All oils, supply, demand, and stocks: †† | | | | | | | | | | | | | | | | | |
| New supply, total Q.....mil. bbl | 6,089.6 | 6,214.6 | 493.3 | 519.8 | 509.5 | 530.0 | 501.0 | 518.3 | 524.8 | 504.1 | 538.4 | 517.5 | 538.1 | 547.7 | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Crude petroleum ..do | 3,047.4 | 2,975.0 | 242.9 | 258.8 | 248.0 | 254.3 | 244.7 | 249.8 | 250.0 | 237.0 | 247.3 | 239.6 | 247.2 | 245.3 | | | |
| Natural gas plant liquids ..do | 605.6 | 615.4 | 47.6 | 52.6 | 50.0 | 52.0 | 49.7 | 51.8 | 52.5 | 50.6 | 53.6 | 51.8 | 52.9 | 53.5 | | | |
| Imports: | | | | | | | | | | | | | | | | | |
| Crude and unfinished oils ..do | 1,837.3 | 1,995.9 | 146.1 | 158.8 | 167.4 | 177.2 | 165.5 | 169.9 | 168.0 | 166.6 | 183.6 | 165.0 | 171.9 | 182.8 | | | |
| Refined products.....do | 599.4 | 628.3 | 56.7 | 49.6 | 44.0 | 46.5 | 41.0 | 46.9 | 54.3 | 50.0 | 54.0 | 61.2 | 66.1 | | | | |
| Change in stocks, all oils ..do | 14.9 | -7.9 | -22.2 | -16.6 | 19.3 | 33.8 | -1.0 | 16.1 | -5.9 | 6.7 | 2.7 | 4.2 | -34.3 | 19.9 | | | |
| Product demand, total ..do | 6,360.8 | 6,583.1 | 535.0 | 569.4 | 513.5 | 524.9 | 539.8 | 538.9 | 563.9 | 524.7 | 564.7 | 544.3 | 602.6 | 556.8 | | | |
| Exports: | | | | | | | | | | | | | | | | | |
| Crude petroleum ..do | 55.0 | 58.1 | 4.3 | 6.7 | 3.5 | 4.4 | 4.2 | 5.9 | 4.8 | 3.7 | 5.3 | 4.5 | 4.1 | 4.2 | | | |
| Refined products ..do | 223.0 | 241.0 | 20.8 | 19.2 | 16.8 | 20.9 | 23.9 | 19.8 | 20.4 | 16.5 | 17.5 | 17.0 | 27.2 | 19.0 | | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|-------|--------|------|------|-----|-----|-----|------|------|-----|------|-----|-----|-----|------|------|-----|--|
| | 1987 | 1988 | 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 | 6,082.7 | 6,284.1 | 509.9 | 543.4 | 493.2 | 499.6 | 511.6 | 513.2 | 538.6 | 504.5 | 541.9 | 522.8 | 571.3 | 533.6 | | |
| Gasoline | do. | 2,639.1 | 2,686.6 | 203.8 | 226.0 | 222.2 | 226.4 | 236.1 | 232.7 | 233.7 | 221.3 | 226.7 | 221.7 | 228.3 | 209.4 | | |
| Kerosene | do. | 34.5 | 35.0 | 4.1 | 3.1 | 2.1 | 1.9 | 1.5 | 1.8 | 1.8 | 2.4 | 2.7 | 3.3 | 4.8 | 4.4 | | |
| Distillate fuel oil | do. | 1,086.4 | 1,136.0 | 101.8 | 109.9 | 86.1 | 85.5 | 84.6 | 82.1 | 88.6 | 84.2 | 99.3 | 94.6 | 110.3 | 102.2 | | |
| Residual fuel oil | do. | 461.5 | 486.4 | 46.4 | 44.4 | 38.2 | 29.3 | 33.0 | 36.5 | 39.0 | 33.4 | 39.1 | 43.6 | 54.4 | 49.5 | | |
| Jet fuel | do. | 505.5 | 523.3 | 43.7 | 43.3 | 41.6 | 42.2 | 43.0 | 43.4 | 44.6 | 42.7 | 46.0 | 43.1 | 48.2 | 46.2 | | |
| Lubricants | do. | 58.7 | 57.1 | 5.0 | 5.5 | 4.5 | 5.5 | 4.6 | 4.7 | 5.0 | 4.9 | 4.8 | 4.8 | 3.6 | 4.3 | | |
| Asphalt | do. | 170.3 | 170.8 | 5.4 | 8.6 | 10.7 | 17.0 | 21.6 | 21.0 | 25.0 | 21.1 | 17.9 | 11.7 | 7.0 | 4.3 | | |
| Liquefied petroleum gases | do. | 583.3 | 609.9 | 57.5 | 53.0 | 40.2 | 41.9 | 40.3 | 43.9 | 47.0 | 51.1 | 55.4 | 52.6 | 62.9 | 63.6 | | |
| Stocks, end of period, total | do. | 1,607.5 | 1,599.6 | 1,575.1 | 1,558.5 | 1,577.8 | 1,611.6 | 1,610.6 | 1,626.7 | 1,620.7 | 1,627.4 | 1,630.1 | 1,634.4 | 1,599.6 | 1,619.5 | | |
| Crude petroleum | do. | 889.6 | 890.8 | 892.0 | 898.6 | 904.4 | 905.7 | 909.1 | 900.7 | 885.3 | 883.1 | 895.6 | 895.7 | 890.8 | 894.8 | | |
| Strategic petroleum reserve | do. | 540.6 | 559.5 | 544.1 | 544.9 | 547.3 | 547.9 | 550.1 | 551.3 | 552.1 | 554.7 | 556.0 | 558.7 | 559.5 | 561.5 | | |
| Unfinished oils, natural gasoline, etc. | do. | 138.3 | 145.9 | 143.7 | 147.8 | 148.7 | 158.6 | 160.1 | 159.8 | 157.7 | 158.5 | 156.4 | 158.5 | 145.9 | 151.8 | | |
| Refined products | do. | 579.5 | 562.9 | 539.4 | 512.1 | 524.8 | 547.4 | 541.4 | 566.2 | 577.7 | 585.8 | 578.2 | 580.2 | 562.9 | 572.9 | | |
| Refined petroleum products. | | | | | | | | | | | | | | | | | |
| Gasoline (incl aviation) | do. | 2,506.2 | 2,554.4 | 195.8 | 208.2 | 207.9 | 213.2 | 210.3 | 222.9 | 224.3 | 209.3 | 214.0 | 212.3 | 227.2 | 215.6 | | |
| Production | do. | 191.1 | 191.8 | 204.4 | 195.9 | 191.5 | 190.4 | 175.6 | 179.7 | 184.3 | 183.8 | 182.0 | 185.7 | 191.8 | 207.8 | | |
| Stocks, end of period | do. | | | | | | | | | | | | | | | | |
| Prices, regular grade (excl aviation): | | | | | | | | | | | | | | | | | |
| Producer Price Index | 1982=100 | 59.5 | 58.2 | 53.9 | 53.9 | 58.2 | 60.9 | 60.7 | 63.2 | 64.4 | 58.1 | 56.6 | 59.6 | 55.1 | 55.3 | 57.5 | 60.6 |
| Retail, U.S. city average (BLS) | | | | | | | | | | | | | | | | | |
| Leaded | \$ per gal | 897 | 900 | 859 | 850 | 883 | 911 | 910 | 923 | 945 | 933 | 910 | 904 | 885 | 876 | 886 | 907 |
| Unleaded | do. | 948 | 946 | 913 | 904 | 930 | 955 | 955 | 967 | 987 | 974 | 957 | 949 | 930 | 918 | 926 | 940 |
| Aviation gasoline: | | | | | | | | | | | | | | | | | |
| Production | mil. bbl | 9.1 | 9.2 | 5 | 7 | 7 | 9 | 8 | 10 | 10 | 8 | 8 | 6 | 8 | 6 | | |
| Stocks, end of period | do. | 2.3 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 2.1 | 2.0 | | | |
| Kerosene | | | | | | | | | | | | | | | | | |
| Production | do. | 28.7 | 28.7 | 3.4 | 2.1 | 1.5 | 1.5 | 1.6 | 2.0 | 2.5 | 2.3 | 2.5 | 3.0 | 3.1 | 3.4 | | |
| Stocks, end of period | do. | 8.4 | 7.3 | 6.9 | 6.4 | 6.0 | 5.6 | 6.0 | 6.2 | 7.1 | 7.5 | 8.0 | 8.1 | 7.3 | 7.3 | | |
| Producer Price Index (light distillate) | 1982=100 | 54.1 | 51.6 | 55.1 | 53.7 | 52.4 | 53.7 | 53.0 | 51.0 | 50.0 | 49.2 | 46.9 | 48.4 | 50.4 | 54.0 | 55.6 | |
| Distillate fuel oil | | | | | | | | | | | | | | | | | |
| Production | mil bbl | 996.6 | 1,046.9 | 77.8 | 84.3 | 86.1 | 90.9 | 86.8 | 86.3 | 88.2 | 83.4 | 87.7 | 87.1 | 95.1 | 92.2 | | |
| Imports | do. | 93.2 | 103.2 | 9.6 | 7.5 | 6.3 | 7.1 | 6.3 | 6.4 | 8.4 | 8.7 | 10.1 | 9.2 | 12.7 | 10.2 | | |
| Stocks, end of period | do. | 134.5 | 123.5 | 109.6 | 89.3 | 94.3 | 104.5 | 110.7 | 119.4 | 125.2 | 131.0 | 127.9 | 128.7 | 123.5 | 120.3 | | |
| Producer Price Index (middle distillate) | 1982=100 | 55.5 | 49.5 | 51.5 | 49.7 | 53.3 | 54.3 | 50.6 | 46.9 | 46.8 | 45.9 | 42.3 | 47.2 | 50.7 | 54.9 | 53.3 | 57.3 |
| Residual fuel oil | | | | | | | | | | | | | | | | | |
| Production | mil bbl | 323.2 | 339.6 | 28.9 | 29.3 | 28.5 | 26.8 | 26.4 | 28.3 | 26.8 | 25.8 | 26.7 | 27.7 | 33.1 | 29.4 | | |
| Imports | do. | 206.1 | 217.0 | 23.0 | 18.9 | 13.9 | 13.1 | 10.5 | 13.5 | 16.0 | 17.0 | 16.2 | 22.9 | 29.2 | 27.2 | | |
| Stocks, end of period | do. | 47.4 | 44.5 | 45.5 | 44.1 | 43.2 | 45.7 | 42.1 | 41.1 | 37.8 | 44.2 | 42.4 | 45.1 | 44.5 | 47.0 | | |
| Producer Price Index | 1982=100 | 53.1 | 41.1 | 43.5 | 41.9 | 40.5 | 42.6 | 43.7 | 40.4 | 39.6 | 40.4 | 38.8 | 36.5 | 39.8 | 41.9 | 43.7 | 43.5 |
| Jet fuel | | | | | | | | | | | | | | | | | |
| Production | mil bbl | 490.1 | 501.3 | 40.1 | 45.0 | 38.7 | 39.9 | 40.2 | 42.3 | 41.7 | 41.3 | 42.3 | 40.1 | 45.8 | 46.6 | | |
| Stocks, end of period | do. | 49.9 | 43.7 | 43.6 | 46.7 | 46.0 | 46.8 | 45.7 | 47.0 | 46.8 | 46.8 | 47.3 | 46.5 | 43.7 | 44.5 | | |
| Lubricants | | | | | | | | | | | | | | | | | |
| Production | do. | 60.9 | 62.5 | 5.1 | 5.8 | 5.3 | 5.6 | 5.5 | 5.2 | 5.3 | 4.3 | 5.2 | 5.0 | 5.0 | 5.4 | | |
| Stocks, end of period | do. | 13.3 | 13.3 | 13.9 | 13.9 | 14.1 | 13.8 | 13.9 | 14.0 | 13.6 | 12.5 | 12.8 | 12.5 | 13.3 | 14.3 | | |
| Asphalt | | | | | | | | | | | | | | | | | |
| Production | do. | 158.4 | 162.1 | 7.9 | 10.6 | 11.8 | 15.3 | 17.5 | 18.6 | 20.1 | 17.8 | 15.7 | 11.0 | 8.5 | 8.4 | | |
| Stocks, end of period | do. | 18.8 | 20.8 | 26.7 | 28.6 | 30.6 | 30.1 | 27.0 | 25.6 | 21.9 | 19.6 | 18.6 | 18.7 | 20.8 | 25.6 | | |
| Liquefied petroleum gases | | | | | | | | | | | | | | | | | |
| Production, total | do. | 638.2 | 662.4 | 51.0 | 55.9 | 53.9 | 56.1 | 54.1 | 56.7 | 57.3 | 55.1 | 57.9 | 54.9 | 56.1 | 58.2 | | |
| At gas processing plants (LPG) | do. | 474.5 | 481.2 | 37.5 | 40.9 | 39.2 | 40.9 | 38.9 | 40.2 | 40.4 | 39.3 | 42.1 | 40.9 | 41.5 | 41.8 | | |
| At refineries (LRG) | do. | 163.7 | 181.2 | 13.4 | 14.9 | 14.6 | 15.2 | 15.2 | 16.6 | 16.9 | 15.8 | 15.9 | 14.0 | 14.6 | 16.3 | | |
| Stocks (at plants and refineries) | do. | 97.1 | 98.9 | 70.2 | 68.8 | 79.7 | 80.0 | 100.0 | 111.9 | 120.6 | 121.6 | 119.9 | 115.1 | 98.9 | 87.0 | | |

PULP, PAPER, AND PAPER PRODUCTS

| PULPWOOD | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|
| Receipts | thous cords (128 cu ft) | 194,312 | 195,537 | 7,924 | 8,345 | 7,911 | 7,611 | 7,766 | 7,652 | 8,007 | 8,080 | 8,245 | 7,889 | 8,370 | 8,440 | | |
| Consumption | do. | 198,946 | 195,497 | 7,743 | 8,249 | 8,137 | 7,650 | 7,689 | 7,901 | 7,951 | 7,956 | 7,908 | 7,887 | 8,198 | 8,358 | | |
| Inventories, end of period | do. | 5,096 | 4,888 | 4,777 | 4,942 | 4,642 | 4,420 | 4,507 | 4,282 | 4,325 | 4,484 | 4,726 | 4,790 | 4,888 | 4,861 | | |
| WASTE PAPER | | | | | | | | | | | | | | | | | |
| Consumption | thous sh. tons | 117,993 | 118,827 | 1,529 | 1,660 | 1,541 | 1,611 | 1,565 | 1,525 | 1,626 | 1,553 | 1,597 | 1,565 | 1,524 | 1,573 | | |
| Inventories, end of period | do. | 902 | 847 | 871 | 926 | 937 | 897 | 908 | 905 | 971 | 1,057 | 1,022 | 1,058 | 1,073 | 1,050 | | |
| WOODPULP | | | | | | | | | | | | | | | | | |
| Production | | | | | | | | | | | | | | | | | |
| Total | thous sh. tons | 59,552 | 61,210 | 4,917 | 5,222 | 5,004 | 5,004 | 4,949 | 5,219 | 5,265 | 5,007 | 5,079 | 4,974 | 5,282 | 5,471 | | |
| Dissolving pulp | do. | 1,312 | 1,367 | 116 | 109 | 105 | 113 | 117 | 117 | 119 | 135 | 99 | 112 | 127 | 127 | | |
| Paper grades chemical pulp | do. | 48,293 | 49,543 | 3,981 | 4,259 | 4,037 | 4,011 | 4,003 | 4,241 | 4,272 | 4,045 | 4,100 | 4,007 | 4,303 | 4,428 | | |
| Groundwood and thermo-mechanical | do. | 5,702 | 5,943 | 471 | 495 | 509 | 507 | 480 | 497 | 504 | 473 | 513 | 489 | 484 | 520 | | |
| Semi-chemical | do. | 4,246 | 4,357 | 350 | 360 | 354 | 373 | 349 | 363 | 371 | 354 | 367 | 366 | 368 | 397 | | |
| Inventories, end of period | | | | | | | | | | | | | | | | | |
| At pulp mills | | | | | | | | | | | | | | | | | |
| Own use woodpulp | do. | 170 | 165 | 165 | 169 | 169 | 160 | 175 | 194 | 199 | 198 | 161 | 170 | 172 | 178 | | |
| Market pulp | do. | 224 | 290 | 265 | 237 | 256 | 243 | 193 | 236 | 247 | 272 | 275 | 301 | 261 | 355 | | |
| Market pulp at paper and board mills | do. | 529 | 508 | 503 | 532 | 513 | 534 | 548 | 548 | 634 | 628 | 583 | 591 | 622 | 596 | | |
| Exports, all grades, total | thous met tons | 4,579 | 5,016 | 403 | 445 | 411 | 393 | 451 | 356 | 451 | 470 | 382 | 381 | 519 | 415 | 460 | |
| Dissolving and special alpha | do. | 627 | 786 | 37 | 72 | 73 | 55 | 92 | 51 | 57 | 73 | 67 | 66 | 81 | 50 | 63 | |
| All other | do. | 4,100 | 4,374 | 366 | 516 | 337 | 337 | 359 | 305 | 395 | 396 | 315 | 315 | 438 | 365 | 397 | |
| Imports, all grades, total | do. | 4,512 | 4,481 | 389 | 392 | 388 | 376 | 376 | 377 | 417 | 344 | 396 | 386 | 285 | 517 | 358 | |
| Dissolving and special alpha | do. | 87 | 124 | 13 | 13 | 11 | 6 | 12 | 2 | 15 | 10 | 4 | 15 | 16 | 2 | | |

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|----------------------|----------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 1987 | 1988 | 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 (APD) | | | | | | | | | | | | | | | | | |
| Total | thous. sh tons | '74,435 | '76,706 | 6,215 | 6,724 | 6,313 | 6,440 | 6,317 | 6,271 | 6,607 | 6,346 | 6,466 | '6,222 | '6,295 | '6,580 | 5,983 | |
| Paper | do | 36,996 | 38,476 | 3,119 | 3,382 | 3,197 | 3,176 | 3,165 | 3,090 | 3,323 | 3,219 | 3,264 | 3,165 | 3,140 | '3,299 | 2,986 | |
| Paperboard | do | 37,439 | 38,230 | 3,097 | 3,342 | 3,116 | 3,264 | 3,152 | 3,181 | 3,284 | 3,127 | 3,203 | '3,056 | '3,155 | '3,281 | 2,996 | |
| Producer Price Indexes | | | | | | | | | | | | | | | | | |
| Paperboard | 1982=100 | 118.1 | 133.2 | 127.1 | 130.5 | 132.6 | 133.4 | 134.0 | 134.3 | 134.5 | 136.2 | 136.4 | 136.5 | 136.5 | 137.8 | 138.7 | 141.6 |
| Building paper and board | do | 111.2 | 113.2 | 114.0 | 113.1 | 113.3 | 113.4 | 114.2 | 113.9 | 112.7 | 112.5 | 112.5 | '112.7 | 113.3 | 112.9 | 113.8 | 114.2 |
| Selected types of paper (APD) | | | | | | | | | | | | | | | | | |
| Groundwood paper, uncoated: | | | | | | | | | | | | | | | | | |
| Orders, new | thous. sh. tons | '1,529 | '1,630 | 137 | 131 | 121 | 152 | 122 | 131 | 136 | 143 | 145 | 113 | 177 | '140 | 133 | |
| Orders, unfilled, end of period | do... | 181 | 207 | 197 | 196 | 167 | 179 | 188 | 177 | 171 | 173 | 168 | 145 | 207 | '182 | 197 | |
| Shipments | do... | '1,485 | '1,601 | 129 | 139 | 127 | 135 | 120 | 134 | 147 | 141 | 147 | 130 | 125 | '148 | 181 | |
| Coated paper: | | | | | | | | | | | | | | | | | |
| Orders, new | do | '7,066 | '7,406 | 583 | 646 | 631 | 620 | 612 | 662 | 641 | 584 | 666 | 575 | 570 | '585 | 559 | |
| Orders, unfilled, end of period | do | 734 | 722 | 692 | 704 | 678 | 678 | 688 | 746 | 756 | 729 | 729 | 729 | 722 | '674 | 692 | |
| Shipments | do | 6,860 | 7,361 | 593 | 653 | 609 | 601 | 617 | 594 | 648 | 606 | 625 | 606 | 573 | '633 | 551 | |
| Uncoated free sheet papers | | | | | | | | | | | | | | | | | |
| Orders, new | do | '11,184 | '11,365 | 917 | 1,032 | 990 | 921 | 965 | 909 | 953 | 927 | 937 | 880 | 989 | '934 | 875 | |
| Shipments | do. | '11,228 | '11,554 | 943 | 1,039 | 967 | 941 | 953 | 920 | 1,001 | 973 | 965 | 943 | 948 | '980 | 916 | |
| Unbleached kraft packaging and industrial converting papers. | | | | | | | | | | | | | | | | | |
| Shipments | thous. sh tons | '3,081 | '3,038 | 255 | 262 | 255 | 236 | 244 | 240 | 250 | 261 | 248 | 254 | 258 | '269 | 233 | |
| Tissue paper, production | do. | '5,301 | '5,476 | 437 | 474 | 445 | 461 | 454 | 452 | 471 | 458 | 476 | 445 | 450 | '466 | 435 | |
| Newsprint | | | | | | | | | | | | | | | | | |
| Canada | | | | | | | | | | | | | | | | | |
| Production | thous. metric tons | 9,669 | 9,969 | 815 | 874 | 826 | 860 | 799 | 827 | 846 | 790 | 865 | 837 | 809 | 850 | 777 | |
| Shipments from mills | do | 9,757 | 9,867 | 782 | 881 | 789 | 856 | 851 | 794 | 847 | 830 | 803 | 845 | 874 | 763 | 731 | |
| Inventory, end of period | do | 189 | 291 | 328 | 321 | 359 | 363 | 311 | 343 | 342 | 301 | 364 | 356 | 291 | 378 | 425 | |
| United States | | | | | | | | | | | | | | | | | |
| Production | do | 5,300 | 5,427 | 434 | 463 | 451 | 466 | 445 | 436 | 461 | 446 | 461 | 448 | 464 | 460 | 404 | |
| Shipments from mills | do | 5,310 | 5,415 | 435 | 458 | 446 | 463 | 449 | 431 | 459 | 447 | 461 | 456 | 475 | 437 | 412 | |
| Inventory, end of period | do | 36 | 48 | 51 | 55 | 60 | 63 | 59 | 65 | 67 | 67 | 67 | 59 | 48 | 71 | 64 | |
| Estimated consumption, all users | do... | 12,322 | 12,336 | 964 | 1,059 | 1,023 | 1,058 | 997 | 968 | 995 | 1,047 | 1,135 | 1,094 | '1,037 | '964 | 921 | |
| Publishers' stocks, end of period # | thous. metric tons. | 900 | 932 | 931 | 962 | 972 | 952 | 990 | 973 | 1,007 | 1,004 | 936 | 898 | 932 | '936 | 932 | |
| Imports | do. | 8,142 | 7,794 | 632 | 736 | 658 | 695 | 649 | 660 | 663 | 673 | 638 | 641 | 489 | '1,351 | 568 | |
| Producer Price Index, standard newsprint | 1982=100 | 112.3 | 127.5 | 127.9 | 127.9 | 127.7 | 127.9 | 127.9 | 127.8 | 127.7 | 127.8 | 127.7 | '127.5 | 126.2 | 126.1 | 128.8 | 128.3 |
| Paper products: | | | | | | | | | | | | | | | | | |
| Shipping containers, corrugated and solid fiber shipments | mil sq. ft surf area | 297,827 | 307,457 | '24,742 | 27,222 | 26,053 | 24,986 | 25,830 | 24,470 | 26,378 | 26,059 | 27,797 | 24,876 | 23,467 | 26,444 | 24,086 | |
| RUBBER AND RUBBER PRODUCTS | | | | | | | | | | | | | | | | | |
| RUBBER | | | | | | | | | | | | | | | | | |
| Natural rubber: | | | | | | | | | | | | | | | | | |
| Consumption | thous. metric tons | 775.82 | 810.77 | 65.16 | 88.10 | 58.68 | 65.73 | 60.46 | 49.11 | 76.59 | 61.47 | 70.86 | 72.48 | 63.06 | | | |
| Stocks, end of period | do | 72.46 | 61.74 | 75.32 | 70.69 | 74.64 | 72.94 | 71.56 | 68.74 | 71.18 | 63.93 | 57.92 | 58.43 | 61.74 | | | |
| Imports, incl. latex and guayule | do | 757.60 | 853.82 | 69.59 | 87.02 | 68.59 | 67.24 | 64.85 | 49.49 | 83.25 | 59.12 | 69.31 | 77.43 | 74.73 | '44.34 | 23.29 | |
| U S Import Price Index | 1985=100 | 115.7 | 147.7 | | 132.4 | | | 175.8 | | | 149.9 | | | 132.7 | | 135.1 | |
| Synthetic rubber | | | | | | | | | | | | | | | | | |
| Production | thous. metric tons | 2,184.12 | 2,324.86 | 179.13 | 201.20 | 193.72 | 205.40 | 197.36 | 187.36 | 200.36 | 189.61 | 193.15 | 201.86 | 188.76 | | | |
| Consumption | do... | 2,017.31 | 2,009.64 | 166.82 | 186.80 | 163.05 | 172.08 | 166.30 | 160.91 | 171.10 | 162.45 | 170.58 | 180.53 | 150.50 | | | |
| Stocks, end of period | do | 229.72 | 276.62 | 235.11 | 229.64 | 237.50 | 246.18 | 249.56 | 261.01 | 259.87 | 258.61 | 259.03 | 258.21 | 276.62 | | | |
| Exports (Bu. of Census) | do | 429.40 | 459.98 | 37.35 | 41.77 | 41.68 | 40.43 | 41.12 | 29.76 | 44.03 | 38.62 | 37.18 | 36.25 | 32.12 | '18.93 | 20.38 | |
| TIRES AND TUBES | | | | | | | | | | | | | | | | | |
| Pneumatic casings | | | | | | | | | | | | | | | | | |
| Production | thous | '202,978 | '211,351 | 18,027 | 19,305 | 17,642 | 17,403 | 17,941 | 15,022 | 18,058 | 18,115 | 19,138 | 17,253 | 16,603 | | | |
| Shipments, total | do | 255,220 | 264,808 | 19,472 | 22,808 | 21,200 | 22,539 | 24,764 | 20,101 | 24,002 | 23,738 | 24,312 | 22,622 | 20,394 | | | |
| Original equipment | do | 80,758 | 82,332 | 5,065 | 5,759 | 5,606 | 6,010 | 5,718 | 5,526 | 4,844 | 5,556 | 5,672 | 5,529 | 4,934 | | | |
| Replacement equipment | do | 186,406 | 189,210 | 13,243 | 15,740 | 14,501 | 15,559 | 18,055 | 15,783 | 18,042 | 17,118 | 17,476 | 16,103 | 14,706 | | | |
| Exports | do | 8,056 | 12,666 | 1,163 | 1,309 | 1,093 | 970 | 992 | 793 | 1,116 | 1,064 | 1,163 | 989 | 993 | | | |
| Stocks, end of period | do | 34,338 | 34,005 | 39,904 | 40,737 | 41,149 | 40,159 | 37,976 | 37,355 | 36,064 | 34,771 | 34,074 | 33,434 | 34,005 | | | |
| Exports (Bu. of Census) | do | 9,580 | 16,149 | 1,410 | 1,477 | 1,598 | 1,380 | 1,157 | 995 | 1,348 | 1,420 | 1,400 | 1,322 | 1,314 | '1,903 | 1,373 | |
| Inner tubes | | | | | | | | | | | | | | | | | |
| Exports (Bu. of Census) | do... | 1,518 | 1,712 | 138 | 165 | 141 | 161 | 113 | 162 | 130 | 149 | 182 | 144 | 132 | '243 | 122 | |

See footnotes at end of tables

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

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|---------------------|-----------|-----------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|--------|--------|--------|-------|
| | 1987 | 1988 | 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. | 1480,410 | 1480,314 | 26,293 | 36,404 | 39,926 | 45,356 | 50,117 | 43,803 | 49,564 | 47,580 | 47,250 | 39,750 | 32,505 | 27,176 | 23,133 | ... |
| CLAY CONSTRUCTION PRODUCTS | | | | | | | | | | | | | | | | | |
| Shipments: | | | | | | | | | | | | | | | | | |
| Brick, unglazed (common and face) | mil. standard brick | 7,600.5 | 7,807.8 | 486.7 | 709.7 | 685.4 | 716.8 | 777.1 | 682.1 | 751.0 | 714.1 | 752.6 | 617.3 | 516.0 | 500.4 | 423.8 | ... |
| Structural tile, except facing | thous. sh. tons | (2) | 58.1 | 4.7 | 4.7 | 4.7 | 5.1 | 5.3 | 5.3 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | ... |
| Sewer pipe and fittings, vitrified .. . | do | 316.9 | 316.3 | 21.1 | 31.4 | 24.7 | 27.5 | 34.1 | 31.2 | 36.6 | 27.7 | 26.2 | 22.2 | 15.6 | 18.4 | 14.3 | ... |
| Floor and wall tile and accessories, glazed and unglazed | mi. sq. ft. | 478.9 | 488.2 | 38.4 | 44.7 | 40.7 | 41.3 | 44.3 | 36.8 | 42.2 | 42.0 | 41.3 | 40.5 | 40.0 | 39.3 | 39.5 | ... |
| Producer Price Index, brick and structural clay tile | 12/84=100 | 108.2 | 110.9 | 110.5 | 110.4 | 110.7 | 110.9 | 111.1 | 111.1 | 111.1 | 111.1 | 111.0 | 111.2 | 111.2 | 111.3 | 111.4 | 111.7 |
| GLASS AND GLASS PRODUCTS | | | | | | | | | | | | | | | | | |
| Flat glass, mfrs.' shipments | thous. \$ | 1,457,587 | 1,484,949 | ... | 351,793 | ... | 369,275 | ... | 380,269 | ... | 383,612 | ... | ... | ... | ... | ... | ... |
| Glass containers: | | | | | | | | | | | | | | | | | |
| Production | thous. gross | 285,030 | 280,102 | 22,497 | 24,506 | 24,950 | 25,027 | 24,789 | 25,475 | 25,225 | 22,586 | 25,457 | 20,993 | 17,009 | 22,237 | 22,343 | ... |
| Shipments, total | do | 281,636 | 276,024 | 20,864 | 22,522 | 24,327 | 24,834 | 25,764 | 24,367 | 25,598 | 23,196 | 22,882 | 20,344 | 19,431 | 21,944 | 20,981 | ... |
| Narrow-neck containers: | | | | | | | | | | | | | | | | | |
| Food | do | 27,252 | 25,137 | 1,815 | 2,211 | 2,445 | 2,532 | 2,367 | 2,167 | 2,828 | 2,349 | 1,748 | 1,511 | 1,327 | 1,605 | 1,667 | ... |
| Beverage | do | 62,434 | 61,325 | 4,260 | 5,178 | 5,753 | 5,617 | 6,342 | 5,896 | 5,968 | 5,129 | 4,775 | 4,216 | 4,306 | 4,528 | 4,304 | ... |
| Beer | do | 85,357 | 86,299 | 6,645 | 6,032 | 7,503 | 8,142 | 7,546 | 7,741 | 7,482 | 6,943 | 7,332 | 6,602 | 6,403 | 7,390 | 6,767 | ... |
| Liquor and wine | do | 28,382 | 26,593 | 2,068 | 2,423 | 2,523 | 2,518 | 2,718 | 2,533 | 2,338 | 1,846 | 1,960 | 1,798 | 1,715 | 1,959 | 1,879 | ... |
| Wide-mouth containers: | | | | | | | | | | | | | | | | | |
| Food and dairy products | do | 62,673 | 65,885 | 5,256 | 5,508 | 5,225 | 5,091 | 5,874 | 5,324 | 6,121 | 6,013 | 6,153 | 5,294 | 4,828 | 5,635 | 5,402 | ... |
| Narrow-neck and wide-mouth containers: | | | | | | | | | | | | | | | | | |
| Medical and toilet | do | 14,167 | 9,772 | 737 | 1,050 | 787 | 879 | 850 | 674 | 786 | 825 | 829 | 814 | 753 | 727 | 796 | ... |
| Chemical, household, and industrial | do | 1,371 | 1,013 | 83 | 120 | 91 | 55 | 67 | 52 | 75 | 91 | 85 | 109 | 99 | 100 | 116 | ... |
| Stocks, end of period | do | 41,926 | 42,426 | 42,680 | 44,569 | 44,953 | 44,970 | 43,614 | 44,466 | 43,544 | 42,466 | 44,335 | 45,150 | 42,426 | 42,807 | 44,079 | ... |
| GYPSUM AND PRODUCTS | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Crude gypsum (exc byproduct) | thous. sh. tons | 15,612 | 15,100 | 1,075 | 1,297 | 1,272 | 1,231 | 1,291 | 1,203 | 1,059 | 1,521 | 1,429 | 1,279 | 1,460 | ... | ... | ... |
| Calcined | do | 17,592 | 16,900 | 1,361 | 1,402 | 1,524 | 1,327 | 1,277 | 1,340 | 1,468 | 1,444 | 1,760 | 1,385 | 1,330 | ... | ... | ... |
| Imports, crude gypsum | do | 9,717 | ... | 801 | 512 | 986 | 685 | 878 | 804 | 775 | 760 | 850 | 915 | ... | ... | ... | ... |
| Sales of gypsum products: | | | | | | | | | | | | | | | | | |
| Uncalcined | | | | | | | | | | | | | | | | | |
| Calcined: | do | 6,324 | 5,313 | 306 | 378 | 359 | 415 | 632 | 444 | 417 | 462 | 533 | 460 | 564 | ... | ... | ... |
| Industrial plasters | | | | | | | | | | | | | | | | | |
| Building plasters, total (incl Keene's cement) | do | 280 | 235 | 21 | 23 | 21 | 20 | 19 | 19 | 22 | 19 | 19 | 18 | 16 | ... | ... | ... |
| Board products, total | | | | | | | | | | | | | | | | | |
| Lath | mil. sq. ft. | 20,507 | 20,612 | 1,595 | 1,896 | 1,687 | 1,667 | 1,683 | 1,698 | 1,914 | 1,766 | 1,897 | 1,699 | 1,641 | ... | ... | ... |
| Veneer base | do | 479 | 473 | 36 | 44 | 41 | 40 | 39 | 37 | 44 | 40 | 40 | 40 | 37 | ... | ... | ... |
| Gypsum sheathing | do | 313 | 287 | 19 | 27 | 24 | 25 | 26 | 23 | 26 | 24 | 26 | 18 | 30 | ... | ... | ... |
| Regular gypsum board | do | 13,920 | 12,420 | 975 | 1,154 | 1,003 | 998 | 992 | 1,027 | 1,143 | 1,057 | 1,139 | 1,043 | 1,005 | ... | ... | ... |
| Type X gypsum board | do | 4,489 | 5,797 | 451 | 528 | 473 | 462 | 474 | 479 | 549 | 541 | 468 | 453 | ... | ... | ... | ... |
| Predecorated wallboard | do | 128 | 117 | 9 | 10 | 9 | 9 | 11 | 10 | 11 | 10 | 9 | 10 | 10 | ... | ... | ... |
| 1/2" mobile home board | do | 598 | 828 | 51 | 72 | 80 | 77 | 74 | 69 | 79 | 79 | 80 | 65 | 53 | ... | ... | ... |
| Water/moisture resistant board | do | 557 | 669 | 52 | 59 | 55 | 53 | 66 | 53 | 60 | 56 | 59 | 55 | 53 | ... | ... | ... |

TEXTILE PRODUCTS

| FABRIC | | | | | | | | | | | | | | | | | |
|--|----------------------------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Woven fabric, finishing plants: | | | | | | | | | | | | | | | | | |
| Production (finished fabric) | | | | | | | | | | | | | | | | | |
| Cotton | mil. linear yd | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manmade fiber and silk fabrics | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Inventories held at end of period: | | | | | | | | | | | | | | | | | |
| Cotton | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manmade fiber and silk fabrics | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Backlog of finishing orders | | | | | | | | | | | | | | | | | |
| Cotton | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manmade fiber and silk fabrics | do | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| COTTON AND MANUFACTURES | | | | | | | | | | | | | | | | | |
| Cotton (excluding linters): | | | | | | | | | | | | | | | | | |
| Production: | | | | | | | | | | | | | | | | | |
| Ginnings | thous. running bales | 14,359 | 14,986 | ... | ... | ... | ... | ... | 136 | 804 | 2,277 | 6,888 | 11,698 | 14,276 | ... | ... | ... |
| Crop estimate | thous. net weight bales \$ | 14,760 | 15,446 | ... | ... | ... | ... | ... | ... | 14,934 | 14,709 | 14,714 | 14,837 | 15,197 | ... | ... | ... |
| Consumption | thous. running bales | 7,446 | 7,294 | 590 | 738 | 556 | 551 | 662 | 433 | 563 | 676 | 454 | 509 | 554 | 554 | 570 | 746 |
| Stocks in the United States, total, end of period # | | | | | | | | | | | | | | | | | |
| Domestic cotton, total | thous. running bales | 13,722 | 16,062 | 11,245 | 9,711 | 8,607 | 7,707 | 6,567 | 5,723 | 13,973 | 18,122 | 17,755 | 17,115 | 16,062 | 14,809 | 13,705 | 12,349 |
| On farms and in transit | do | 13,722 | 16,062 | 11,245 | 9,711 | 8,607 | 7,707 | 6,567 | 5,723 | 13,973 | 18,122 | 17,755 | 17,115 | 16,062 | 14,809 | 13,705 | 12,349 |
| Public storage and compresses | do | 2,525 | 1,957 | 1,312 | 953 | 791 | 968 | 761 | 300 | 13,974 | 12,487 | 8,975 | 4,838 | 1,957 | 1,081 | 1,026 | 998 |
| Consuming establishments | do | 10,555 | 13,524 | 9,151 | 7,972 | 7,023 | 5,987 | 5,073 | 4,714 | 4,348 | 5,027 | 8,210 | 11,722 | 13,524 | 13,141 | 12,048 | 10,734 |
| | do | 642 | 581 | 782 | 786 | 788 | 752 | 733 | 709 | 651 | 608 | 570 | 555 | 581 | 587 | 631 | 622 |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|--|----------|----------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|-------|-------|--|
| | 1987 | 1988 | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan. | Feb | Mar | |
| TEXTILE PRODUCTS—Continued | | | | | | | | | | | | | | | | | |
| COTTON AND MANUFACTURES—Cont. | | | | | | | | | | | | | | | | | |
| Cotton (excluding linters)—Continued | | | | | | | | | | | | | | | | | |
| Exports... thous running bales | 5,683 | 5,649 | 698 | 735 | 541 | 488 | 523 | 303 | 249 | 249 | 224 | 379 | 632 | | | | |
| Imports... thous net-weight bales \$ | 2 | 1 | (1) | | | | | | | (1) | (1) | | (1) | | | | |
| Price(farm), American upland ◊ cents per lb. | \$64.6 | 56.5 | 57.0 | 57.9 | 59.9 | 58.3 | 62.0 | 59.5 | 52.6 | 51.8 | 54.2 | 56.5 | 55.3 | 53.9 | *52.9 | *55.5 | |
| Price, Strict Low Middling, Grade 41, staple 34 (1 1/8"), average 10 markets cents per lb. | \$52.6 | 64.4 | 57.8 | 59.6 | 60.1 | 61.6 | 62.9 | 57.4 | 55.2 | 51.3 | 52.2 | 53.4 | 54.8 | 55.6 | 55.4 | 57.6 | |
| Spindle activity (cotton system spindles): | | | | | | | | | | | | | | | | | |
| Active spindles, last working day, total mil | 11.6 | 11.5 | 11.5 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.6 | 11.5 | 11.5 | 11.4 | 11.5 | 11.3 | 11.2 | | |
| Consuming 100 percent cotton... mil sq yd | 4.6 | 4.4 | 4.6 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.6 | 4.4 | 4.3 | 4.3 | 4.4 | 4.3 | 4.2 | 4.3 | |
| Spindle hours operated, all fibers, total bil | 82.9 | 78.1 | 6.4 | *8.0 | 6.7 | 6.5 | *7.8 | 5.0 | 6.0 | *7.5 | 6.0 | *6.0 | *6.8 | 5.8 | 5.8 | | |
| Average per working day... do | 319 | 302 | 319 | 321 | 334 | 324 | 313 | 252 | 299 | 301 | 299 | *300 | 251 | 288 | 292 | | |
| Consuming 100 percent cotton... do | 32.3 | 28.9 | 2.5 | *3.1 | 2.5 | 2.4 | *2.8 | 1.8 | 2.2 | *2.7 | 2.1 | 2.2 | *2.2 | 2.1 | 2.2 | *2.7 | |
| Cotton cloth | | | | | | | | | | | | | | | | | |
| Cotton broadwoven goods over 12" in width—Production (qtrly) mil sq yd | 4,772 | | | 1,233 | | | 1,208 | | | 1,049 | | | | | | | |
| Orders, unfilled, end of period, compared with average weekly production no weeks' prod | | | | | | | | | | | | | | | | | |
| Inventories, end of period, compared with avg weekly production... no weeks' prod | | | | | | | | | | | | | | | | | |
| Ratio of stocks to unfilled orders (at cotton mills), end of period | | | | | | | | | | | | | | | | | |
| Exports, raw cotton equivalent thous net-weight bales \$ | 260.0 | 250.4 | 18.1 | 23.9 | 20.4 | 19.3 | 20.4 | 16.8 | 19.3 | 25.0 | 20.5 | 22.8 | 25.4 | | | | |
| Imports, raw cotton equivalent... do | 1,617.2 | 1,146.8 | 102.6 | 107.6 | 98.6 | 90.4 | 87.3 | 86.0 | 91.6 | 87.2 | 92.9 | 94.5 | 109.4 | | | | |
| Producer Price Index, gray cotton broadwovens 1982=100 | 105.2 | *114.4 | 114.3 | 114.5 | 115.9 | 116.2 | 116.1 | 115.9 | 115.6 | 114.8 | 111.9 | *112.5 | 111.5 | 111.6 | 111.8 | 110.7 | |
| MANMADE FIBERS AND MANUFACTURES | | | | | | | | | | | | | | | | | |
| Fiber production, qtrly | | | | | | | | | | | | | | | | | |
| Acetate filament yarn... mil lb | 191.1 | 213.9 | | 49.1 | | | 54.4 | | | 54.9 | | | 55.5 | | | | |
| Rayon staple, including tow... do | 413.8 | 399.8 | | 106.6 | | | 101.2 | | | 99.4 | | | 92.6 | | | | |
| Noncellulosic, except textile glass Yarn and monofilaments... do | 4,009.7 | 4,160.4 | | 1,017.8 | | | 1,062.4 | | | 1,025.1 | | | 1,055.1 | | | | |
| Staple, incl tow... do | 4,306.2 | 4,345.6 | | 1,062.0 | | | 1,100.8 | | | 1,058.3 | | | 1,124.5 | | | | |
| Textile glass fiber... do | | | | | | | | | | | | | | | | | |
| Fiber stocks, producers', end of period | | | | | | | | | | | | | | | | | |
| Acetate filament yarn... mil lb | 14.2 | 11.4 | | 13.2 | | | 12.4 | | | 11.5 | | | 11.4 | | | | |
| Rayon staple, including tow... do | 20.7 | 14.0 | | 20.3 | | | 13.4 | | | 13.3 | | | 14.0 | | | | |
| Noncellulosic fiber, except textile glass Yarn and monofilaments... do | 298.4 | 284.4 | | 302.3 | | | 313.1 | | | 317.0 | | | 284.4 | | | | |
| Staple, incl tow... do | 319.6 | 298.4 | | 305.7 | | | 342.9 | | | 329.0 | | | 298.4 | | | | |
| 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 acetate filament and spun yarn fabrics... do | | | | | | | | | | | | | | | | | |
| Producer Price Index, gray synthetic broadwovens 1982=100 | 105.6 | *112.7 | 111.1 | 111.6 | 111.8 | 112.2 | 113.0 | 113.4 | 113.8 | 113.0 | 113.5 | *113.9 | 114.5 | 114.2 | 113.0 | 112.1 | |
| Manmade fiber textile trade | | | | | | | | | | | | | | | | | |
| Exports, manmade fiber equivalent mil lbs | 591.87 | 684.75 | 52.83 | 64.84 | 59.83 | 64.49 | 56.85 | 52.04 | 57.52 | 59.97 | 56.74 | 56.77 | 59.98 | | | | |
| Yarn, tops, thread, cloth... do | 260.31 | 282.19 | 23.02 | 27.87 | 24.36 | 22.09 | 23.10 | 20.80 | 23.77 | 23.95 | 22.20 | 23.63 | 27.32 | | | | |
| Cloth, woven... do | 152.65 | 169.31 | 12.81 | 16.56 | 14.97 | 13.48 | 12.89 | 12.19 | 14.25 | 14.86 | 14.22 | 14.88 | 15.64 | | | | |
| Manufactured prods., apparel, furnishings... do | 381.56 | 402.56 | 29.81 | 36.97 | 35.47 | 39.40 | 33.75 | 31.23 | 33.75 | 36.02 | 34.54 | 33.14 | 32.66 | | | | |
| Imports, manmade fiber equivalent... do | 1,805.44 | 1,735.70 | 135.01 | 125.49 | 123.22 | 148.77 | 171.32 | 169.91 | 174.97 | 146.03 | 144.23 | 132.03 | 123.37 | | | | |
| Yarn, tops, thread, cloth... do | 280.00 | 253.18 | 18.86 | 21.23 | 22.11 | 23.40 | 24.73 | 23.00 | 22.66 | 18.73 | 22.20 | 20.44 | 18.60 | | | | |
| Cloth, woven... do | 182.52 | 179.23 | 12.49 | 14.93 | 15.87 | 16.54 | 17.95 | 15.98 | 16.43 | 12.64 | 15.66 | 13.64 | 12.47 | | | | |
| Manufactured products, apparel, furnishings... do | 1,525.44 | 1,477.52 | 116.15 | 104.25 | 101.11 | 125.36 | 146.58 | 146.90 | 151.71 | 127.30 | 122.03 | 111.59 | 104.77 | | | | |
| Apparel, total... do | 1,033.22 | 991.03 | 76.04 | 64.60 | 63.34 | 83.24 | 103.25 | 104.81 | 106.93 | 87.26 | 81.86 | 71.62 | 65.71 | | | | |
| Knit apparel... do | 485.36 | 443.03 | 26.86 | 23.63 | 25.71 | 38.50 | 50.58 | 52.37 | 53.64 | 43.30 | 40.44 | 32.72 | 26.73 | | | | |
| WOOL AND MANUFACTURES | | | | | | | | | | | | | | | | | |
| Wool consumption, mill (clean basis) | | | | | | | | | | | | | | | | | |
| Apparel class... mil lb | 129.7 | 128.3 | 10.1 | *13.5 | 10.1 | 9.6 | *13.6 | 9.8 | 9.7 | *10.6 | 10.0 | 9.1 | *12.1 | 10.2 | | | |
| Carpet class... do | 13.1 | 15.8 | 1.4 | *1.8 | 1.3 | 1.3 | *1.2 | 1.1 | 1.7 | *1.7 | 1.0 | 1.0 | *1.0 | 8.1 | | | |
| Wool imports, clean yield... do | 105.1 | 96.7 | 12.7 | 8.8 | 9.1 | 8.6 | 7.4 | 7.7 | 5.0 | 3.3 | 6.7 | 8.6 | 6.7 | | | | |
| Duty-free... do | 31.1 | 24.4 | 1.9 | 2.1 | 1.7 | 1.9 | 2.4 | 2.3 | 1.9 | 1.9 | 2.2 | 2.0 | 1.3 | | | | |
| Wool prices, raw, shorn, clean basis, delivered to U S mills | | | | | | | | | | | | | | | | | |
| Domestic—Graded territory, 64's, staple 2 3/4" and up dollars per lb. | 2.65 | 4.38 | 3.97 | 4.35 | 4.53 | 4.63 | 4.60 | 4.50 | 4.50 | 4.50 | 4.63 | 4.75 | 4.50 | 4.50 | 4.38 | 4.10 | |
| Australian, 64's, Type 62, duty-paid... do | 3.24 | 4.87 | 4.68 | 4.96 | 5.64 | 5.64 | 5.13 | 4.89 | 4.67 | 4.61 | 4.88 | 4.72 | 4.75 | 5.11 | 4.84 | 4.64 | |
| Wool broadwoven goods, exc felts | | | | | | | | | | | | | | | | | |
| Production (qtrly)... mil sq yd | 168.9 | | | 50.6 | | | 53.0 | | | | | | | | | | |
| FLOOR COVERINGS | | | | | | | | | | | | | | | | | |
| Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly # mil sq yds | 1,263.2 | 1,273.3 | | 300.9 | | | 339.0 | | | 329.1 | | | 304.3 | | | | |
| APPAREL | | | | | | | | | | | | | | | | | |
| Women's, misses', juniors' apparel cuttings † | | | | | | | | | | | | | | | | | |
| Coats... thous units | 23,982 | | | 3,721 | | | 5,188 | | | 5,251 | | | | | | | |
| Dresses... do | 174,982 | | | 45,272 | | | 42,582 | | | 34,502 | | | | | | | |
| Suits (incl pant suits, jumpsuits) do | 7,458 | | | 1,919 | | | 2,488 | | | 2,489 | | | | | | | |
| Skirts... do | 111,162 | | | 27,416 | | | 26,064 | | | 22,716 | | | | | | | |
| Slacks, jeans, dungarees, and jean-cut casual slacks do | 294,791 | | | 64,099 | | | 71,065 | | | 72,509 | | | | | | | |
| Blouses... thous dozen | 30,595 | | | 9,025 | | | 9,010 | | | 8,630 | | | | | | | |

See footnotes at end of tables

| Units | Annual | | 1988 | | | | | | | | | | | | 1989 | | |
|---|-----------------|-----------|----------|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--|
| | 1987 | 1988 | 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 | 12,187 | | 3,210 | | | | 3,182 | | | 3,476 | | | | | | |
| Coats (separate), dress and sport | do | 18,236 | | 4,627 | | | | 4,144 | | | 4,411 | | | | | | |
| Trousers, slacks, jeans, pants, etc | do | 480,350 | | 109,575 | | | | 114,658 | | | 109,232 | | | | | | |
| Shirts, dress and sport | thous doz | 86,649 | | 21,323 | | | | 22,927 | | | 19,497 | | | | | | |
| Hosiery, shipments | thous doz pairs | 308,982 | 322,124 | 25,729 | 26,184 | 24,718 | 24,886 | 27,084 | 29,404 | 27,557 | 27,006 | 32,943 | 27,475 | 25,120 | | | |
| TRANSPORTATION EQUIPMENT | | | | | | | | | | | | | | | | | |
| AEROSPACE VEHICLES | | | | | | | | | | | | | | | | | |
| Orders, new (net), qtrly, total | mil \$ | \$119,098 | | | | | | | | | | | | | | | |
| U.S. Government | do | \$64,892 | | | | | | | | | | | | | | | |
| Prime contract | do | \$115,298 | | | | | | | | | | | | | | | |
| Sales (net), receipts, or billings, quarterly, total | do | \$109,053 | | | | | | | | | | | | | | | |
| U.S. Government | do | \$67,680 | | | | | | | | | | | | | | | |
| Backlog of orders, end of period # | do | \$157,250 | | | | | | | | | | | | | | | |
| U.S. Government | do | \$91,436 | | | | | | | | | | | | | | | |
| Aircraft (complete) and parts | do | \$64,494 | | | | | | | | | | | | | | | |
| Engines (aircraft) and parts | do | \$15,521 | | | | | | | | | | | | | | | |
| Missiles, space vehicle systems, engines, propulsion units, and parts | mil \$ | \$30,259 | | | | | | | | | | | | | | | |
| Other related operations (conversions, modifications), products, services | mil \$ | \$16,527 | | | | | | | | | | | | | | | |
| Aircraft (complete) | | | | | | | | | | | | | | | | | |
| Shipments | do | 12,295 0 | 15,127 2 | 1,235 3 | 1,447 5 | 1,363 1 | 1,573 1 | 1,360 2 | 1,126 5 | 976 3 | 1,244 5 | 1,468 8 | 1,188 5 | 1,406 0 | 774 1 | 1,016 2 | |
| Exports, commercial | do | 7,380 | 9,971 | 744 | 1,056 | 1,003 | 1,063 | 956 | 725 | 811 | 517 | 949 | 814 | 829 | *620 | 810 | |
| MOTOR VEHICLES (NEW) | | | | | | | | | | | | | | | | | |
| Passenger cars | | | | | | | | | | | | | | | | | |
| Factory sales (from U.S. plants) | | | | | | | | | | | | | | | | | |
| Total | thous | \$7,085 | 7,105 | 563 | 665 | 613 | 690 | 726 | 386 | 484 | 618 | 655 | 648 | 584 | 616 | 606 | |
| Domestic | do | \$6,487 | 6,437 | 504 | 592 | 552 | 626 | 668 | 347 | 442 | 556 | 589 | 591 | 533 | 570 | 545 | |
| Retail sales, total, not seas adj | do | 10,278 | 10,639 | 888 | 1,006 | 901 | 974 | 1,010 | 863 | 886 | 830 | 838 | 796 | 882 | 721 | 754 | |
| Domestics \$ | do | 7,081 | 7,539 | 649 | 734 | 652 | 702 | 722 | 605 | 603 | 579 | 592 | 554 | 617 | 512 | 554 | |
| Imports \$ | do | 3,197 | 3,099 | 238 | 272 | 250 | 272 | 287 | 258 | 283 | 251 | 246 | 243 | 265 | 209 | *246 | |
| Total, seas adj at annual rate | mil | 11.1 | 10.6 | 10.5 | 10.4 | 10.5 | 10.4 | *11.0 | 10.7 | 10.6 | 9.8 | 10.2 | 11.5 | 9.8 | 9.9 | *9.5 | |
| Domestics \$ | do | 7.9 | 7.5 | 7.2 | 7.3 | 7.3 | 7.3 | *7.8 | 7.8 | 7.4 | 7.6 | 6.8 | 7.2 | 8.4 | 7.0 | 7.1 | |
| Imports \$ | do | 3.2 | 3.1 | 3.3 | 3.0 | 3.0 | 3.0 | *3.1 | 3.0 | 3.2 | 3.1 | 3.0 | 2.9 | 3.1 | 2.7 | 2.8 | |
| Retail inventories, domestics, end of period | \$ | 1,680 | 1,602 | 1,608 | 1,572 | 1,571 | 1,595 | 1,663 | 1,431 | 1,326 | 1,409 | 1,506 | 1,632 | 1,602 | 1,738 | *1,810 | |
| Not seasonally adjusted | thous | 1,702 | 1,612 | 1,518 | 1,485 | 1,503 | 1,563 | *1,588 | 1,440 | 1,457 | 1,516 | 1,609 | 1,631 | 1,612 | *1,671 | *1,670 | |
| Seasonally adjusted | do | 2.9 | 2.6 | 2.3 | 2.4 | 2.5 | 2.6 | *2.4 | 2.2 | 2.4 | 2.4 | 2.9 | 2.7 | 2.3 | *2.8 | 3.0 | |
| Inventory-retail sales ratio, domestics \$ | do | 2.9 | 2.6 | 2.3 | 2.4 | 2.5 | 2.6 | *2.4 | 2.2 | 2.4 | 2.4 | 2.9 | 2.7 | 2.3 | *2.8 | 3.0 | |
| Exports (BuCensus), total | do | 627 65 | 765 12 | 68 14 | 83 71 | 68 78 | 74 91 | 67 33 | 43 93 | 46 11 | 76 56 | 65 11 | 68 50 | 58 24 | *55 68 | 71 74 | |
| To Canada | do | 561 88 | 616 18 | 60 17 | 70 40 | 57 38 | 64 12 | 52 51 | 32 61 | 39 44 | 65 92 | 50 11 | 48 98 | 40 61 | *40 14 | 55 02 | |
| Imports (ITC), complete units | do | 4,589 0 | 4,450 2 | 369 2 | 355 2 | 394 7 | 378 9 | 357 9 | 304 7 | 336 0 | 348 8 | 400 1 | 409 2 | 415 7 | *324 8 | ... | |
| From Canada, total | do | 926 9 | 1,191 4 | 107 3 | 114 0 | 117 8 | 114 9 | 121 3 | 58 9 | 74 2 | 100 5 | 101 5 | 101 0 | 88 9 | *86 0 | ... | |
| Registrations \diamond , total new vehicles | do | *10,166 | *10,480 | *824 | 919 | 852 | 874 | 981 | 883 | 901 | 937 | 807 | 764 | *896 | 733 | 722 | |
| Imports, including domestically sponsored | do | *3,654 | *3,710 | *289 | 306 | 284 | 290 | 333 | 303 | 329 | 360 | 297 | 278 | *317 | 258 | 252 | |
| Trucks and buses | | | | | | | | | | | | | | | | | |
| Factory sales (from U.S. plants) | | | | | | | | | | | | | | | | | |
| Total | do | \$3,821 | 4,121 | 344 | 402 | 340 | 366 | 872 | 240 | 337 | 349 | 375 | 351 | 327 | 365 | 373 | |
| Domestic | do | \$3,509 | 3,795 | 318 | 364 | 311 | 333 | 343 | 223 | 318 | 324 | 340 | 323 | 303 | 338 | 343 | |
| Retail sales, domestics | | | | | | | | | | | | | | | | | |
| Total, not seasonally adjusted | do | 4,088 4 | 4,544 5 | 374 8 | 439 7 | 382 4 | 426 0 | 426 9 | 385 5 | 371 1 | 346 4 | 371 0 | 355 0 | 359 2 | 326 8 | 337 7 | |
| 0-10,000 lbs GVW | do | 3,786 1 | 4,195 1 | 348 1 | 407 4 | 350 2 | 395 8 | 395 8 | 356 5 | 343 7 | 317 3 | 339 7 | 328 0 | 329 0 | 300 1 | 313 1 | |
| 10,001 lbs GVW and over | do | 302 3 | 348 7 | 26 7 | 32 3 | 32 1 | 30 2 | 31 1 | 29 1 | 27 4 | 29 0 | 31 4 | 27 0 | 30 1 | 26 7 | 24 6 | |
| Total, seasonally adjusted | do | 384 6 | 374 5 | 377 2 | 386 4 | 365 3 | 365 3 | 396 5 | 381 7 | 361 3 | 386 1 | 373 6 | 361 2 | 376 1 | 368 0 | 346 2 | |
| 0-10,000 lbs GVW | do | 358 8 | 344 6 | 348 2 | 357 0 | 337 5 | 337 5 | 367 9 | 354 7 | 333 3 | 355 6 | 341 8 | 332 7 | 344 6 | 338 2 | 319 3 | |
| 10,001 lbs GVW and over | do | 30 9 | 29 9 | 29 0 | 29 4 | 27 8 | 28 6 | 27 0 | 28 0 | 28 0 | 30 5 | 31 7 | 28 6 | 31 4 | 29 8 | 26 9 | |
| Retail inventories, domestics, end of period | \$ | 967.9 | 999.3 | *1,034.8 | 1,022.7 | 1,020.4 | 992.9 | 987.6 | 851.6 | 854.6 | 838.4 | 945.0 | 998.3 | 999.3 | 1,093.7 | 1,170.5 | |
| Not seasonally adjusted | thous | 1,015.4 | 1,041.6 | *982.2 | 966.7 | 960.4 | 941.6 | 949.6 | 924.1 | 924.7 | 895.2 | 972.3 | 1,003.5 | 1,041.6 | 1,072.5 | 1,109.9 | |
| Seasonally adjusted | do | 229.27 | 246.92 | 22.57 | 28.01 | 23.32 | 24.18 | 22.14 | 14.37 | 17.20 | 21.53 | 21.80 | 15.23 | 17.91 | *19.23 | 21.60 | |
| Exports (BuCensus) | do | 1,378 19 | 1,155 66 | 94.04 | 120 94 | 109 40 | 90 81 | 102 25 | 78 99 | 75 16 | 72 90 | 109 83 | 97 20 | *107 89 | *103 34 | 101 92 | |
| Imports (BuCensus), including separate chassis and bodies | do | 1,378 19 | 1,155 66 | 94.04 | 120 94 | 109 40 | 90 81 | 102 25 | 78 99 | 75 16 | 72 90 | 109 83 | 97 20 | *107 89 | *103 34 | 101 92 | |
| Registrations \diamond , new vehicles, excluding buses not produced on truck chassis | thous | *4,964 | *5,211 | *385 | 443 | 432 | 432 | 487 | 442 | 444 | 470 | 410 | 398 | *445 | 371 | 374 | |
| Truck trailers and chassis, complete (excludes detachables), shipments | number | 180,142 | 176,158 | 14,601 | 16,111 | 13,779 | 14,619 | 15,980 | 12,694 | 15,347 | 15,845 | 15,580 | 14,500 | 14,441 | *14,141 | 14,100 | |
| Van type | do | 135,380 | 127,534 | 10,791 | 11,325 | 9,553 | 10,226 | 11,622 | 8,714 | 11,412 | 11,990 | 11,494 | 10,888 | 10,573 | *10,137 | 10,519 | |
| Trailer bodies (detachable), sold separately | do | 438 | 4,931 | 39 | 76 | 114 | 462 | 619 | 673 | 670 | 922 | 310 | 483 | 526 | (1) | (1) | |
| Trailer chassis (detachable), sold separately | do | 23,014 | 32,086 | 2,497 | 2,356 | 2,785 | 2,163 | 2,620 | 2,668 | 3,478 | 3,599 | 3,209 | 3,001 | 1,999 | *1,789 | *1,730 | |
| RAILROAD EQUIPMENT | | | | | | | | | | | | | | | | | |
| Freight cars (new), for domestic use, all railroads and private car lines (excludes rebuilt cars and cars for export) | | | | | | | | | | | | | | | | | |
| Shipments | number | 13,645 | 22,524 | | 4,457 | | | 4,598 | | | 5,605 | | | 7,864 | | | |
| Equipment manufacturers | do | 13,645 | 22,524 | | 4,457 | | | 4,598 | | | 5,605 | | | 7,864 | | | |
| New orders | do | 18,504 | 28,871 | | 7,209 | | | 9,131 | | | 4,487 | | | 8,044 | | | |
| Equipment manufacturers | do | 18,504 | 28,871 | | 7,209 | | | 9,131 | | | 4,487 | | | 8,044 | | | |
| Unfilled orders, end of period | do | 6,736 | 15,953 | | 12,692 | | | 17,225 | | | 16,107 | | | 15,953 | | | |
| Equipment manufacturers | do | 6,736 | 15,953 | | 12,692 | | | 17,225 | | | 16,107 | | | 15,953 | | | |
| Freight cars (revenue), class I railroads(AAR) | thous | 749 | 725 | 742 | 743 | 740 | 738 | 735 | 733 | 728 | 726 | 724 | 724 | 725 | 723 | 721 | |
| Number owned, end of period | do | 749 | 725 | 742 | 743 | 740 | 738 | 735 | 733 | 728 | 726 | 724 | 724 | 725 | 723 | 721 | |
| Capacity (carrying), total, end of month | mil tons | 63 63 | 62 46 | 63 52 | 63 38 | 63 21 | 63 10 | 62 87 | 62 71 | 62 36 | 62 24 | 62 15 | 62 27 | 62 46 | 62 34 | 62 19 | |
| Average per car | tons | 85 01 | 86 17 | 85 58 | 85 29 | 85 39 | 85 48 | 85 55 | 85 60 | 85 69 | 85 78 | 85 88 | 86 05 | 86 17 | 86 16 | 86 24 | |

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

Page S-1

- † Revised series See Tables 2.6 - 2.9 in the July 1988 SURVEY for revised estimates for 1985-87
- ‡ Includes inventory valuation and capital consumption adjustments
- § Monthly estimates equal the centered three-month average of personal saving as a percentage of the centered three-month moving average of disposable personal income
- ◇ See note "◇" for p. S-2

Page S-2

- 1 Based on data not seasonally adjusted
- ◇ Effective Oct 1987 SURVEY, the industrial production index has been revised back to Jan 1985 These revisions are available upon request
- # Includes data not shown separately
- ‡ Effective Sept 1988 SURVEY, data have been revised back to January 1982 Revised data appear in the report "Manufacturing and Trade Inventories and Sales" CB-88-146, available from the Bureau of the Census, Washington, DC 20233
- § Revised series Data have been revised back to 1985. Revisions are available upon request

Page S-3

- # Includes data for items not shown separately
- † Revised series Data have been revised back to 1982. A detailed description of the changes appear in the report "Manufacturers' Shipments, Inventories, and Orders 1982-88" M3-1(88), available from the Bureau of the Census, Washington, DC 20233
- ‡ See note "‡" for p S-2
- § See note "§" for p S-2

Page S-4

- 1 Based on data not seasonally adjusted
- # Includes data for items not shown separately
- ‡ Includes textile mill products, leather and products, paper and allied products, and printing and publishing industries, unfilled orders for other nondurable goods industries are zero
- ◇ For these industries (food and kindred products, tobacco, apparel and other textile products, petroleum and coal, chemicals and allied products, and rubber and plastics products) sales are considered equal to new orders
- † See note "†" for p S-3

Page S-5

- @ Compiled by Dun & Bradstreet, Inc
- # Includes data for items not shown separately
- § Ratio of prices received to prices paid (parity index)
- ‡ See note "‡" for p S-4.
- † Effective with the Feb 1988 SURVEY, data (back to 1984, for some commodities) have been revised Effective with July 1988 SURVEY, data (back to 1982, for some commodities) have been revised Effective with the Feb. 1989 SURVEY, data (back to 1985, for some commodities) have been revised These revisions are available upon request
- ◇ See note "◇" for p S-6
- †† See note "††" for p. S-3

Page S-6

- § Effective with the release of the January 1988 index, all producer price indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982=100 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
- ‡ Effective with the Feb 1989 SURVEY, data have been revised back to 1984 and are available upon request

Page S-7

- 1 Computed from cumulative valuation total
- 2 Index as of Apr 1, 1989 building, 387.7, construction, 425.5
- # Includes data for items not shown separately

Address requests for data to:

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

- § Data for Mar, June, Sept., and Dec 1988 are for five weeks, other months four weeks
- ◇ Effective Feb 1989 SURVEY, data for seasonally adjusted housing starts have been revised back to 1986 Effective Feb 1988 SURVEY, data for seasonally adjusted housing starts have been revised back to 1985 These revisions are available upon request
- † Effective May 1988 SURVEY, data for seasonally adjusted building permits have been revised back to Jan 1986 These revisions are available upon request
- @ Effective July 1988 SURVEY, data have been revised back to Jan 1985 In addition to the normal revisions to the unadjusted and seasonally adjusted data, the "Improvements" component of private residential buildings has been revised back to 1982 to adjust for a change in estimation of the monthly data Revised data are available from the Construction Statistics Division at the Bureau of the Census, Washington, DC 20233
- ‡ Effective July 1988 SURVEY, data have been revised back to 1985 and 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 1989 SURVEY, wholesale trade data have been revised back to Jan 1983 Revised data and a summary of changes appear in the report *Revised Monthly Wholesale Trade Sales and Inventories BW-13-88S*, available from the Bureau of the Census, Washington, DC 20233
- ‡ Effective April 1989 SURVEY, retail trade data have been revised Estimates of retail sales and inventories have been revised back to January 1983 A revision in 1988 revised some series back to 1978. Revised data and a summary of changes appear in the report *Revised Monthly Retail Sales and Inventories BR-88R*, available from the Bureau of the Census, Washington, DC 20233
- †† Beginning with data for 1988, data will be reported on a quarterly basis only

Page S-9

- 1 Advance estimate
- # Includes data for items not shown separately
- ◇ Effective with the January 1989 SURVEY, the seasonally adjusted labor force series have been revised back to January 1984 The January 1989 issue of *Employment and Earnings* contains the new seasonal adjustment factors, a description of the current methodology, and revised data for the most recent 13 months or calendar quarters Revised monthly data for the entire 1984-88 revision period are in the February 1989 issue of *Employment and Earnings*
- † The participation rate is the percent of the civilian noninstitutional population in the civilian labor force The employment-population ratio is civilian employment as a percent of the civilian noninstitutional population, 16 years and over
- @ Data include resident armed forces
- ‡ See note "‡" for p S-8

Page S-10

- ◇ See note "◇" for p S-9
- § Effective June 1988 SURVEY, data have been revised back to April 1986 (not seasonally adjusted) and January 1983 (seasonally adjusted) to reflect new benchmarks and seasonal adjustment factors The June 1988 issue of *Employment and Earnings* contains 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
- 2 The hourly earnings index has been discontinued
- § See note "§" for p S-10
- ◇ Production and nonsupervisory workers
- ‡ Earnings in 1977 dollars reflect changes in purchasing power since 1977 by dividing by Consumer Price Index Effective Feb. 1988 SURVEY, this series has been revised back to 1983 to reflect new seasonal factors for the CPI-W Revised data are available upon request
- §§ Wages as of Apr. 1, 1989 Common, \$17.64, Skilled, \$23.05
- † Excludes farm, household, and Federal workers
- †† See note "††" for p S-11

Page S-13

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

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

3 Average for Dec

4 Pursuant to the 1987 Agricultural Credit Act, the FICBs merged with the FLBs on July 6, 1988. Third quarter loans for the combined FLBs, FLBAs, FICBs, and PCAs are \$42,849 million.

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

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

‡ Effective Jan 1988, series revised due to changes in the panel of reporting banks. The new reporting panel of 168 banks accounts for about 52 percent of total assets in U.S. offices of domestically-chartered banks. Back data have been estimated for the years 1984-87.

Includes data for items not shown separately.

‡‡ "Transaction balances other than demand deposits" consists of ATS, NOW, super NOW, and telephone transfer accounts.

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

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

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

** Effective 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 Apr 1989 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 Sept 1988 SURVEY, the outlays by month for fiscal year (FY) 1987 have been increased by a net of \$582 million to reflect reclassification of the Thrift Savings Fund receipts of \$736 million and Federal Retirement Thrift Investment Board (FRTIB) administrative expenses of \$154 million to a non-budgetary status. The FRTIB outlays by month for 1988 have been adjusted by a net of \$1,084 million. Data for fiscal years 1987 and 1988 previously reported by Treasury for Federal Savings and Loan Insurance Corporation (FSLIC) and FRTIB have been reclassified in consultation with the Office of Management and Budget resulting in revised totals back to April 1987. Effective Apr 1988 SURVEY, a total adjustment of \$920 million for FY 1987 and \$1,565 million thru Feb 1988 has been distributed by month for notes issued by the 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

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

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

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

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

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

Includes data for items not shown separately.

§ Effective Apr 1988 SURVEY, 1987 data have been revised. Revisions for Jan 1987: long-term, 7,486, short-term, 372.

Page S-16

@ Effective with the June 1988 SURVEY, total exports and imports have been revised back to Jan 1986. These revisions are available upon request. Data may not equal the sum of the geographic regions, or commodity groups and principal commodities, because the revisions to the totals are not reflected in the component items.

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

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

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

Includes data for items not shown separately.

Page S-17

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

† See note "†" for p S-16.

Includes data not shown separately.

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

Page S-18

1 Annual total, quarterly or monthly revisions are not available.

2 For month shown.

Includes data for items not shown separately.

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

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

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

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

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

† Before extraordinary and prior period items.

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

Page S-19

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

2 Less than 500 metric tons.

3 Figure is being suppressed because of not meeting Bureau of Census' publication standards.

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

Includes data for items not shown separately.

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

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

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

Page S-20

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

2 Quarterly data are no longer available.

3 See note 4 for p S-19.

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

◇ Effective with the Jan 1989 SURVEY, data for 1986 and 1987 have been revised and are available upon request.

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

† Effective with the May 1988 SURVEY, data have been revised back to 1985 and are available upon request.

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

Page S-21

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

2 Crop estimate for the year.

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 Beginning with Sept 1, 1988 data, quarterly stock estimates have been reinstated.

6 Stock estimates are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column.

7 Stocks as of Dec 1.

8 See note "\$" for p S-6 regarding a change to a new reference base in 1988.

9 Prices are no longer available.

10 Based on quotations for fewer than 12 months.

11 See note 4 for p S-19.

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

Page S-23

- 1 Crop estimate for the year
- 2 Reported annual total; revisions not distributed to the months
- 3 Data suppressed because they did not meet 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.
- 5 See note 4 for p S-19
- # Totals include data for items not shown separately
- ◇ Effective Oct 1988 SURVEY, the footwear production series have been revised for 1986 and 1987. These revisions are available upon request

Page S-24

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

Page S-25

- 1 Reported annual data; monthly revisions are not available.
- 2 For month shown
- @ Beginning 1987, 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
- ◇ 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
- * New series from The Material Handling Institute, Inc and Cahners Economics. Includes bookings (new orders) for automatic guided vehicles, automated storage and retrieval systems, below hook lifters, cranes, hoists, monorails, racks, shelving, casters and floor trucks, and conveyors. Annual and quarterly historical data back to 1972 are available upon request
- @@ Beginning Oct 1986, the Lead price represents North American Mean

Page S-27

- 1 See note "\$" for p S-6 regarding a change to a new reference base in 1988.
- 2 Beginning January 1986, data have been restated because a new methodology has been adopted. Annual total for 1987 contains revisions not allocated to the months.
- 3 Annual total includes revisions not distributed to the months
- 4 See note 4 for p S-19
- # Includes data for items not shown separately
- § Includes nonmarketable catalyst coke. See also note "††" for this page
- ◇ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately
- † Effective with the Oct 1987 SURVEY, coal production data for 1986 have been revised. Effective with the May 1988 SURVEY, coal consumption and stocks back through 1986 have been revised. Effective with the Oct 1988 SURVEY, coal production data for 1987 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."
- †† Effective with the June 1988 SURVEY, data for 1987 have been revised and are available upon request
- ‡‡ March, June, September and December are five-week months. All others consist of four weeks

Page S-28

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

Page S-29

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

Page S-30

- 1 Reported annual total, revisions not allocated to the months
- 2 Data are being withheld to avoid disclosing data from individual firms
- 3 Data cover five weeks; other months, four weeks
- # Includes data for items not shown separately
- ◇ Cumulative ginnings to the end of month indicated
- § Bales of 480 lbs
- † Data for 1987 have been revised and are available upon request

Page S-31

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

Page S-32

- 1 Annual total includes revisions not distributed to the months
- 2 Production of new vehicles (thous. of units) for Mar 1989 passenger cars, 653, trucks and buses, 390
- 3 Data are reported on an annual basis only
- 4 See note 4 for p S-19
- 5 Beginning with January 1987, data include Honda, Nissan, and Toyota passenger cars produced in U.S. plants
- 6 Beginning with January 1987, data include Nissan trucks produced in U.S. plants
- 7 Beginning with 1st qtr. 1987, jeans, jean-cut casual and dungarees are included with trousers
- 8 See note "††" for this page.
- 9 Effective with July 1988 SURVEY, data have been revised back to 1985 and are available upon request.
- 10 Data for jumpers are included with dresses to avoid disclosing information for individual companies
- 11 Shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
- # Total includes backlog for nonrelated products and services and basic research
- § Domestic comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all other cars
- ◇ Courtesy of R.L. Polk & Co., republication prohibited. Because data for some states are not available, month-to-month comparisons are not strictly valid
- ‡ Excludes railroad-owned private refrigerator cars and private line cars
- † Effective with the Mar. 1988 SURVEY, retail inventories for trucks and buses have been restated to exclude captive imports (vehicles manufactured overseas by U.S. affiliates). These data are available back through 1966
- ‡‡ See note "†" for page S-31.

Index to Current Business Statistics

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

BEA Information

Available From GPO

SURVEY OF CURRENT BUSINESS. Contains estimates and analyses of U.S. economic activity. Features include a review of current economic developments; articles pertaining to BEA's work on the national, regional, and international economic accounts and related topics; quarterly national income and product accounts tables; and 36 pages of tables that present over 1,900 major economic series obtained from other public and private sources. Monthly. \$6.50 single copy; \$18.00 per year.

Business Statistics: 1986. (1987) Provides monthly or quarterly data for 1983-86 and annual data for 1961-86 for series that appear in the SURVEY OF CURRENT BUSINESS. Also contains definitions of terms, sources of data, and methods of compilation. 325 pages. \$16.00 (GPO Stock No. 003-010-00181-0).

Business Conditions Digest. Contains tables and charts for 300 series, including business cycle indicators and other series that help evaluate business conditions. Features the composite indexes of leading, coincident, and lagging indicators. Also included are cyclical comparison charts and data sources. Monthly. \$4.00 single copy; \$44.00 per year.

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

BEA Methodology Paper No. 1: Introduction to National Economic Accounting. (1985) Introduces the concepts of the national income and product accounts by placing these accounts within the framework of national economic accounting. Shows how the national income and product accounts, capital finance accounts, and input-output accounts—the major branches of national economic accounting in the United States—are derived from the conventional accounting statements. 19 pages. \$1.25 (GPO Stock No. 003-010-00158-5).

BEA Methodology Paper No. 2: Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends. (1985) Describes the concepts, sources, and methods of the corporate profits components of the national income and product accounts. 61 pages \$2.50 (GPO Stock No. 003-010-00143-7).

BEA Methodology Paper No. 3: Foreign Transactions. (1987) Describes the preparation of estimates in the national income and product accounts (NIPA's) of net exports (both current- and constant-dollar), transfer payments to foreigners, capital grants received by the United States, interest paid by Government to foreigners, and net foreign investment. Also describes the relationship between foreign transactions estimates in the NIPA's and those in the balance of payments accounts. 52 pages. \$2.75 (GPO Stock No. 003-010-00178-0).

BEA Methodology Paper No. 4: GNP: An Overview of Source Data and Estimating Methods. (1987) Provides basic information about GNP, including the conceptual basis for the account that presents GNP, definitions of each of the components on the income and product side of that account, and a summary, presented in tabular form, of the source data and methods used in preparing estimates of current- and constant-dollar GNP. Also provides an annotated bibliography, with a directory, of the more than 50 items over the last decade that provided methodological information about GNP. 36 pages. \$2.00 (GPO Stock No. 003-010-00179-8).

BEA Methodology Paper No. 5: Government Transactions. (1988) Presents the conceptual basis and framework of government transactions in the national income and product accounts; describes the presentations of the estimates; and delineates the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. 112 pages. \$5.50 (GPO Stock No. 003-010-00187-9).

Index of Items Appearing in the National Income and Product Accounts Tables. (1987) Indexes general subject areas as well as detailed line items in the national income and product accounts tables. 18 pages. \$1.25 (GPO Stock No. 003-010-00180-1).

Fixed Reproducible Tangible Wealth in the United States, 1925-85. (1987) Contains annual estimates of the stock of privately owned and government-owned durable equipment and structures and of durable goods owned by consumers in the United States for 1925-85.

Estimates are for fixed nonresidential private capital by major industry group (farm, manufacturing, and nonfarm nonmanufacturing), for residential capital by tenure group (owner-occupied and tenant-occupied), for government-owned fixed capital by type of government (Federal and State and local), and for 11 types of durable goods owned by consumers. 400 pages. \$18.00 (GPO Stock No. 003-010-00177-1).

Local Area Personal Income, 1981-86. (1988) Contains estimates of personal income by major type of payment and earnings by major industry, population, and total and per capita personal income for regions, States, counties, and metropolitan areas.

Vol. 1. Summary: Regions, States, and Metropolitan Areas. Estimates for the United States, regions, States, and metropolitan areas. Also contains county definitions of metropolitan areas, a detailed description of sources and methods, and samples of tables available. 254 pages. \$13.00 (GPO Stock No. 003-010-00182-3).

Vol. 2. New England, Mideast, and Great Lakes Regions. (CT, DE, DC, IL, IN, ME, MD, MA, MI, NH, NJ, NY, OH, PA, RI, VT, WI) 276 pages. \$14.00 (GPO Stock No. 003-010-00183-6).

Vol. 3. Plains Region. (IA, KS, MN, MO, NE, ND, SD) 190 pages. \$11.00 (GPO Stock No. 003-010-00184-4).

Vol. 4. Southeast Region. (AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV) 326 pages. \$16.00 (GPO Stock No. 003-010-00185-2).

Vol. 5. Southwest, Rocky Mountain, and Far West Regions and Alaska and Hawaii. (AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, WY) 278 pages. \$14.00 (GPO Stock No. 003-010-00186-1).

Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II). (1986) Contains an explanation of how to use regional input-output multipliers, by industry, for output, earnings, and employment. 131 pages. \$6.50 (GPO Stock No. 003-010-00163-1).

TO ORDER: The GPO publications listed above must be ordered from: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Payment may be by check (made payable to Superintendent of Documents) or charged to a GPO deposit account number, VISA, or MasterCard. To order by phone: (202) 783-3238; by fax (202) 275-0019.

Available From BEA

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Preliminary 1986 Estimates. (1988) Contains information on the financial structure and operations of nonbank U.S. affiliates of foreign direct investors. Data are classified by industry of U.S. affiliate, by country and industry of ultimate beneficial owner, and, for selected data, by State. 56 pages. \$5.00 (Accession No. BEA-IID-88-102).

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Preliminary 1986 Estimates. (1988) Contains information on the financial structure and operations of both U.S. parent companies and their foreign affiliates. Data are classified by country and industry of foreign affiliate and by industry of U.S. parent. 76 pages. \$5.00 (Accession No. BEA-IID-88-104).

BEA Working Paper No. 6: Status Report on Statistical and Methodological Improvements in the U.S. Balance of Payments Statistics. (1988) Reviews major problems, such as timing and coverage, in the balance of payments accounts; describes statistical and methodological improvements BEA has undertaken to resolve some of the problems; and discusses projects for future improvements. 20 pages. \$5.00 (Accession No. BEA-OD-88-001).

TO ORDER: The BEA publications listed above must be ordered from: Economic and Statistical Analysis/BEA, U.S. Department of Commerce, Citizens and Southern National Bank, 222 Mitchell St., P.O. Box 100606, Atlanta, GA 30384. Orders must include a check, payable to Economic and Statistical Analysis/BEA. For further information, call (202) 523-0777.

BEA's economic information is available in publications, on computer tapes, on diskettes, and through a variety of other products and services. Most of these are described in *A User's Guide to BEA Information*. For a copy, send a self-addressed stamped envelope (8 1/2 by 11 inches, with 75 cents postage) to Public Information Office, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

UNITED STATES
 GOVERNMENT PRINTING OFFICE
 SUPERINTENDENT OF DOCUMENTS
 WASHINGTON, D C 20402

OFFICIAL BUSINESS

Penalty for Private Use, \$300

SECOND CLASS MAIL

POSTAGE AND FEES PAID
 U.S. GOVERNMENT PRINTING OFFICE

USPS Pub. No. 337-790

1989 RELEASE DATES FOR BEA ESTIMATES

| Subject | Release Date* | Subject | Release Date* |
|--|---------------|--|---------------|
| State Personal Income, 3d quarter 1988 | Jan. 24 | State Personal Income, 1st quarter 1989 | July 20 |
| Gross National Product, 4th quarter 1988 (advance) | Jan. 27 | Gross National Product, 2d quarter 1989 (advance) | July 27 |
| Personal Income and Outlays, December 1988 | Jan. 30 | Personal Income and Outlays, June 1989 | July 28 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, December 1988 | Feb. 1 | Composite Indexes of Leading, Coincident, and Lagging Indicators, June 1989 | Aug. 3 |
| Gross National Product, 4th quarter 1988 (preliminary) | Feb. 28 | State Per Capita Personal Income, 1988 (revised) | Aug. 23 |
| Merchandise Trade (balance of payments basis), 4th quarter 1988 | Feb. 28 | Merchandise Trade (balance of payments basis), 2d quarter 1989 | Aug. 28 |
| Personal Income and Outlays, January 1989 | Mar. 1 | Gross National Product, 2d quarter 1989 (preliminary) | Aug. 29 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, January 1989 | Mar. 3 | Corporate Profits, 2d quarter 1989 | Aug. 29 |
| Summary of International Transactions, 4th quarter 1988 | Mar. 14 | Personal Income and Outlays, July 1989 | Aug. 30 |
| Gross National Product, 4th quarter 1988 (final) | Mar. 23 | Composite Indexes of Leading, Coincident, and Lagging Indicators, July 1989 | Sept. 1 |
| Corporate Profits, 4th quarter 1988 | Mar. 23 | Summary of International Transactions, 2d quarter 1989 | Sept. 12 |
| Personal Income and Outlays, February 1989 | Mar. 24 | Gross National Product, 2d quarter 1989 (final) | Sept. 21 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, February 1989 | Mar. 29 | Corporate Profits, 2d quarter 1989 (revised) | Sept. 21 |
| State Personal Income, 4th quarter 1988 and Per Capita Personal Income, 1988 (preliminary) | Apr. 20 | Personal Income and Outlays, August 1989 | Sept. 22 |
| Gross National Product, 1st quarter 1989 (advance) | Apr. 26 | Composite Indexes of Leading, Coincident, and Lagging Indicators, August 1989 | Sept. 29 |
| Corporate Profits, 4th quarter 1988 (revised) | Apr. 26 | State Personal Income, 2d quarter 1989 | Oct. 19 |
| Personal Income and Outlays, March 1989 | Apr. 27 | Gross National Product, 3d quarter 1989 (advance) | Oct. 26 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, March 1989 | Apr. 28 | Personal Income and Outlays, September 1989 | Oct. 27 |
| Metropolitan Area Personal Income, 1987 | May 4 | Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1989 | Oct. 31 |
| Gross National Product, 1st quarter 1989 (preliminary) | May 25 | Merchandise Trade (balance of payments basis), 3d quarter 1989 | Nov. 28 |
| Corporate Profits, 1st quarter 1989 | May 25 | Gross National Product, 3d quarter 1989 (preliminary) | Nov. 29 |
| Merchandise Trade (balance of payments basis), 1st quarter 1989 | May 26 | Corporate Profits, 3d quarter 1989 | Nov. 29 |
| Personal Income and Outlays, April 1989 | May 26 | Personal Income and Outlays, October 1989 | Nov. 30 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, April 1989 | May 31 | Composite Indexes of Leading, Coincident, and Lagging Indicators, October 1989 | Dec. 1 |
| Summary of International Transactions, 1st quarter 1989 | June 13 | Summary of International Transactions, 3d quarter 1989 | Dec. 13 |
| Gross National Product, 1st quarter 1989 (final) | June 22 | Gross National Product, 3d quarter 1989 (final) | Dec. 20 |
| Corporate Profits, 1st quarter 1989 (revised) | June 22 | Corporate Profits, 3d quarter 1989 (revised) | Dec. 20 |
| Personal Income and Outlays, May 1989 | June 23 | Personal Income and Outlays, November 1989 | Dec. 21 |
| Composite Indexes of Leading, Coincident, and Lagging Indicators, May 1989 | June 28 | Composite Indexes of Leading, Coincident, and Lagging Indicators, November 1989 | Dec. 29 |

* These are target dates and are subject to revision.

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